

HTML LAB



Prepared by:

Name of Student : Sparsh Sharma

Roll No: 37

Batch: 2023-27

Dept. of CSE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that Mr. / Ms. _____

Roll No. _____ Semester _____ of B.Tech Computer Science & Engineering, ITM Skills University, Kharghar, Navi Mumbai , has completed the term work satisfactorily in subject _____ for the academic year 20____ - 20____ as prescribed in the curriculum.

Place: _____

Date: _____

Subject I/C

HOD

Exp . No	List of Experiment	Date of Submission	Sign																								
1	Design a page having suitable background colour and text colour with title "My First Web Page" using all the attributes of the Font tag.																										
2	Create a HTML document giving details of your [Name, Age], [Address, Phone] and [Register Number, Class] aligned in proper order using alignment attributes of Paragraph tag.																										
3	Create a web page with an appropriate image towards the left hand side of the page, when user clicks on the image another web page should open.																										
4	Create a web page for internal links; when the user clicks on different links on the web page it should go to the appropriate locations/sections in the same page.																										
5	Create a HTML document containing a nested list showing a content page of any book.																										
6	Create a web page, showing an unordered list of names of all the PG Diploma Programmes (Branches) in your institution.																										
7	Create the following table in HTML with following Data for your batch:	<table border="1" data-bbox="247 1253 1081 1507"> <thead> <tr> <th data-bbox="247 1253 446 1320">Reg. Number</th><th data-bbox="446 1253 660 1320">Student Name</th><th data-bbox="660 1253 874 1320">Year/Semester</th><th data-bbox="874 1253 1081 1320">Date of Admission</th></tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> </tbody> </table>	Reg. Number	Student Name	Year/Semester	Date of Admission																					
Reg. Number	Student Name	Year/Semester	Date of Admission																								
8	Create a web page which divides the page in two equal frames and place the audio and video clips in frame-1 and frame-2 respectively.																										
	<table border="1" data-bbox="247 1697 1081 1799"> <tr> <td data-bbox="247 1697 660 1742">FRAME-1</td><td data-bbox="660 1697 1081 1742">FRAME-2</td></tr> <tr><td></td><td></td></tr> </table>	FRAME-1	FRAME-2																								
FRAME-1	FRAME-2																										
9	1. Use frames such that page is divided into 3 frames 20% on left to show contents of pages, 60% in center to show body of page, remaining on right to show remarks.																										

10	<p>Create an HTML page that contains a selection box with a list of 5 countries, when the user selects a country, its capital should be printed next to the list; Add CSS to customize the properties of the font of the capital (color, bold and font size).</p>		
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Name of Student: Sparsh Sharma

Roll Number: 37

Experiment No: 1

Title: Design a page having suitable background colour and text colour with title “My First Web Page” using all the attributes of the Font tag.

Theory: The tag was used to specify the font family, font size, and color of text. It can be modified by CSS and can be changed for a specific element(inline CSS), a specific page(internal CSS), and for the whole website(external CSS).

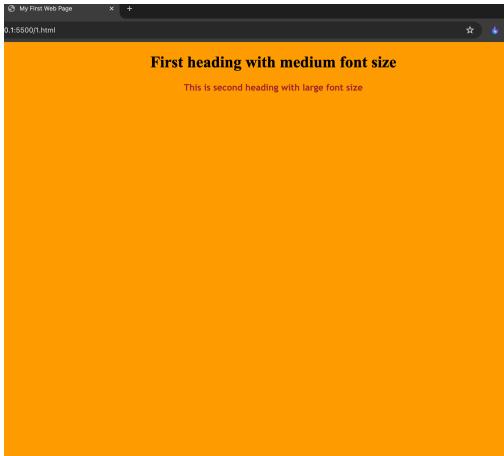
Code:

```
<!-- Design a page having suitable background colour and text
colour with title "My First Web Page" using all the attributes of
the Font tag. -->
<!DOCTYPE html>
<html lang="en">

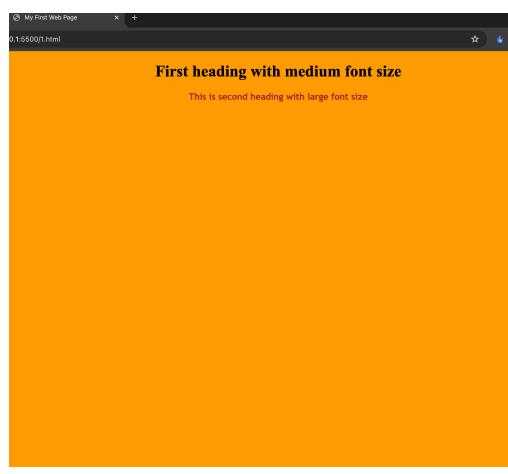
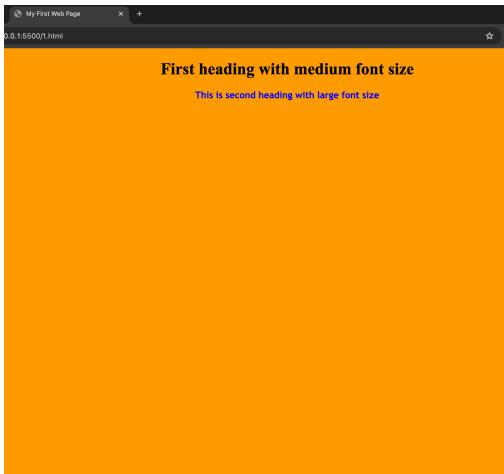
<head>
  <meta charset="UTF-8">
  <link href="style.css" rel="stylesheet">
  <meta name="viewport" content="width=device-width,
initialscale=1.0">
  <title>My First Web Page</title>

</head>
<body style="background-color: rgb(255, 157, 0); align="center">
  <h1 style="font-family: 'Times New Roman', Times, serif;
  font-size: medium; color: black;"> First heading with medium font
size</h1>
  <h2 style="font-family: 'Trebuchet MS', 'Lucida Sans Unicode',
'Lucida Grande', 'Lucida Sans', Arial, sans-serif;
  font-size: large; color: brown;">This is second heading with large
font size</h2>
</body>
</html>
```

