

INDEX SHEET

Task No.	DATE	NAME OF THE TASK	PAGE NO.	MARKS	SIGNATURE OF THE FACULTY
1A		Write a HTML program, to explain the working of lists. Note: It should have an ordered list, unordered list, nested lists and ordered list in an unordered list and definition lists.			
1B		Write a HTML program, to explain the working of hyperlinks using <a> tag and href, target Attributes.			
1C		Create a HTML document that has your image and your friend's image with a specific height and width. Also when clicked on the images it should navigate to their respective profiles.			
1D		Write a HTML program, in such a way that, rather than placing large images on a page, the preferred technique is to use thumbnails by setting the height and width parameters to something like to 100*100 pixels. Each thumbnail image is also a link to a full sized version of the image. Create an image gallery using this technique			
2A		Write a HTML program, to explain the working of tables. (use tags: <table>,<tr>, <th>,<td> and attributes: border, rowspan, colspan)			
2B		Write a HTML program, to explain the working of tables by preparing a timetable. (Note: Use <caption> tag to set the caption to the table & also use cell spacing, cell padding, border, rowspan, colspan etc.).			
2C		Write a HTML program, to explain the working of forms by designing Registration form. (Note: Include text field, password field, number field, date of birth field, checkboxes, radio buttons, list boxes using <select>&<option> tags, <text area> and two buttons ie: submit and reset. Use tables to provide a better view).			
2D		Write a HTML program, to explain the working of frames, such that page is to be divided into 3 parts on either direction. (Note: first frame image, second frame paragraph, third frame hyperlink. And also make sure of using "no frame" attributes such that frames to be fixed).			
3A		Write a HTML program, that makes use of <article>, <aside>, <figure>, <figcaption>,<footer>, <header>, <main>, <nav>, <section>, <div>, tags.			
3B		Write a HTML program, to embed audio and video into HTML web page.			

3C		Write a program to apply different types (or levels of styles or style specification formats) - inline, internal, external styles to HTML elements.			
4		Write a program to apply different types of selector forms <ul style="list-style-type: none"> • Simple selector (element, id, class, group, universal) • Combinator selector (descendant, child, adjacent sibling, general sibling) • Pseudo-class selector • Pseudo-element selector • Attribute selector 			
5A		Write a program to demonstrate the various ways you can reference a colour in CSS.			
5B		Write a CSS rule that places a background image halfway down the page, tilting it horizontally. The image should remain in place when the user scrolls up or down.			
5C		Write a program using the following terms related to CSS font and text: i) font-size ii) font-weight iii) font-style iv) text-decoration v) text-transformation iv)text-alignment			
5D		Write a program, to explain the importance of CSS Box model using i) Content ii) Border iii) Margin iv) Padding			
6A		Write a program to embed internal and external JavaScript in a web page.			
6B		Write a program to explain the different ways for displaying output.			
6C		Write a program to explain the different ways for taking input.			
6D		Create a webpage which uses prompt dialogue box to ask a voter for his name and age. Display the information in table format along with either the voter can vote or not			
7A		Write a program using document object properties and methods.			
7B		Write a program using window object properties and methods.			
7C		Write a program using array object properties and methods.			
7D		Write a program using math object properties and methods.			
7E		Write a program using string object properties and methods.			
7F		Write a program using regex object properties and methods.			
7G		Write a program using date object properties and methods.			

7H		Write a program to explain user-defined object by using properties, methods, accessors, constructors and display.			
8A		Write a program which asks the user to enter three integers, obtains the numbers from the user and outputs HTML text that displays the larger number followed by the words "LARGER NUMBER" in an information message dialog. If the numbers are equal, output HTML text as "EQUAL NUMBERS".			
8B		Write a program to display week days using switch case.			
8C		Write a program to print 1 to 10 numbers using for, while and do-while loops.			
8D		Write a program to print data in object using for-in, for-each and for-of loops			
8E		Develop a program to determine whether a given number is an 'ARMSTRONG NUMBER' or not. *Eg: 153 is an Armstrong number, since sum of the cube of the digits is equal to the number i.e., $1^3 + 5^3 + 3^3 = 153$]			
8F		Write a program to display the denomination of the amount deposited in the bank in terms of 100's, 50's, 20's, 10's, 5's, 2's & 1's. (Eg: If deposited amount is Rs.163, the output should be 1-100's, 1-50's, 1- 10's, 1-2's & 1-1's)			
9A		Design a appropriate function should be called to display <ul style="list-style-type: none"> • Factorial of that number • Fibonacci series up to that number • Prime numbers up to that number • Is it palindrome or not 			
9B		Design a HTML having a text box and four buttons named Factorial, Fibonacci, Prime, and Palindrome. When a button is pressed an appropriate function should be called to display <ul style="list-style-type: none"> • Factorial of that number • Fibonacci series up to that number • Prime numbers up to that number • Is it palindrome or not 			
9C		Write a program to validate the following fields in a registration page <ul style="list-style-type: none"> • Name (start with alphabet and followed by alphanumeric and the length should not be less than 6 characters) • Mobile (only numbers and length 10 digits) • E-mail (should contain format like xxxxxxxx@xxxxxx.xxx) 			
TOTAL AVERAGE					

SIGNATURE OF THE FACULTY

ATTAINMENT SHEET

TASK NO.	NAME OF THE TASK	KNOWLEDGE GAINED	ANALYSIS, DESIGN/TECHNIQUES	ABILITY TO DO EXPERIMENT AND FOLLOWING OF ETHICAL	RESULT & CONCLUSION	VIVA VOCE (COMMUNICATION, LIFE LONG LEARNING)	TOTAL	SIGNATURE OF THE FACULTY
		3M	3M	3M	3M	3M	15M	
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AVERAGE OF THE TOTAL								

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AVERAGE OF THE TOTAL										

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**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT
STUDIES, CHITTOOR-517127, A.P.**

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**(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Task No:1A

Date:

Aim:

Description:



Program:

```
<html>
<head>
  <title>List</title>
</head>
<body>
  <h1 style="text-align: center;">ordered list</h1>
  <h2>list of domains with 1,2,3...</h2>
  <ol type="1">
    <li>AI</li>
    <li>ML</li>
    <li>DL</li>
    <li>FSD</li>
    <li>UNIX</li>
  </ol>
  <h2>list of domains with I,II,III...</h2>
  <ol type="I">
    <li>AI</li>
    <li>ML</li>
    <li>DL</li>
    <li>FSD</li>
    <li>UNIX</li>
  </ol>
  <h2>list of domains with i,ii,iii...</h2>
  <ol type="i">
    <li>AI</li>
    <li>ML</li>
    <li>DL</li>
    <li>FSD</li>
    <li>UNIX</li>
  </ol>
  <h2>list of domains with a,b,c...</h2>
  <ol type="a">
    <li>AI</li>
    <li>ML</li>
    <li>DL</li>
    <li>FSD</li>
    <li>UNIX</li>
  </ol>
  <h2>list of domains with A,B,C...</h2>
  <ol type="A">
    <li>AI</li>
```



- ```
ML
DL
FSD
UNIX
```

```

```

```
<h2>list of domains with starts 6,7,8...</h2>
```

```
<ol start="6">
```

- ```
<li>AI</li>
<li>ML</li>
<li>DL</li>
<li>FSD</li>
<li>UNIX</li>
```

```
</ol>
```

```
<h1 style="text-align: center;">Unordered list</h1>
```

```
<h2>list of domains with circle</h2>
```

```
<ul style="list-style-type: circle;">
```

- ```
AI
ML
DL
FSD
UNIX
```

```

```

```
<h2>list of domains with disc</h2>
```

```
<ul style="list-style-type: disc">
```

- ```
<li>AI</li>
<li>ML</li>
<li>DL</li>
<li>FSD</li>
<li>UNIX</li>
```

```
</ul>
```

```
<h2>list of domains with square</h2>
```

```
<ul style="list-style-type: square;">
```

- ```
AI
ML
DL
FSD
UNIX
```

```

```

```
<h2>list of domains with none</h2>
```

```
<ul style="list-style-type: none;">
```

- ```
<li>AI</li>
<li>ML</li>
```



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```
<li>DL</li>
<li>FSD</li>
<li>UNIX</li>
</ul>
<h1 style="text-align: center;">Nested list</h1>
<h3>Nested list with ordered and Unordered</h3>
<ol>
  <li>SITAMS</li>
  <ul>
    <li>cse</li>
    <li>ece</li>
    <li>eee</li>
  </ul>
  <li>vemu</li>
  <ul>
    <li>cse</li>
    <li>ece</li>
    <li>eee</li>
  </ul>
  <li>SVCET</li>
  <ul>
    <li>cse</li>
    <li>ece</li>
    <li>eee</li>
  </ul>
</ol>
<h3>Nested list with unordered and Unordered</h3>
<ul>
  <li>SITAMS</li>
  <ul>
    <li>cse</li>
    <li>ece</li>
    <li>eee</li>
  </ul>
  <li>vemu</li>
  <ul>
    <li>cse</li>
    <li>ece</li>
    <li>eee</li>
  </ul>
  <li>SVCET</li>
  <ul>
    <li>cse</li>
```



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```
<li>ece</li>
```

```
<li>eee</li>
```

```
</ul>
```

```
</ul>
```

```
<h3>Nested list with unordered and ordered</h3>
```

```
<ul>
```

```
<li>SITAMS</li>
```

```
<ol>
```

```
<li>cse</li>
```

```
<li>ece</li>
```

```
<li>eee</li>
```

```
</ol>
```

```
<li>vemu</li>
```

```
<ol>
```

```
<li>cse</li>
```

```
<li>ece</li>
```

```
<li>eee</li>
```

```
</ol>
```

```
<li>SVCET</li>
```

```
<ol>
```

```
<li>cse</li>
```

```
<li>ece</li>
```

```
<li>eee</li>
```

```
</ol>
```

```
</ul>
```

```
<h3>Nested list with ordered and ordered</h3>
```

```
<ol>
```

```
<li>SITAMS</li>
```

```
<ol>
```

```
<li>cse</li>
```

```
<li>ece</li>
```

```
<li>eee</li>
```

```
</ol>
```

```
<li>vemu</li>
```

```
<ol>
```

```
<li>cse</li>
```

```
<li>ece</li>
```

```
<li>eee</li>
```

```
</ol>
```

```
<li>SVCET</li>
```

```
<ol>
```

```
<li>cse</li>
```

```
<li>ece</li>
```