Output: (screenshot)



Test Case: Any two (screenshot)



Conclusion: The conclusion is , using tag, we can change the font type, font size and colour of the text in any element of the document.

Name of Student: Sparsh Sharma

Roll Number: 37

Experiment No: 2

Title: : Create a HTML document giving details of your [Name, Age], [Address, Phone] and [Register Number, Class] aligned in proper order using alignment attributes of Paragraph tag.

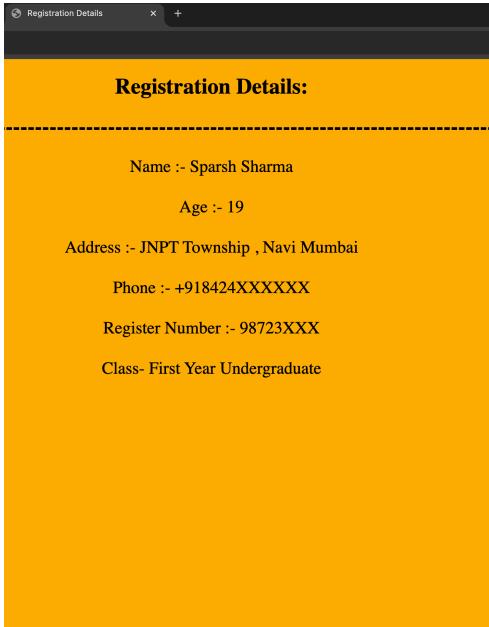
Theory: **< p >** tag is used to define a paragraph. Browsers automatically add a single blank line before and after each element. tag is used to align the contents of the element in the document; it can be used to align the content to the left side, right side, and in the centre of the browser screen.

Code:

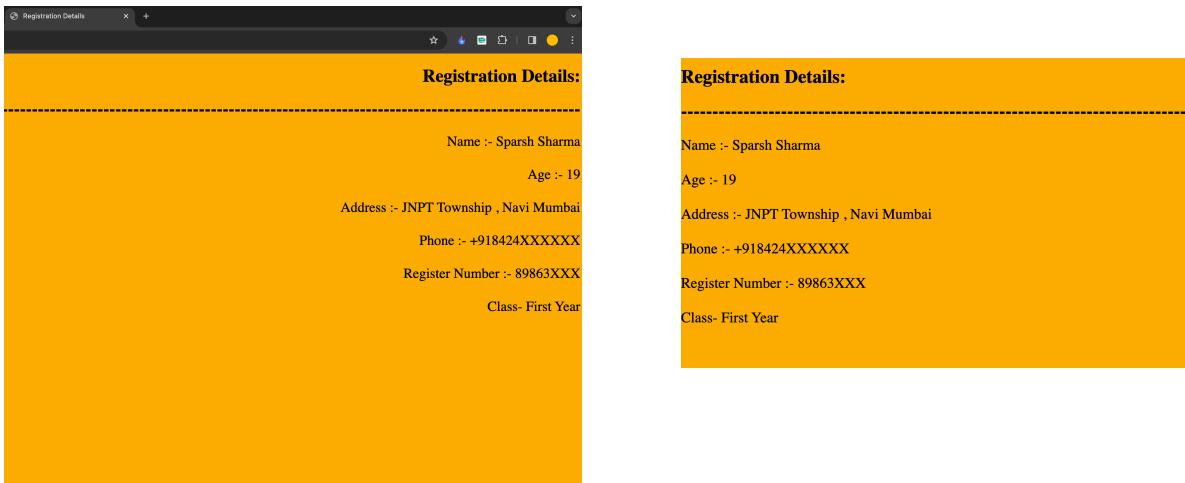
```
<!-- Create a HTML document giving details of your [Name, Age],  
[Address, Phone] and [Register Number, Class] aligned in proper  
order using alignment attributes of Paragraph tag. -->  
<!DOCTYPE html>  
<html lang="en">  
  <head>  
    <meta charset="UTF-8" />  
    <link href="style.css" rel="stylesheet" />  
    <meta name="viewport" content="width=device-width,  
initialscale=1.0" />  
    <title>Registration Details</title>  
  </head>  
  <body style="background-color: rgb(255, 174, 0)">  
    <h1 align="center">Registration Details:</h1>  
  
<h1>  
-----  
-----</h1>  
    <p align="center" style="font-size: 25px">  
      Name :- Sparsh Sharma<br /> <br />Age :- 19 <br /><br />  
      >Address :- JNPT Township , Navi  
Mumbai  
      <br /><br />Phone :- +918424XXXXXX<br /><br />Register Number :-  
89863XXX<br />  
      ><br />Class- First  
      Year
```

```
</p>
</body>
</html>
```