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```
<li>eee</li>
</ol>
</ol>
<h1 style="text-align: center;">Description list</h1>
<h2>Single description list</h2>
<dl>
  <dt>cse</dt>
  <dd>Computer Science and Engineering</dd>
</dl>
<h2>multiple line description list</h2>
<dl>
  <dt>cse and SITAMS</dt>
  <dd>Computer Science and Engineering <br>Sreenivasa institute
  of technology and management studies</dd>
</dl>
<h2>Nested description list</h2>
<dl>
  <dt>cse</dt>
  <dd>Computer Science and Engineering</dd>
  <dt>SITAMS</dt>
  <dd>Sreenivasa institute of technology and management
  studies</dd>
</dl>
</body>
</html>
```



Output:

ordered list

list of domains with 1,2,3...

1. AI
2. ML
3. DL
4. FSD
5. UNIX

list of domains with I,II,III...

- I. AI
- II. ML
- III. DL
- IV. FSD
- V. UNIX

list of domains with i,ii,iii...

- i. AI
- ii. ML
- iii. DL
- iv. FSD
- v. UNIX

list of domains with a,b,c...

- a. AI
- b. ML
- c. DL
- d. FSD
- e. UNIX

list of domains with A,B,C...

- A. AI
- B. ML
- C. DL
- D. FSD
- E. UNIX

list of domains with starts 6,7,8...

6. AI
7. ML
8. DL
9. FSD
10. UNIX

Unordered list

list of domains with circle

- o AI
- o ML
- o DL
- o FSD
- o UNIX

list of domains with disc

- AI
- ML
- DL
- FSD
- UNIX

list of domains with square

- AI
- ML
- DL
- FSD
- UNIX



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

list of domains with none

AI
ML
DL
FSD
UNIX

Nested list

Nested list with ordered and Unordered

1. SITAMS
 - cse
 - ece
 - eee
2. vemu
 - cse
 - ece
 - eee
3. SVCET
 - cse
 - ece
 - eee

Nested list with unordered and Unordered

- SITAMS
 - cse
 - ece
 - eee
- vemu
 - cse
 - ece
 - eee
- SVCET
 - cse
 - ece
 - eee

Nested list with unordered and ordered

- SITAMS
 1. cse
 2. ece
 3. eee
- vemu
 1. cse
 2. ece
 3. eee
- SVCET
 1. cse
 2. ece
 3. eee



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Nested list with ordered and ordered

1. SITAMS
 1. cse
 2. ece
 3. eee
2. vemu
 1. cse
 2. ece
 3. eee
3. SVCET
 1. cse
 2. ece
 3. eee

Description list

Single description list

cse
Computer Science and Engineering

multiple line description list

cse and SITAMS
Computer Science and Engineering
Sreenivasa institute of technology and management studies

Nested description list

cse
Computer Science and Engineering
SITAMS
Sreenivasa institute of technology and management studies

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Task No:1B

Date:

Aim:

Description:



Program:

```
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Links & URLs</title>
</head>
<body>
  <h1>Links With Attributes</h1>
  <p>The below Link is Default Attribute</p>
  <a href="https://sitams.ac.in/">Click Here To Redirect Sitams Website</a>
  <p>the below link is Parent Attribute</p>
  <a href="https://sitams.ac.in/cse/" target="_parent">Click Here To Redirect
Sitams-cse dept Website</a>
  <p>the below link is blank Attribute</p>
  <a href="https://sitams.ac.in/ece/" target="_blank">Click Here To Redirect
Sitams-ece dept Website</a>
  <p>the below link is self Attribute</p>
  <a href="https://sitams.ac.in/mca/" target="_self">Click Here To Redirect
Sitams-mca dept Website</a>
  <p>the below link is top Attribute</p>
  <a href="https://sitams.ac.in/eee/" target="_top">Click Here To Redirect
Sitams-eee dept Website</a>
  <h2>only blank and Top Attribute opens in new tab</h2>

  <h1>URLS With Attributes</h1>
  <p>The below Link is Default Attribute</p>
  <a href="/TASK-1A.html">Click Here To access TASK-1</a>
  <p>the below link is Parent Attribute</p>
  <a href="C:\Users\USER\Desktop\SITAMS\FSD\FSD INDEX.pdf"
target="_parent">Click Here To access FSD INDEX</a>
  <p>the below link is blank Attribute</p>
  <a href="C:\Users\USER\Desktop\SITAMS\FSD\SYLLABUS_1.jpg"
target="_blank">Click Here To access FSD SYLLABUS</a>
  <p>the below link is self Attribute</p>
  <a href="C:\Users\USER\Desktop\SITAMS\FSD\html.pdf"
target="_self">Click Here to access FSD NOTES</a>
  <p>the below link is top Attribute</p>
  <a href="C:\Users\USER\Desktop\SITAMS\FSD\RECORD\TASK-1\TASK-
1A.pdf" target="_top">Click Here To access TASK-1 PROGRAM</a>
  <h2>only blank and Top Attribute opens in new tab</h2>
</body></html>
```



Output:

Links With Attributes

The below Link is Default Attribute

[Click Here To Redirect Sitams Website](#)

the below link is Parent Attribute

[Click Here To Redirect Sitams-cse dept Website](#)

the below link is blank Attribute

[Click Here To Redirect Sitams-eee dept Website](#)

the below link is self Attribute

[Click Here To Redirect Sitams-mca dept Website](#)

the below link is top Attribute

[Click Here To Redirect Sitams-eee dept Website](#)

only blank and Top Attribute opens in new tab

URLS With Attributes

The below Link is Default Attribute

[Click Here To access TASK-1](#)

the below link is Parent Attribute

[Click Here To access FSD INDEX](#)

the below link is blank Attribute

[Click Here To access FSD SYLLABUS](#)

the below link is self Attribute

[Click Here to access FSD NOTES](#)

the below link is top Attribute

[Click Here To access TASK-1 PROGRAM](#)

only blank and Top Attribute opens in new tab

Result:



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STUDIES, CHITTOOR-517127, A.P.**

(Autonomous)

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Task No:1C

Date:

Aim:

Description:



Program:

```
<html>
<head>
  <title>Image Profile Navigation</title>
</head>
<body>
  <h2>Profile Images</h2>
  <a href="https://www.example.com/yourprofile" target="_blank">
    
  </a>
  <br><br>
  <a href="https://www.example.com/friendprofile" target="_blank">
    
  </a>
</body>
</html>
```

Output:

Profile Images



Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Task No:1D

Date:

Aim:

Description:



Program:

```
<html>
<head>
  <title>Thumbnail Image Gallery</title>
</head>
<body>
  <h2>Image Gallery (Using Thumbnails)</h2>
  <p>Click on a thumbnail to view the full-sized image.</p>
  <a href="image1_large.jpg" target="_blank">
    
  </a>
  <a href="image2_large.jpg" target="_blank">
    
  </a>
  <a href="image3_large.jpg" target="_blank">
    
  </a>
  <a href="image4_large.jpg" target="_blank">
    
  </a>
</body>
</html>
```

Output:

Image Gallery (Using Thumbnails)

Click on a thumbnail to view the full-sized image.



Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Task No:2A

Date:

Aim:

Description:



Program:

```
<html>
<head>
  <title>Student Data Table</title>
</head>
<body>
<h2 align="center">Student Information Table</h2>
<table border="1" align="center" cellpadding="10" cellspacing="0">
  <tr>
    <th rowspan="2">SL.NO</th>
    <th rowspan="2">NAME</th>
    <th rowspan="2">MAIL ID</th>
    <th rowspan="2">PHONE NO</th>
    <th colspan="2">ADDRESS</th>
  </tr>
  <tr>
    <th>City</th>
    <th>State</th>
  </tr>
  <tr>
    <td>1</td>
    <td>Rahul</td>
    <td>rahul@gmail.com</td>
    <td>9876543210</td>
    <td>Bangalore</td>
    <td>Karnataka</td>
  </tr>
  <tr>
    <td>2</td>
    <td>Anjali</td>
    <td>anjali@gmail.com</td>
    <td>9123456780</td>
    <td>Chennai</td>
    <td>Tamil Nadu</td>
  </tr>
  <tr>
    <td>3</td>
    <td>Vikram</td>
    <td>vikram@gmail.com</td>
    <td>9988776655</td>
    <td>Hyderabad</td>
    <td>Telangana</td>
  </tr>
</table>
</body>
</html>
```



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

```
</tr>
<tr>
  <td>4</td>
  <td>Sneha</td>
  <td>sneha@gmail.com</td>
  <td>8899776655</td>
  <td>Pune</td>
  <td>Maharashtra</td>
</tr>
<tr>
  <td>5</td>
  <td>Arjun</td>
  <td>arjun@gmail.com</td>
  <td>7766554433</td>
  <td>Kochi</td>
  <td>Kerala</td>
</tr>
</table>
</body>
</html>
```

Output:

Student Information Table

SL.NO	NAME	MAIL ID	PHONE NO	ADDRESS	
				City	State
1	Rahul	rahul@gmail.com	9876543210	Bangalore	Karnataka
2	Anjali	anjali@gmail.com	9123456780	Chennai	Tamil Nadu
3	Vikram	vikram@gmail.com	9988776655	Hyderabad	Telangana
4	Sneha	sneha@gmail.com	8899776655	Pune	Maharashtra
5	Arjun	arjun@gmail.com	7766554433	Kochi	Kerala

Result:



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Task No:2B

Date:

Aim:

Description:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

```
<td rowspan="6" align="center"><b>TEA<br>BREAK</b></td>
<td>IPR</td>
<td>AWPS</td>
<td rowspan="6" align="center"><b>LUNCH<br>BREAK</b></td>
<td>NLP</td>
<td>STM</td>
</tr>
<tr>
<th>TUE</th>
<td>CNS</td>
<td>IPR</td>
<td>CC</td>
<td>ML</td>
<td colspan="2" align="center">SSC LAB</td>
</tr>
<tr>
<th>WED</th>
<td colspan="2" align="center">ML LAB</td>
<td colspan="2" align="center">AWPS</td>
<td>CNS</td>
<td>LIB/DAA</td>
</tr>
<tr>
<th>THU</th>
<td>STM</td>
<td>NLP</td>
<td>ML</td>
<td>CNS</td>
<td>CC</td>
<td>AWPS</td>
</tr>
</tr>
<tr>
```



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

```

<th>FRI</th>
<td colspan="2" align="center">CNS LAB</td>
<td colspan="2" align="center">NLP</td>
<td>ML</td>
<td>STM</td>
</tr>
<tr>
<th>SAT</th>
<td colspan="2" align="center">SSC LAB</td>
<td>NLP</td>
<td>CNS</td>
<td>STM</td>
<td>CC</td>
</tr>
</table>
</body>
</html>

```

Output:

SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Year/Sem: III Year / VI Sem Section: B

Academic Year: 2025-2026 Room No: 309A

CLASS TIME TABLE

Day / Hour	1 9:00-10:00	2 10:00-11:00	11:00-11:15	3 11:15-12:15	4 12:15-01:15	1:15-2:00	5 2:00-3:00	6 3:00-4:00
MON	ML	CC	TEA BREAK	IPR	AWPS	LUNCH BREAK	NLP	STM
TUE	CNS	IPR		CC	ML		SSC LAB	
WED	ML LAB			AWPS			CNS	LIB/DAA
THU	STM	NLP		ML	CNS		CC	AWPS
FRI	CNS LAB			NLP			ML	STM
SAT	SSC LAB			NLP	CNS		STM	CC

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Task No:2C

Date:

Aim:

Description:



Program:

```
<html>
<head>
  <title>Registration Form</title>
</head>
<body>
<h2 align="center">STUDENT REGISTRATION FORM</h2>
<form>
<table border="1" align="center" cellpadding="10" cellspacing="0">
  <tr>
    <td>Full Name</td>
    <td><input type="text" name="fname"></td>
  </tr>
  <tr>
    <td>Password</td>
    <td><input type="password" name="pwd"></td>
  </tr>
  <tr>
    <td>Age</td>
    <td><input type="number" name="age"></td>
  </tr>
  <tr>
    <td>Date of Birth</td>
    <td><input type="date" name="dob"></td>
  </tr>
  <tr>
    <td>Gender</td>
    <td>
      <input type="radio" name="gender"> Male
      <input type="radio" name="gender"> Female
    </td>
  </tr>
  <tr>
    <td>Languages Known</td>
    <td>
      <input type="checkbox"> English
      <input type="checkbox"> Hindi
      <input type="checkbox"> Telugu
    </td>
  </tr>
  <tr>
    <td>Course</td>
  </tr>
</table>
</form>
</body>
</html>
```



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```
<td>
  <select>
    <option>Select Course</option>
    <option>B.Tech</option>
    <option>M.Tech</option>
    <option>MCA</option>
    <option>MBA</option>
  </select>
</td>
</tr>
<tr>
  <td>Address</td>
  <td>
    <textarea rows="4" cols="30"></textarea>
  </td>
</tr>
<tr>
  <td colspan="2" align="center">
    <input type="submit" value="Submit">
    <input type="reset" value="Reset">
  </td>
</tr>
</table>
</form>

</body>
</html>
```



Output:

STUDENT REGISTRATION FORM

Full Name	<input type="text"/>
Password	<input type="password"/>
Age	<input type="text"/>
Date of Birth	<input type="text" value="dd-mm-yyyy"/>
Gender	<input type="radio"/> Male <input type="radio"/> Female
Languages Known	<input type="checkbox"/> English <input type="checkbox"/> Hindi <input type="checkbox"/> Telugu
Course	<input type="text" value="Select Course"/>
Address	<input type="text"/>
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	

Result:



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Task No:2D

Date:

Aim:

Description:



Program:(Frames.html)

```
<html>
<head>
  <title>HTML Frames Example</title>
</head>
<frameset cols="30%,40%,30%" noresize>

  <frame src="FRAME1.HTML" noresize>
  <frame src="FRAME2.HTML" noresize>
  <frame src="FRAME3.HTML" noresize>
</frameset>
  <body>
    <p>Your browser does not support frames.</p>
  </body>
</frameset>
</html>
```

Program:(Frame1.html)

```
<html>
<body>
  <h3>Image Frame</h3>
  
</body>
</html>
```

Program:(Frame2.html)

```
<html>
<body>
  <h3>Paragraph Frame</h3>
  <p>
    HTML frames allow a browser window to be divided into multiple sections.
    Each section can load a separate HTML document independently.
  </p>
</body>
</html>
```



Program:(Frame3.html)

```
<html>
<body>
  <h3>Hyperlink Frame</h3>
  <a href="https://sitams.ac.in/cse" target="_blank">
    cse dept
  </a>
</body>
</html>
```

Output:

Image Frame



Paragraph Frame

HTML frames allow a browser window to be divided into multiple sections.
Each section can load a separate HTML document independently.

Hyperlink Frame

[cse_dept](https://sitams.ac.in/cse)

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Task No:3A

Date:

Aim:

Description:



Program:

```
<html>
<head>
  <title>HTML Semantic Tags Example</title>
</head>
<body>
<header>
  <h1>My Tech Blog</h1>
  <p>Learning <span style="color:blue;">HTML5 Semantic Tags</span></p>
</header>
<nav>
  <a href="#">Home</a> |
  <a href="#">Articles</a> |
  <a href="#">Contact</a>
</nav>
<main>
  <section>
    <h2>Web Development</h2>
    <article>
      <h3>Introduction to HTML5</h3>
      <p>HTML5 introduces many new <span>semantic elements</span> to define
web pages clearly.</p>
      <figure>
        
        <figcaption>Fig: HTML5 Logo</figcaption>
      </figure>
    </article>
    <article>
      <h3>Why Semantic Tags?</h3>
      <p>Semantic tags improve <span style="font-
weight:bold;">readability</span> and SEO.</p>
    </article>
  </section>
  <aside>
    <h3>Related Links</h3>
    <ul>
      <li>HTML Basics</li>
      <li>CSS Basics</li>
      <li>JavaScript</li>
    </ul>
  </aside>
```



```
<div>
  <p>This content is inside a <span style="color:green;">div and span</span>
tag.</p>
</div>
</main>
<footer>
  <p>&copy; 2025 My Tech Blog | Designed by Student</p>
</footer>
</body>
</html>
```

Output:

My Tech Blog

Learning [HTML5 Semantic Tags](#)

[Home](#) | [Articles](#) | [Contact](#)

Web Development

Introduction to HTML5

HTML5 introduces many new semantic elements to define web pages clearly.



Fig: HTML5 Logo

Why Semantic Tags?

Semantic tags improve **readability** and **SEO**.

Related Links

- [HTML Basics](#)
- [CSS Basics](#)
- [JavaScript](#)

This content is inside a **div** and **span** tag.

© 2025 My Tech Blog | Designed by Student

Result:



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STUDIES, CHITTOOR-517127, A.P.**

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Task No:3B

Date:

Aim:

Description:



Program:

```
<html>
<head>
  <title>Audio and Video in HTML</title>
</head>
<body>
<h2>Embedding Audio and Video in HTML</h2>
<h3>Audio Example</h3>
<audio controls>
  <source src="audio.mp3" type="audio/mpeg">
  Your browser does not support the audio element.
</audio>
<br><br>
<h3>Video Example</h3>
<video width="400" height="300" controls>
  <source src="video.mp4" type="video/mp4">
  Your browser does not support the video element.
</video>
</body>
</html>
```

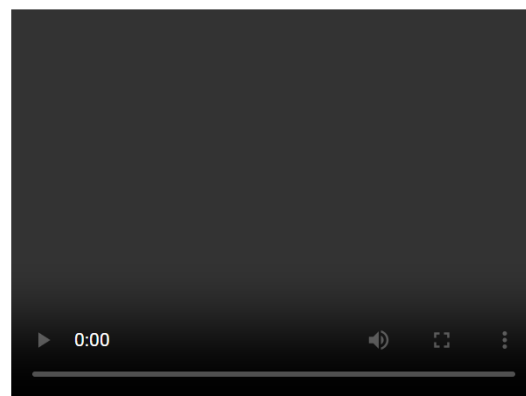
Output:

Embedding Audio and Video in HTML

Audio Example



Video Example



Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Task No:3C

Date:

Aim:

Description:



Program(INLINE CSS):

```
<html>
<head>
  <title>SITAMS Inline CSS Example</title>
</head>
<body style="background-color:#f5f5f5;">
<h1 style="color:darkblue; text-align:center; text-transform:uppercase;">
  Sreenivasa Institute of Technology and Management Studies
</h1>
<h2 style="color:maroon; text-decoration:underline;">
  About SITAMS
</h2>
<p style="color:black; font-size:16px; line-height:1.6;">
  Sreenivasa Institute of Technology and Management Studies (SITAMS) is a reputed
  engineering college located in <span style="color:green; font-
  weight:bold;">Chittoor, Andhra Pradesh</span>.
  The institute offers quality education in engineering and management.
</p>
<p style="color:#444; font-size:15px; background-color:#e6e6e6; padding:10px;">
  SITAMS focuses on academic excellence, industry-oriented training, and overall
  personality development of students.
</p>
<h3 style="color:purple;">
  Courses Offered
</h3>
<p style="color:darkgreen;">
  ✓ Computer Science and Engineering<br>
  ✓ Electronics and Communication Engineering<br>
  ✓ Electrical and Electronics Engineering<br>
  ✓ Mechanical Engineering
</p>
<p style="color:brown; font-style:italic;">
  The institution provides modern laboratories, experienced faculty, and a
  student-friendly learning environment.
</p>
</body>
</html>
```



SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES, CHITTOOR-517127, A.P.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Output:

SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES

About SITAMS

Sreenivasa Institute of Technology and Management Studies (SITAMS) is a reputed engineering college located in **Chittoor, Andhra Pradesh**. The institute offers quality education in engineering and management.

SITAMS focuses on academic excellence, industry-oriented training, and overall personality development of students.

Courses Offered

- ✓ Computer Science and Engineering
- ✓ Electronics and Communication Engineering
- ✓ Electrical and Electronics Engineering
- ✓ Mechanical Engineering

The institution provides modern laboratories, experienced faculty, and a student-friendly learning environment.

Program(INTERNAL CSS):

```
<html>
<head>
  <title>SITAMS Internal CSS Example</title>
  <!-- Internal CSS -->
  <style>
    body {
      background-color: #eef6ff;
      font-family: Verdana;
    }
    h1 {
      color: #0b5394;
      text-align: center;
      letter-spacing: 2px;
    }
    h2 {
      color: #990000;
      text-decoration: underline;
    }
    h3 {
      color: #6a329f;
    }
    p {
      color: #333333;
      font-size: 15px;
      line-height: 1.6;
    }
    .highlight {
      background-color: #d9ead3;
      padding: 10px;
    }
  </style>
</head>
<body>
  <h1>SITAMS</h1>
  <h2>About SITAMS</h2>
  <h3>Courses Offered</h3>
  <p>Sreenivasa Institute of Technology and Management Studies (SITAMS) is a reputed engineering college located in Chittoor, Andhra Pradesh. The institute offers quality education in engineering and management.</p>
  <p>SITAMS focuses on academic excellence, industry-oriented training, and overall personality development of students.</p>
  <ul>
    <li>✓ Computer Science and Engineering</li>
    <li>✓ Electronics and Communication Engineering</li>
    <li>✓ Electrical and Electronics Engineering</li>
    <li>✓ Mechanical Engineering</li>
  </ul>
  <p><i>The institution provides modern laboratories, experienced faculty, and a student-friendly learning environment.</i></p>
</body>
</html>
```



SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES, CHITTOOR-517127, A.P.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

```
.courses {
  color: #274e13;
  font-weight: bold;
}
.note {
  color: #783f04;
  font-style: italic;
}
</style>
</head>
<body>
<h1>
  Sreenivasa Institute of Technology and Management Studies
</h1>
<h2>
  About SITAMS
</h2>
<p>
  Sreenivasa Institute of Technology and Management Studies (SITAMS) is a reputed
  engineering college located in <span class="courses">Chittoor, Andhra
  Pradesh</span>.
  The institute offers quality education in engineering and management.
</p>
<p class="highlight">
  SITAMS focuses on academic excellence, industry-oriented training, and overall
  personality development of students.
</p>
<h3>
  Courses Offered
</h3>
<p class="courses">
  ✓ Computer Science and Engineering<br>
  ✓ Electronics and Communication Engineering<br>
  ✓ Electrical and Electronics Engineering<br>
  ✓ Mechanical Engineering
</p>
<p class="note">
  The institution provides modern laboratories, experienced faculty, and a
  student-friendly learning environment.
</p>
</body>
</html>
```



SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES, CHITTOOR-517127, A.P.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Output:

Sreenivasa Institute of Technology and Management Studies

About SITAMS

Sreenivasa Institute of Technology and Management Studies (SITAMS) is a reputed engineering college located in **Chittoor, Andhra Pradesh**. The institute offers quality education in engineering and management.

SITAMS focuses on academic excellence, industry-oriented training, and overall personality development of students.

Courses Offered

- ✓ Computer Science and Engineering
- ✓ Electronics and Communication Engineering
- ✓ Electrical and Electronics Engineering
- ✓ Mechanical Engineering

The institution provides modern laboratories, experienced faculty, and a student-friendly learning environment.

Program(Index.html):EXTERNAL CSS

```
<html>
```

```
<head>
```

```
  <title>SITAMS External CSS Example</title>
```

```
  <!-- Linking External CSS -->
```

```
  <link rel="stylesheet" href="styles.css">
```

```
</head>
```

```
<body>
```

```
<h1>
```

```
  Sreenivasa Institute of Technology and Management Studies
```

```
</h1>
```

```
<h2>
```

```
  About SITAMS
```

```
</h2>
```

```
<p>
```

```
  Sreenivasa Institute of Technology and Management Studies (SITAMS) is a reputed  
  engineering college located in <span class="courses">Chittoor, Andhra  
Pradesh</span>.
```

```
  The institute offers quality education in engineering and management.
```

```
</p>
```

```
<p class="highlight">
```

```
  SITAMS focuses on academic excellence, industry-oriented training, and overall  
  personality development of students.
```



</p>

<h3>

Courses Offered

</h3>

<p class="courses">

- ✓ Computer Science and Engineering

- ✓ Electronics and Communication Engineering

- ✓ Electrical and Electronics Engineering

- ✓ Mechanical Engineering

</p>

<p class="note">

The institution provides modern laboratories, experienced faculty, and a student-friendly learning environment.

</p>

</body>

</html>

Program(Style.css):

```
body {
```

```
background-color: #fff3e6;
```

```
font-family: "Segoe UI", Tahoma;
```

```
}
```

```
h1 {
```

```
color: #2e7d32;
```

```
text-align: center;
```

```
text-transform: uppercase;
```

```
}
```

```
h2 {
```

```
color: #b71c1c;
```

```
border-bottom: 2px solid #b71c1c;
```

```
}
```

```
h3 {
```



SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES, CHITTOOR-517127, A.P.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

```
color: #4a148c;
}
p {
color: #333333;
font-size: 15px;
line-height: 1.7;
}
.highlight {
background-color: #ffe0b2;
padding: 12px;
}
.courses {
color: #1b5e20;
font-weight: bold;
}
.note {
color: #5d4037;
font-style: italic;
}
```

Output:

SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES

About SITAMS

Sreenivasa Institute of Technology and Management Studies (SITAMS) is a reputed engineering college located in **Chittoor, Andhra Pradesh**. The institute offers quality education in engineering and management.

SITAMS focuses on academic excellence, industry-oriented training, and overall personality development of students.

Courses Offered

- ✓ Computer Science and Engineering
- ✓ Electronics and Communication Engineering
- ✓ Electrical and Electronics Engineering
- ✓ Mechanical Engineering

The institution provides modern laboratories, experienced faculty, and a student-friendly learning environment.

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Task No:4

Date:

Aim:

Description:



Program(Simple Selector.html):

```
<html>
<head>
  <title>SITAMS College</title>
  <link rel="stylesheet" href="Simple Selector.css">
</head>
<body>
  <!-- ID Selector -->
  <h1 id="collegeName">Sreenivasa Institute of Technology and Management Studies</h1>
  <!-- Element Selector -->
  <p>SITAMS is a reputed engineering college located in Chittoor.</p>
  <p>The college offers quality technical education.</p>
  <!-- Class Selector -->
  <div class="department">
    <h2>Computer Science and Engineering</h2>
    <h2>Electronics and Communication Engineering</h2>
    <h2>Mechanical Engineering</h2>
  </div>
  <!-- Group Selector -->
  <h3>Vision</h3>
  <h4>Mission</h4>
  <p>To produce skilled and ethical engineers.</p>
  <!-- More content -->
  <ul class="facilities">
    <li>Well Equipped Labs</li>
    <li>Experienced Faculty</li>
    <li>Library and Digital Resources</li>
  </ul>
</body>
</html>
```



(Simple Selector.css)

```
/* ID Selector */
#collegeName {
    color: darkblue;
    text-align: center;
    text-transform: uppercase;
}
/* Element Selector */
p {
    color: black;
    font-size: 16px;
    margin-left: 20px;
}
/* Class Selector */
.department {
    color: maroon;
    margin-left: 30px;
    font-style: italic;}
/* Group Selector */
h3, h4 {
    color: green;
    margin-left: 20px;}
/* Universal Selector */
* {
    font-family: Arial, sans-serif;
    background-color: #f5f5f5;}
/* Class Selector (extra content) */
.facilities {
    color: brown;
    margin-left: 40px;
}
```



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Output:

SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES

SITAMS is a reputed engineering college located in Chittoor.
The college offers quality technical education.

Computer Science and Engineering

Electronics and Communication Engineering

Mechanical Engineering

Vision

Mission

To produce skilled and ethical engineers.

- Well Equipped Labs
- Experienced Faculty
- Library and Digital Resources

Program(combinator.html):

```
<html>
<head>
  <title>SITAMS College - Combinators</title>
  <link rel="stylesheet" href=" combinator.css">
</head>
<body>
  <h1>SITAMS College</h1>

  <!-- Descendant & Child -->
  <div class="college">
    <h2>Departments</h2>
    <p>Engineering Departments</p>

    <div>
      <p>Computer Science and Engineering</p>
      <p>Electronics and Communication Engineering</p>
    </div>

    <p>Mechanical Engineering</p>
  </div>

  <!-- Adjacent Sibling -->
  <h2>Facilities</h2>
  <p>Central Library</p>
  <p>Digital Library</p>
```



```
<!-- General Sibling -->
```

```
<h3>Placements</h3>
```

```
<p>Top companies visit the campus.</p>
```

```
<p>Training and Placement Cell available.</p>
```

```
<p>Career guidance programs conducted.</p>
```

```
</body>
```

```
</html>
```

Program(combinator.css):

```
/* Descendant Selector (space) */
```

```
/* Selects all p elements inside .college */
```

```
.college p {  
    color: blue;  
}
```

```
/* Child Selector (>) */
```

```
/* Selects only direct p children of .college */
```

```
.college > p {  
    font-weight: bold;  
    color: darkgreen;  
}
```

```
/* Adjacent Sibling Selector (+) */
```

```
/* Selects the first p immediately after h2 */
```

```
h2 + p {  
    color: brown;  
    font-style: italic;  
}
```

```
/* General Sibling Selector (~) */
```

```
/* Selects all p elements after h3 */
```

```
h3 ~ p {  
    color: purple;  
}
```



Output:

SITAMS College

Departments

Engineering Departments

[Computer Science and Engineering](#)

[Electronics and Communication Engineering](#)

[Mechanical Engineering](#)

Facilities

Central Library

Digital Library

Placements

Top companies visit the campus.

Training and Placement Cell available.

Career guidance programs conducted.

Program(pseudo-class.html):

```
<html>
<head>
  <title>SITAMS College - Pseudo Class</title>
  <link rel="stylesheet" href=" pseudo-class.css">
</head>
<body>
  <h1>SITAMS College</h1>
  <p>Move the mouse over the link and button to see effects.</p>
  <a href="https://sitams.ac.in/cse/" target="_blank">SITAMS Website</a>
  <br><br>
  <button>Apply for Admission</button>
  <h2>Departments</h2>
  <ul>
    <li>Computer Science Engineering</li>
    <li>Electronics Engineering</li>
    <li>Mechanical Engineering</li>
  </ul>
</body>
</html>
```



Program(pseudo-class.css):

```
/* Link Pseudo Classes */
```

```
a:link {  
    color: blue;  
}
```

```
a:visited {  
    color: purple;  
}
```

```
a:hover {  
    color: red;  
    font-size: 18px;  
}
```

```
a:active {  
    color: green;  
}
```

```
/* Button Hover */  
button:hover {  
    background-color: orange;  
    color: white;  
    cursor: pointer;  
}
```

```
/* List Pseudo Class */  
li:first-child {  
    color: darkblue;  
    font-weight: bold;  
}
```

```
li:last-child {  
    color: brown;  
}
```

```
/* Focus Pseudo Class */  
button:focus {  
    outline: 2px solid black;  
}
```



Output:

SITAMS College

Move the mouse over the link and button to see effects.

[SITAMS Website](#)

Apply for Admission

Departments

- **Computer Science Engineering**
- **Electronics Engineering**
- **Mechanical Engineering**

Program(pseudo-element.html):

```
<html>
<head>
  <title>SITAMS College - Pseudo Element</title>
  <link rel="stylesheet" href="pseudo-element.css">
</head>
<body>
  <h1>SITAMS College</h1>
  <p class="intro">
    Sreenivasa Institute of Technology and Management Studies provides quality education
    with excellent infrastructure and experienced faculty.
  </p>
  <h2>Departments</h2>
  <p>
    The college offers various engineering departments like CSE, ECE, MECH and CIVIL.
  </p>
  <ul>
    <li>Computer Science Engineering</li>
    <li>Electronics and Communication Engineering</li>
    <li>Mechanical Engineering</li>
  </ul>
</body>
</html>
```



Program(pseudo-element.css):

```
/* First letter of paragraph */
p::first-letter {
  font-size: 30px;
  color: darkblue;
  font-weight: bold;
}
/* First line of paragraph */
p::first-line {
  color: green;
}
/* Before heading */
h1::before {
  content: " $ ";
}
/* After heading */
h1::after {
  content: " - Chittoor";
  color: brown;
}
/* Marker of list */
li::marker {
  color: yellow;
}
```

Output:

\$ SITAMS College - Chittoor

Sreenivasa Institute of Technology and Management Studies provides quality education with excellent infrastructure and experienced faculty.

Departments

The college offers various engineering departments like CSE, ECE, MECH and CIVIL.

- Computer Science Engineering
- Electronics and Communication Engineering
- Mechanical Engineering



Program(attribute.html):

```
<!DOCTYPE html>
<html>
<head>
  <title>SITAMS College - Attribute Selector</title>
  <link rel="stylesheet" href="4e.css">
</head>
<body>
  <h1>SITAMS College</h1>
  <p>Engineering Admissions Form</p>
  <form>
    Name:
    <input type="text" placeholder="Enter Name"><br><br>
    Email:
    <input type="email" placeholder="Enter Email"><br><br>
    Password:
    <input type="password"><br><br>
    Department:
    <input type="text" value="CSE" readonly><br><br>
    <input type="submit" value="Submit Application">
  </form>
  <br>
  <a href="https://sitams.ac.in">Official Website</a>
  <br>
  <a href="brochure.pdf">College Brochure</a>
</body>
</html>
```

Program(attribute.css):

```
/* Attribute Selector */
input[type="text"] {
  border: 2px solid blue;
}

/* Attribute Selector */
input[type="email"] {
  border: 2px solid green;
}

/* Attribute Selector */
input[type="password"] {
  border: 2px solid red;
}
```



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

```
/* Attribute Selector */  
input[readonly] {  
    background-color: #e6e6e6;  
}  
  
/* Attribute Selector with value */  
a[href="https://sitams.ac.in"] {  
    color: darkblue;  
    font-weight: bold;  
}  
  
/* Attribute Selector ending with value */  
a[href$=".pdf"] {  
    color: brown;  
}
```

Output:

SITAMS College

Engineering Admissions Form

Name:

Email:

Password:

Department:

[Official Website](#)

[College Brochure](#)

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:5A

Date:

Aim:

Description:



Program:

```
<!DOCTYPE html>
<html>
<head>
  <title>CSS Color References</title>
  <style>
    /* 1. Color Name */
    .color-name {
      color: red;
    }
    /* 2. RGB */
    .rgb-color {
      color: rgb(0, 128, 255);
    }
    /* 3. RGBA */
    .rgba-color {
      color: rgba(0, 128, 0, 0.6);
    }
    /* 4. Hexadecimal */
    .hex-color {
      color: #FF5733;
    }
    /* 5. HSL */
    .hsl-color {
      color: hsl(240, 100%, 50%);
    }
    /* 6. HSLA */
    .hsla-color {
      color: hsla(300, 100%, 25%, 0.7);
    }
    /* Common styling */
    p {
      font-size: 18px;
      font-weight: bold;
    }
  </style>
</head>
<body>
  <h2>Various Ways to Reference Colors in CSS</h2>
  <p class="color-name">This text uses Color Name (red)</p>
  <p class="rgb-color">This text uses RGB color</p>
```



```
<p class="rgba-color">This text uses RGBA color</p>
<p class="hex-color">This text uses Hexadecimal color</p>
<p class="hsl-color">This text uses HSL color</p>
<p class="hsla-color">This text uses HSLA color</p>
</body>
</html>
```

Output:

Various Ways to Reference Colors in CSS

This text uses Color Name (red)

This text uses RGB color

This text uses RGBA color

This text uses Hexadecimal color

This text uses HSL color

This text uses HSLA color

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:5B

Date:

Aim:

Description:



Program:

```
<!DOCTYPE html>
<html>
<head>
  <title>Fixed Background Image Demo</title>
  <style>
    body {
      margin: 0;
      height: 2000px; /* Extra height to enable scrolling */
      background-image: url("./1.jpg");
      background-repeat: repeat-x;
      background-position: center 50%;
      background-attachment: fixed;
      background-size: auto;
    }
    h1 {
      text-align: center;
      margin-top: 50px;
      color: #333;
    }
    p {
      width: 60%;
      margin: 40px auto;
      font-size: 18px;
      line-height: 1.6;
    }
  </style>
</head>
<body>
  <h1>Fixed Background Image Example</h1>
  <p>
    Scroll up and down to observe the background image.
    The image is positioned halfway down the page,
    tiled horizontally, and remains fixed while scrolling.
  </p>
  <p>
    This program demonstrates the use of CSS background properties
    such as background-image, background-repeat,
    background-position, and background-attachment.
  </p>
</body>
</html>
```



Output:

Fixed Background Image Example

Scroll up and down to observe the background image. The image is positioned halfway down the page, tiled horizontally, and remains fixed while scrolling.

This program demonstrates the use of CSS background properties such as background-image, background-repeat, background-position, and background-attachment.



Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:5C

Date:

Aim:

Description:



Program:

```
<!DOCTYPE html>
<html>
<head>
  <title>CSS Font and Text Properties</title>
  <style>
    body {
      font-family: Arial, sans-serif;
    }

    /* ii. font-weight */
    .bold-text {
      font-weight: bold;
    }

    /* iii. font-style */
    .italic-text {
      font-style: italic;
    }

    /* iv. text-decoration */
    .decorated-text {
      text-decoration: underline;
    }

    /* v. text-transformation */
    .transform-text {
      text-transform: uppercase;
    }

    /* vi. text-alignment */
    .aligned-text {
      text-align: center;
    }

    p {
      font-size: 18px;
      margin: 20px;
```



```
    }
  </style>
</head>
<body>
  <h2>Demonstration of CSS Font and Text Properties</h2>
  <p class="bold-text">
    This text demonstrates font-weight (bold).
  </p>
  <p class="italic-text">
    This text demonstrates font-style (italic).
  </p>
  <p class="decorated-text">
    This text demonstrates text-decoration (underline).
  </p>
  <p class="transform-text">
    This text demonstrates text-transformation (uppercase).
  </p>
  <p class="aligned-text">
    This text demonstrates text-alignment (center).
  </p>
</body>
</html>
```

Output:

Demonstration of CSS Font and Text Properties

This text demonstrates font-weight (bold).

This text demonstrates font-style (italic).

This text demonstrates text-decoration (underline).

THIS TEXT DEMONSTRATES TEXT-TRANSFORMATION (UPPERCASE).

This text demonstrates text-alignment (center).

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:5D

Date:

Aim:

Description:



Program:

```
<!DOCTYPE html>
<html>
<head>
  <title>CSS Box Model Demonstration</title>
  <style>
    .box {
      width: 300px;
      height: 150px;
      background-color: #e0f7fa;
      padding: 20px;
      border: 5px solid #00796b;
      margin: 30px;
      font-size: 18px;
    }
  </style>
</head>
<body>
  <h2>CSS Box Model Example</h2>
  <div class="box">
    This area represents the CONTENT of the box.
    Padding creates space around this content.
    Border wraps the padding and content.
    Margin creates space outside the box.
  </div>
</body>
</html>
```



Output:

CSS Box Model Example

This area represents the **CONTENT** of the box. Padding creates space around this content. Border wraps the padding and content. Margin creates space outside the box.

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:6A

Date:

Aim:

Description:



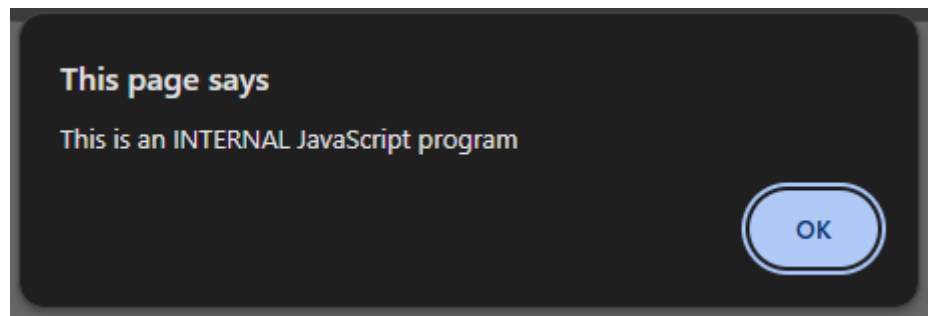
Program(Internal.js):

```
<!DOCTYPE html>
<html>
<head>
  <title>Internal JavaScript Example</title>
  <!-- Internal JavaScript -->
  <script>
    function showMessage() {
      alert("This is an INTERNAL JavaScript program");
    }
  </script>
</head>
<body>
  <h2>Internal JavaScript</h2>
  <button onclick="showMessage()">
    Click Me
  </button>
</body>
</html>
```

Output:

Internal JavaScript

Click Me





Program(External.html):

```
<!DOCTYPE html>
<html>
<head>
  <title>External JavaScript Example</title>
</head>
<body>
  <h2>External JavaScript</h2>
  <button onclick="showMessage()">
    Click Me
  </button>
  <!-- Linking External JavaScript file -->
  <script src="6a.js"></script>
</body>
</html>
```

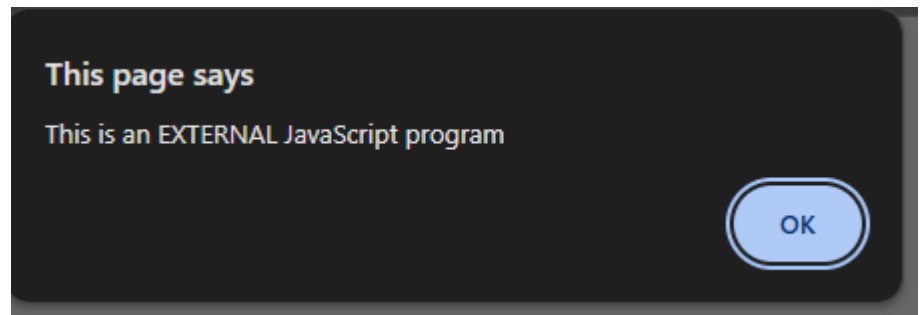
External.js

```
function showMessage() {
  alert("This is an EXTERNAL JavaScript program");
}
```

Output:

External JavaScript

Click Me



Result:



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STUDIES, CHITTOOR-517127, A.P.**

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:6B

Date:

Aim:

Description:



Program(InnerHTML):

```
<html>
<head>
  <title>innerHTML Output</title>
</head>
<body>
  <h2>Output using innerHTML</h2>
  <p id="result"></p>
  <script>
    document.getElementById("result").innerHTML =
      "This output is displayed using innerHTML";
  </script>
</body>
</html>
```

Output:

Output using innerHTML

This output is displayed using innerHTML

Program(document.Write):

```
<!DOCTYPE html>
<html>
<head>
  <title>document.write Output</title>
</head>
<body>
  <h2>Output using document.write()</h2>
  <script>
    document.write("This rwlejfklneckdjdjkjyed using document.write()");
  </script>
</body>
</html>
```



Output:

Output using document.write()

This rwlejfklneckdjdjkyed using document.write()

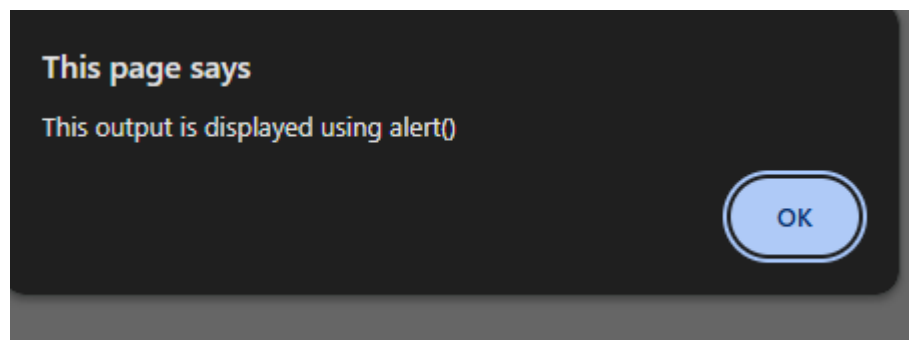
Program(Alert Message):

```
<!DOCTYPE html>
<html>
<head>
  <title>alert Output</title>
</head>
<body>
  <h2>Output using alert()</h2>
  <button onclick="showMessage()">Click Here</button>
  <script>
    function showMessage() {
      alert("This output is displayed using alert()");
    }
  </script>
</body>
</html>
```

Output:

Output using alert()

Click Here





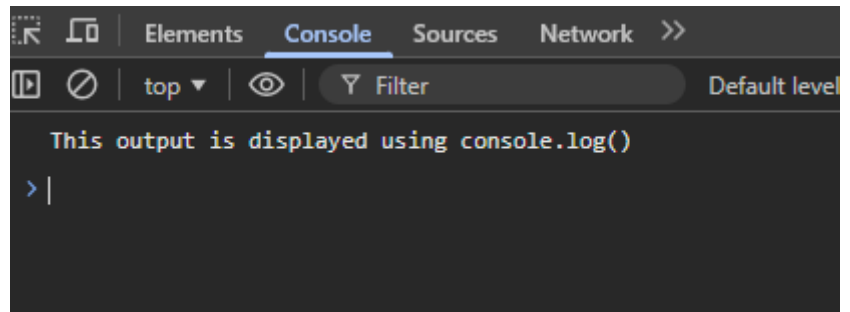
Program(Console.log):

```
<!DOCTYPE html>
<html>
<head>
  <title>console.log Output</title>
</head>
<body>
  <h2>Output using console.log()</h2>
  <p>Open browser console to see the output</p>
  <script>
    console.log("This output is displayed using console.log()");
  </script>
</body>
</html>
```

Output:

Output using console.log()

Open browser console to see the output



Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:6C

Date:

Aim:

Description:



Program(Using Input Field):

```
<!DOCTYPE html>
<html>
<head>
  <title>Input using HTML Input</title>
</head>
<body>
  <h2>Taking Input using Input Field</h2>
  Enter your name:
  <input type="text" id="name">
  <button onclick="showName()">Submit</button>
  <p id="result"></p>
  <script>
    function showName() {
      var n = document.getElementById("name").value;
      document.getElementById("result").innerHTML = "Name: " + n;
    }
  </script>
</body>
</html>
```

Output:

Taking Input using Input Field

Enter your name:

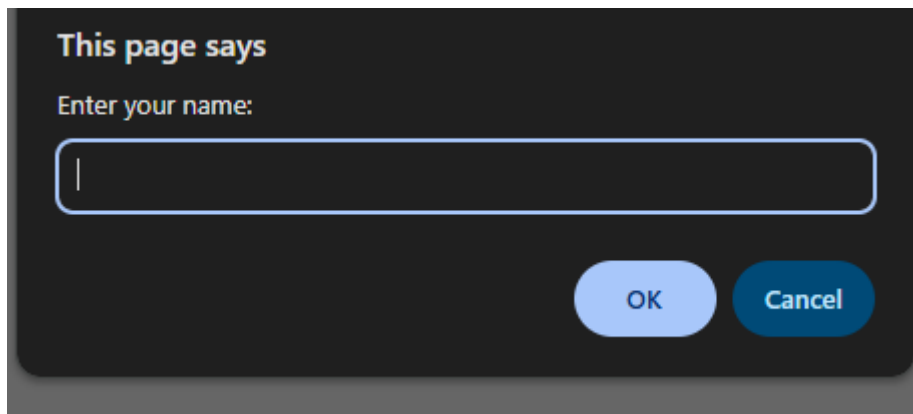
Name: FSD LAB



Program(Using Promt):

```
<!DOCTYPE html>
<html>
<head>
  <title>Input using Prompt</title>
</head>
<body>
  <h2>Taking Input using prompt()</h2>
  <script>
    var name = prompt("Enter your name:");
    document.write("Name: " + name);
  </script>
</body>
</html>
```

Output:



Taking Input using prompt()

Name: FSD LAB



Program(Using Form):

```
<!DOCTYPE html>
<html>
<head>
  <title>Input using Form</title>
</head>
<body>
  <h2>Taking Input using Form</h2>
  <form>
    Enter Age:
    <input type="number" id="age">
    <br><br>
    <button type="button" onclick="showAge()">Submit</button>
  </form>
  <p id="result"></p>
  <script>
    function showAge() {
      var a = document.getElementById("age").value;
      document.getElementById("result").innerHTML = "Age: " + a;
    }
  </script>
</body>
</html>
```

Output:

Taking Input using Form

Enter Age:

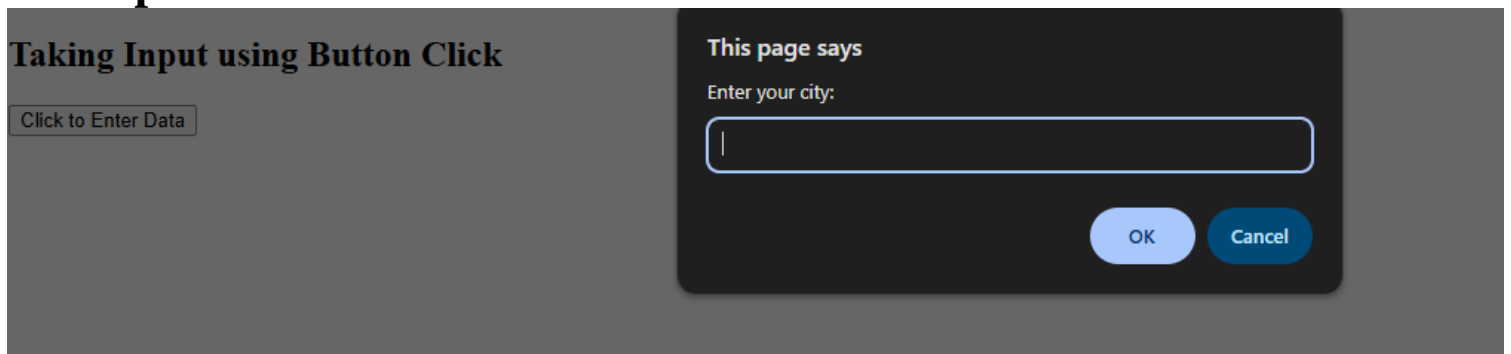
Age: 54



Program(Using Button):

```
<!DOCTYPE html>
<html>
<head>
  <title>Input using Button</title>
</head>
<body>
  <h2>Taking Input using Button Click</h2>
  <button onclick="getInput()">Click to Enter Data</button>
  <p id="output"></p>
  <script>
    function getInput() {
      var city = prompt("Enter your city:");
      document.getElementById("output").innerHTML = "City: " + city;
    }
  </script>
</body>
</html>
```

Output:



Taking Input using Button Click

Click to Enter Data

City: Chittoor

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:6C

Date:

Aim:

Description:



Program(Using Input Field):

```
<!DOCTYPE html>
<html>
<head>
  <title>Voter Eligibility</title>
  <style>
    table {
      border-collapse: collapse;
      width: 50%;
      margin-top: 30px;
    }
    th, td {
      border: 1px solid black;
      padding: 10px;
      text-align: center;
    }
    th {
      background-color: #f2f2f2;
    }
  </style>
  <script>
    function getVoterDetails() {
      var name = prompt("Enter your name:");
      var age = prompt("Enter your age:");
      age = parseInt(age);
      var status;
      if (age >= 18) {
        status = "Eligible to Vote";
      } else {
        status = "Not Eligible to Vote";
      }
      document.getElementById("voterName").innerHTML = name;
      document.getElementById("voterAge").innerHTML = age;
      document.getElementById("voterStatus").innerHTML = status;
    }
  </script>
</head>
<body onload="getVoterDetails()">
  <h2>Voter Information</h2>
  <table>
    <tr>
      <th>Name</th>
      <th>Age</th>
```



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

```
<th>Voting Status</th>
</tr>
<tr>
  <td id="voterName"></td>
  <td id="voterAge"></td>
  <td id="voterStatus"></td>
</tr>
</table>
</body>
</html>
```

Output:

The screenshot shows two side-by-side input forms. The left form is titled 'This page says' and has a label 'Enter your name:' above a text input field containing 'Ganesh'. Below the input field are two buttons: 'OK' and 'Cancel'. The right form is also titled 'This page says' and has a label 'Enter your age:' above a text input field containing '26'. Below the input field are two buttons: 'OK' and 'Cancel'.

Voter Information

Name	Age	Voting Status
Ganesh	26	Eligible to Vote

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:7A

Date:

Aim:

Description:



Program:

```
<!DOCTYPE html>
<html>
<head>
  <title>Document Object Demo</title>
</head>
<body>
  <h2 id="heading">Welcome to JavaScript</h2>
  <p>This program demonstrates document object properties and methods.</p>
  <button onclick="showDetails()">Click Me</button>
  <script>
    function showDetails() {
      // Using document object properties
      document.bgColor = "lightyellow";
      document.title = "Document Object Example";
      // Using document object methods
      var headText = document.getElementById("heading");
      headText.innerHTML = "Document Object in Action!";
      headText.style.color = "blue";
      // Displaying information using document.write
      document.write("<h3>Document URL: </h3>" + document.URL);
      document.write("<br><h3>Last Modified: </h3>" + document.lastModified);
    }
  </script>
</body>
</html>
```



Output:

Welcome to JavaScript

This program demonstrates document object properties and methods.

[Click Me](#)

Document URL:

`file:///C:/Users/USER/Desktop/SITAMS/FSD/RECORD/TASK-5/7a.html`

Last Modified:

02/23/2026 14:16:33

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:7B

Date:

Aim:

Description:



Program:

```
<!DOCTYPE html>
<html>
<head>
  <title>Window Object Demo</title>
</head>
<body>
  <h2>Window Object Example</h2>
  <button onclick="showWindowInfo()">Show Window Info</button>
  <button onclick="openNewWindow()">Open New Window</button>
  <button onclick="closeWindow()">Close New Window</button>
  <script>
    var myWindow;
    function showWindowInfo() {
      // Window object properties
      alert("Screen Width: " + window.screen.width);
      alert("Screen Height: " + window.screen.height);
      alert("Window Inner Width: " + window.innerWidth);
      alert("Window Inner Height: " + window.innerHeight);
    }
    function openNewWindow() {
      // Window object method
      myWindow = window.open("", "", "width=300,height=200");
      myWindow.document.write("<h3>This is a new window</h3>");
    }
    function closeWindow() {
      // Window object method
      if (myWindow) {
        myWindow.close();
      }
    }
  </script>
</body>
</html>
```



Output:

Window Object Example

Show Window Info

Open New Window

Close New Window

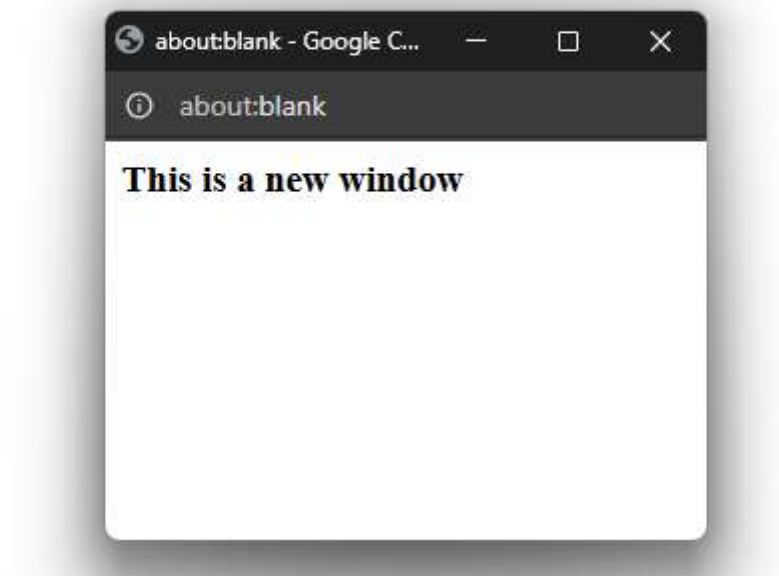


Window Object Example

Show Window Info

Open New Window

Close New Window



Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:7C

Date:

Aim:

Description:



Program:

```
<!DOCTYPE html>
<html>
<head>
  <title>Array Object Demo</title>
</head>
<body>
  <h2>Array Object Example</h2>
  <button onclick="arrayDemo()">Show Array Operations</button>
  <p id="output"></p>
  <script>
    function arrayDemo() {
      // Creating an array
      var fruits = ["Apple", "Banana", "Mango"];
      // Array object property
      var lengthOfArray = fruits.length;
      // Array object methods
      fruits.push("Orange");
      fruits.pop();
      fruits.unshift("Grapes");
      fruits.sort();
      // Display result
      document.getElementById("output").innerHTML = "Array Elements: " + fruits +
"<br>" +
      "Array Length: " + lengthOfArray;
    }
  </script>
</body>
</html>
```

Output:

Array Object Example

Show Array Operations

Array Elements: Apple,Banana,Grapes,Mango

Array Length: 3

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:7D

Date:

Aim:

Description:



Program:

```
<html>
<head>
  <title>Math Object Demo</title>
</head>
<body>
  <h2>Math Object Example</h2>
  <button onclick="mathDemo()">Show Math Operations</button>
  <p id="result"></p>
  <script>
    function mathDemo() {
      var num = 4.7;
      // Math object properties
      var piValue = Math.PI;
      // Math object methods
      var roundValue = Math.round(num);
      var sqrtValue = Math.sqrt(16);
      var powerValue = Math.pow(2, 3);
      var randomValue = Math.random();
      document.getElementById("result").innerHTML =
        "Value of PI: " + piValue + "<br>" +
        "Rounded value of 4.7: " + roundValue + "<br>" +
        "Square root of 16: " + sqrtValue + "<br>" +
        "2 power 3: " + powerValue + "<br>" +
        "Random number: " + randomValue;
    }
  </script>
</body>
</html>
```

Output:

Math Object Example

Show Math Operations

Value of PI: 3.141592653589793

Rounded value of 4.7: 5

Square root of 16: 4

2 power 3: 8

Random number: 0.4023758442870481

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:7E

Date:

Aim:

Description:



Program:

```
<!DOCTYPE html>
<html>
<head>
  <title>String Object Demo</title>
</head>
<body>
  <h2>String Object Example</h2>
  <button onclick="stringDemo()">Show String Operations</button>
  <p id="output"></p>
  <script>
    function stringDemo() {
      // Creating a string
      var text = "JavaScript Programming";
      // String object property
      var lengthOfString = text.length;
      // String object methods
      var upperCaseText = text.toUpperCase();
      var lowerCaseText = text.toLowerCase();
      var subText = text.substring(0, 10);
      var position = text.indexOf("Program");
      // Display result
      document.getElementById("output").innerHTML =
        "Original String: " + text + "<br>" +
        "String Length: " + lengthOfString + "<br>" +
        "Uppercase: " + upperCaseText + "<br>" +
        "Lowercase: " + lowerCaseText + "<br>" +
        "Substring (0-10): " + subText + "<br>" +
        "Position of 'Program': " + position;
    }
  </script>
</body>
</html>
```



Output:

String Object Example

Show String Operations

Original String: JavaScript Programming

String Length: 22

Uppercase: JAVASCRIPT PROGRAMMING

Lowercase: javascript programming

Substring (0-10): JavaScript

Position of 'Program': 11

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:7F

Date:

Aim:

Description:



Program:

```
<html>
<head>
  <title>RegExp Object Demo</title>
</head>
<body>
  <h2>RegExp Object Example</h2>
  <button onclick="regexDemo()">Check Pattern</button>
  <p id="output"></p>
  <script>
    function regexDemo() {
      // Creating a RegExp object
      var pattern = /JavaScript/i;
      var text = "I am learning JavaScript programming";
      // RegExp object property
      var isGlobal = pattern.global;
      // RegExp object methods
      var testResult = pattern.test(text);
      var execResult = pattern.exec(text);
      document.getElementById("output").innerHTML =
        "Text: " + text + "<br>" +
        "Pattern: /JavaScript/i <br>" +
        "Global Property: " + isGlobal + "<br>" +
        "Test Result: " + testResult + "<br>" +
        "Exec Result: " + execResult;
    }
  </script>
</body>
</html>
```

Output:

RegExp Object Example

Check Pattern

Text: I am learning JavaScript programming
Pattern: /JavaScript/i
Global Property: false
Test Result: true
Exec Result: JavaScript

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:7G

Date:

Aim:

Description:



Program:

```
<!DOCTYPE html>
<html>
<head>
  <title>Date Object Demo</title>
</head>
<body>
  <h2>Date Object Example</h2>
  <button onclick="dateDemo()">Show Date Details</button>
  <p id="output"></p>
  <script>
    function dateDemo() {
      // Creating Date object
      var today = new Date();
      // Date object methods
      var day = today.getDate();
      var month = today.getMonth() + 1; // Months start from 0
      var year = today.getFullYear();
      var hours = today.getHours();
      var minutes = today.getMinutes();
      var seconds = today.getSeconds();
      // Date object property (timestamp)
      var timeValue = today.getTime();
      document.getElementById("output").innerHTML =
        "Current Date: " + today + "<br>" +
        "Day: " + day + "<br>" +
        "Month: " + month + "<br>" +
        "Year: " + year + "<br>" +
        "Time: " + hours + ":" + minutes + ":" + seconds + "<br>" +
        "Time in milliseconds: " + timeValue;
    }
  </script>
</body>
</html>
```



Output:

Date Object Example

Show Date Details

Current Date: Mon Feb 23 2026 14:46:32 GMT+0530 (India Standard Time)

Day: 23

Month: 2

Year: 2026

Time: 14:46:32

Time in milliseconds: 1771838192066

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:7H

Date:

Aim:

Description:



Program:

```
<!DOCTYPE html>
<html>
<head>
  <title>User Defined Object</title>
</head>
<body>
  <h2>User Defined Object Example</h2>
  <button onclick="showStudent()">Display Student Details</button>
  <p id="output"></p>
  <script>
    // Constructor function
    function Student(name, marks) {
      // Properties
      this.name = name;
      this.marks = marks;
      // Method
      this.getResult = function () {
        return (this.marks >= 40) ? "Pass" : "Fail";
      };
    }
    // Creating object using constructor
    var student1 = new Student("Rahul", 75);
    // Accessor (Getter)
    Object.defineProperty(student1, "studentName", {
      get: function () {
        return this.name;
      }
    });
    // Accessor (Setter)
    Object.defineProperty(student1, "studentMarks", {
      set: function (value) {
        this.marks = value;
      }
    });
    function showStudent() {
      // Using setter
      student1.studentMarks = 85;
      // Displaying object details
      document.getElementById("output").innerHTML =
        "Name: " + student1.studentName + "<br>" +
        "Marks: " + student1.marks + "<br>" +
        "Result: " + student1.getResult();
    }
  </script>
</body>
</html>
```



```
}  
</script>  
</body>  
</html>
```

Output:

User Defined Object Example

Display Student Details

Name: Rahul
Marks: 85
Result: Pass

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:8A

Date:

Aim:

Description:



Program:

```
<html>
<head>
  <title>Larger Number Program</title>
</head>
<body>
<script>
  // Ask user for three integers
  var a = parseInt(prompt("Enter first integer:"));
  var b = parseInt(prompt("Enter second integer:"));
  var c = parseInt(prompt("Enter third integer:"));
  // Check conditions
  if (a === b && b === c) {
    alert("<h3>EQUAL NUMBERS</h3>");
    document.write("<h3>EQUAL NUMBERS</h3>");
  } else {
    var larger = Math.max(a, b, c);
    alert(larger + " IS THE LARGER NUMBER");
    document.write("<h3>" + larger + " LARGER NUMBER</h3>");
  }
</script>
</body>
</html>
```

Output:

The image displays two sequential screenshots of a web browser interface. The top screenshot shows a dialog box titled "This page says" with the prompt "Enter first integer:". The input field contains the number "65", and there are "OK" and "Cancel" buttons below it. The bottom screenshot shows a similar dialog box titled "This page says" with the prompt "Enter second integer:". The input field contains the number "25", and there are "OK" and "Cancel" buttons below it.



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This page says

Enter third integer:

OK Cancel

This page says

75 IS THE LARGER NUMBER

OK

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:8B

Date:

Aim:

Description:



Program:

```
<!DOCTYPE html>
<html>
<head>
  <title>Week Days</title>
</head>
<body>
<script>
  var day = parseInt(prompt("Enter a number (1 to 7):"));

  switch(day) {
    case 1:
      document.write("Sunday");
      break;
    case 2:
      document.write("Monday");
      break;
    case 3:
      document.write("Tuesday");
      break;
    case 4:
      document.write("Wednesday");
      break;
    case 5:
      document.write("Thursday");
      break;
    case 6:
      document.write("Friday");
      break;
    case 7:
      document.write("Saturday");
      break;
    default:
      document.write("Invalid input! Enter 1 to 7 only.");
  }
</script>
</body>
</html>
```



Output:

This page says

Enter a number (1 to 7):

Friday

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:8C

Date:

Aim:

Description:



Program:

```
<!DOCTYPE html>
<html>
<head>
  <title>Loops Example</title>
</head>
<body>
<h2>Using FOR Loop</h2>
<script>
  for (var i = 1; i <= 10; i++) {
    document.write(i + " ");
  }
</script>
<hr>
<h2>Using WHILE Loop</h2>
<script>
  var j = 1;
  while (j <= 10) {
    document.write(j + " ");
    j++;
  }
</script>
<hr>
<h2>Using DO-WHILE Loop</h2>
<script>
  var k = 1;
  do {
    document.write(k + " ");
    k++;
  } while (k <= 10);
</script>
</body>
</html>
```



Output:

Using FOR Loop

1 2 3 4 5 6 7 8 9 10

Using WHILE Loop

1 2 3 4 5 6 7 8 9 10

Using DO-WHILE Loop

1 2 3 4 5 6 7 8 9 10

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:8D

Date:

Aim:

Description:



Program:

```
<html>
<head>
  <title>Object Loops</title>
</head>
<body>
<h2>Using for-in Loop</h2>
<script>
  var student = {
    name: "Rahul",
    age: 20,
    course: "BCA",
    city: "Chittoor"
  };
  for (var key in student) {
    document.write(key + " : " + student[key] + "<br>");
  }
</script>
<hr>
<h2>Using for-each Loop</h2>
<script>
  Object.entries(student).forEach(function(item) {
    document.write(item[0] + " : " + item[1] + "<br>");
  });
</script>
<hr>
<h2>Using for-of Loop</h2>
<script>
  for (var item of Object.entries(student)) {
    document.write(item[0] + " : " + item[1] + "<br>");
  }
</script>
</body>
</html>
```



Output:

Using for-in Loop

name : Rahul
age : 20
course : BCA
city : Chittoor

Using for-each Loop

name : Rahul
age : 20
course : BCA
city : Chittoor

Using for-of Loop

name : Rahul
age : 20
course : BCA
city : Chittoor

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:8E

Date:

Aim:

Description:



Program:

```
<html>
<head>
  <title>Armstrong Number</title>
</head>
<body>
<script>
  var num = parseInt(prompt("Enter a number:"));
  var temp = num;
  var sum = 0;
  var digit;
  while (temp > 0) {
    digit = temp % 10;
    sum = sum + (digit * digit * digit);
    temp = Math.floor(temp / 10);
  }
  if (sum === num) {
    document.write("<h2>" + num + " is an ARMSTRONG NUMBER</h2>");
  } else {
    document.write("<h2>" + num + " is NOT an ARMSTRONG NUMBER</h2>");
  }
</script>
</body>
</html>
```

Output:

The screenshot shows a dark-themed browser dialog box with the title "This page says". Inside the dialog, there is a text input field with the label "Enter a number:" and the value "52". Below the input field are two buttons: "OK" and "Cancel".

52 is NOT an ARMSTRONG NUMBER

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:8F

Date:

Aim:

Description:



Program:

```
<html>
<head>
  <title>Denomination of Amount</title>
</head>
<body>
<script>
  var amount = parseInt(prompt("Enter the deposited amount (in Rs:"));
  var hundreds = Math.floor(amount / 100);
  amount = amount % 100;
  var fifties = Math.floor(amount / 50);
  amount = amount % 50;
  var twenties = Math.floor(amount / 20);
  amount = amount % 20;
  var tens = Math.floor(amount / 10);
  amount = amount % 10;
  var fives = Math.floor(amount / 5);
  amount = amount % 5;
  var twos = Math.floor(amount / 2);
  amount = amount % 2;
  var ones = amount;
  document.write("<h2>Denomination Details</h2>");
  document.write(hundreds + " - 100's<br>");
  document.write(fifties + " - 50's<br>");
  document.write(twenties + " - 20's<br>");
  document.write(tens + " - 10's<br>");
  document.write(fives + " - 5's<br>");
  document.write(twos + " - 2's<br>");
  document.write(ones + " - 1's<br>");
</script>
</body>
</html>
```



Output:

This page says

Enter the deposited amount (in Rs):

OK Cancel

Denomination Details

420 - 100's
0 - 50's
0 - 20's
0 - 10's
0 - 5's
0 - 2's
0 - 1's

Result:



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:9A

Date:

Aim:

Description:



Program:

```
<html>
<head>
  <title>Number Functions</title>
</head>
<body>
<h2>Number Operations Using Functions</h2>
<script>
  var num = parseInt(prompt("Enter a number:"));
  // Function to find factorial
  function factorial(n) {
    var fact = 1;
    for (var i = 1; i <= n; i++) {
      fact = fact * i;
    }
    document.write("Factorial of " + n + " = " + fact + "<br><br>");
  }
  // Function to print Fibonacci series
  function fibonacci(n) {
    var a = 0, b = 1, c;
    document.write("Fibonacci series up to " + n + " :<br>");
    while (a <= n) {
      document.write(a + " ");
      c = a + b;
      a = b;
      b = c;
    }
    document.write("<br><br>");
  }
  // Function to print prime numbers
  function primeNumbers(n) {
    document.write("Prime numbers up to " + n + " :<br>");
    for (var i = 2; i <= n; i++) {
      var count = 0;
      for (var j = 1; j <= i; j++) {
        if (i % j === 0) {
          count++;
        }
      }
      if (count === 2) {
        document.write(i + " ");
      }
    }
  }
</script>
</body>
</html>
```



```
}
document.write("<br><br>");
}
// Function to check palindrome
function palindrome(n) {
    var temp = n;
    var rev = 0;
    while (temp > 0) {
        rev = rev * 10 + (temp % 10);
        temp = Math.floor(temp / 10);
    }
    if (rev === n) {
        document.write(n + " is a Palindrome number<br>");
    } else {
        document.write(n + " is NOT a Palindrome number<br>");
    }
}
// Function calls
factorial(num);
fibonacci(num);
primeNumbers(num);
palindrome(num);
</script>
</body>
</html>
```

Output:

This page says

Enter a number:

OK Cancel



Number Operations Using Functions

Factorial of 25 = 1.5511210043330986e+25

Fibonacci series up to 25:

0 1 1 2 3 5 8 13 21

Prime numbers up to 25:

2 3 5 7 11 13 17 19 23

25 is NOT a Palindrome number

Result:



**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT
STUDIES, CHITTOOR-517127, A.P.**

(Autonomous)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:9B

Date:

Aim:

Description:



Program:

```
<html>
<head>
  <title>Number Operations</title>
  <style>
    body {
      font-family: Arial;
      text-align: center;
      margin-top: 50px;
    }
    input {
      padding: 8px;
      font-size: 16px;
    }
    button {
      padding: 10px 15px;
      margin: 5px;
      font-size: 15px;
      cursor: pointer;
    }
    #output {
      margin-top: 20px;
      font-size: 18px;
      font-weight: bold;
    }
  </style>
</head>
<body>
  <h2>Number Operations</h2>
  <input type="text" id="num" placeholder="Enter a number"><br><br>
  <button onclick="factorial()">Factorial</button>
  <button onclick="fibonacci()">Fibonacci</button>
  <button onclick="prime()">Prime</button>
  <button onclick="palindrome()">Palindrome</button>
  <div id="output"></div>
  <script>
    function getNumber() {
      return parseInt(document.getElementById("num").value);
    }
    function factorial() {
      var n = getNumber();
      var fact = 1;
      for (var i = 1; i <= n; i++) {
```



```
    fact *= i;
}
document.getElementById("output").innerHTML =
    "Factorial of " + n + " = " + fact;
}
function fibonacci() {
    var n = getNumber();
    var a = 0, b = 1, c;
    var result = "Fibonacci series up to " + n + "<br>";
    while (a <= n) {
        result += a + " ";
        c = a + b;
        a = b;
        b = c;
    }
    document.getElementById("output").innerHTML = result;
}
function prime() {
    var n = getNumber();
    var result = "Prime numbers up to " + n + "<br>";
    for (var i = 2; i <= n; i++) {
        var count = 0;
        for (var j = 1; j <= i; j++) {
            if (i % j === 0) count++;
        }
        if (count === 2) result += i + " ";
    }
    document.getElementById("output").innerHTML = result;
}
function palindrome() {
    var n = getNumber();
    var temp = n, rev = 0;
    while (temp > 0) {
        rev = rev * 10 + (temp % 10);
        temp = Math.floor(temp / 10);
    }
    if (rev === n)
        document.getElementById("output").innerHTML =
            n + " is a Palindrome number";
    else
        document.getElementById("output").innerHTML =
            n + " is NOT a Palindrome number";
}
```



`</script>`

`</body>`

`</html>`

Output:

Number Operations

Factorial of 5 = 120

Number Operations

Prime numbers up to 5:

2 3 5

Number Operations

5 is a Palindrome number

Result:



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STUDIES, CHITTOOR-517127, A.P.**

(Autonomous)

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Task No:9C

Date:

Aim:

Description:



Program:

```
<html>
<head>
  <title>Registration Validation</title>
  <style>
    body {
      font-family: Arial;
      margin-top: 50px;
      text-align: center;
    }
    input {
      padding: 6px;
      margin: 6px;
      width: 250px;
    }
    button {
      padding: 8px 15px;
    }
    .error {
      color: red;
      font-weight: bold;
    }
    .success {
      color: green;
      font-weight: bold;
    }
  </style>
</head>
<body>
```



<h2>Registration Form</h2>

```
<form onsubmit="return validateForm()">
```

```
  <input type="text" id="name" placeholder="Enter Name"><br>
```

```
  <input type="text" id="mobile" placeholder="Enter Mobile Number"><br>
```

```
  <input type="text" id="email" placeholder="Enter Email"><br><br>
```

```
  <button type="submit">Register</button>
```

```
</form>
```

```
<p id="msg"></p>
```

```
<script>
```

```
  function validateForm() {
```

```
    var name = document.getElementById("name").value;
```

```
    var mobile = document.getElementById("mobile").value;
```

```
    var email = document.getElementById("email").value;
```

```
    // Name: start with alphabet, alphanumeric, min length 6
```

```
    var namePattern = /^[A-Za-z][A-Za-z0-9]{5,}$/;
```

```
    // Mobile: only digits, exactly 10 numbers
```

```
    var mobilePattern = /^[0-9]{10}$/;
```

```
    // Email: xxxxxxxx@xxxxxx.xxx
```

```
    var emailPattern = /^[a-zA-Z0-9._]+@[a-zA-Z0-9]+\.[a-zA-Z]{2,3}$/;
```

```
    if (!namePattern.test(name)) {
```

```
      document.getElementById("msg").innerHTML =
```

```
        "Invalid Name";
```

```
      document.getElementById("msg").className = "error";
```

```
      return false;
```

```
    }
```

```
    if (!mobilePattern.test(mobile)) {
```

```
      document.getElementById("msg").innerHTML =
```

```
        "Invalid Mobile Number";
```

```
      document.getElementById("msg").className = "error";
```



```
return false;
}
if (!emailPattern.test(email)) {
    document.getElementById("msg").innerHTML =
        "Invalid Email ID";
    document.getElementById("msg").className = "error";
    return false;
}
document.getElementById("msg").innerHTML =
    "Registration Successful";
document.getElementById("msg").className = "success";
return false;
}
</script>
</body>
</html>
```

Output:

Registration Form

<input type="text" value="suresh"/>
<input type="text" value="6554522"/>
<input type="text" value="suresh@sitams.in"/>
<input type="button" value="Register"/>

Invalid Mobile Number

Result:

RUBRICS FOR **FULL STACK DEVELOPMENT-I** LAB

	Excellent(3)	Good(2)	Fair(1)
Conduct Experiments (CO1)	Student successfully completes the experiment, records the data, analyzes the experiment's main topics, and explains the experiment concisely and well.	Student successfully completes the experiment, records the data, and analyzes the experiment's main topics	Student successfully completes the experiment, records the data, and unable to analyzes.
Analysis and Synthesis (CO2)	Thorough analysis of Program designed	Reasonable analysis Program designed	Improper analysis of Program designed
Design (CO3)	Student understands what needs to be tested and designs an appropriate experiment, and explains the experiment concisely and well.	Student understands what needs to be tested and designs an appropriate experiment.	Student understands what needs to be tested and does not design an appropriate experiment.
Complex Analysis & Conclusion (CO4)	Thorough comprehension through analysis/ synthesis	Reasonable comprehension through analysis/ synthesis	Improper comprehension through analysis/ synthesis
Use modern tools in engineering practice (CO5)	Student uses the tools to measure correctly, and understands the limitations of the hardware.	Student uses the tools to measure correctly.	Student uses the tools correctly, and unable to measure properly.
Report Writing (CO6)	Status report with clear and logical sequence of parameter using excellent language	Status report with logical sequence of parameter using understandable language	Status report not properly organized
Lab safety (CO7)	Student will demonstrate good understanding and follow lab safety	Student will demonstrate good understanding of lab safety	Students demonstrate a little knowledge of lab Safety.
Ability to work In teams (CO8)	Performance on teams is excellent with clear evidence of equal distribution of tasks and effort	Performance on teams is good with equal distribution of tasks and effort	Performance on teams is acceptable with one or more members carrying a larger amount of the effort
Continuous learning (CO9)	Highly enthusiastic towards continuous learning	Interested in continuous learning	Inadequate interest in continuous learning

COMPLETION SIGNATURE OF THE FACULTY