Output: (screenshot)



Test Case: Any two (screenshot)



Conclusion: : The conclusion is , using tag, we can align the contents of the element and various other elements as well in respect to the browser window.

Name of Student: Sparsh Sharma

Roll Number: 37

Experiment No: 3

Title: Create a web page with an appropriate image towards the left hand side of the page, when user clicks on the image another web page should open.

Theory: <p> tag is used to embed an image in an HTML page, it consists of the path of the image and alt description of the image, in case the image doesn't load, the alt is used to describe the image on the website. tag is used to link a web page inside another webpage and consists of the destination link of the webpage to embed.

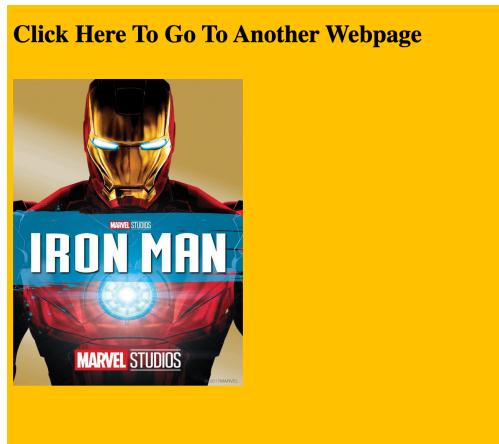
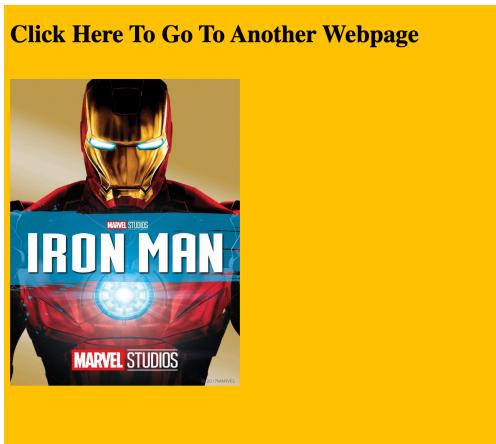
Code:

```
<!-- Create a web page with an appropriate image towards the left  
hand [REDACTED]  
side of the page, when user clicks on the image another web page  
should open. -->  
<!DOCTYPE html>  
<html lang="en">  
  <head>[REDACTED]  
    <meta charset="UTF-8" />  
    <meta name="viewport" content="width=device-width,  
initialscale=1.0" />[REDACTED]  
    <title>Image to another webpage</title>  
  </head>[REDACTED]  
  <body style="background-color: rgb(255, 196, 0)">  
    <h1>Click Here To Go To Another Webpage</h1>  
    <br />[REDACTED]  
    <a href="https://en.wikipedia.org/wiki/Iron_Man " target="_blank">[REDACTED]  
      </a>[REDACTED]  
  </body>  
</html>
```

Output: (screenshot)



Test Case: Any two (screenshot)



Conclusion:

The conclusion is , using and tags, we can embed an image in the webpage, which when clicked, leads to another webpage.

Name of Student: Sparsh Sharma

Roll Number: 37

Experiment No: 4

Title: : Create a web page for internal links; when the user clicks on different links on the web page it should go to the appropriate locations/sections in the same page.

Theory: Using id to tag the different parts of the webpage and using tag with href with #id to go to various locations or sections in the same webpage.

Code:

```
<!DOCTYPE html>
<html>

<head>
    <title>Resume</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #eaa80f;
            ;
            margin: 0;
            padding: 0;
        }

        nav {
            background-color: #e9a906;
            padding: 10px;
            text-align: center;
        }

        h1 {
            margin: 0;
            color: #333;
        }

        img {
            display: block;
            margin: 0 auto;
        }
    </style>
</head>
<body>
    <nav>
        <a href="#about">About</a>
        <a href="#experience">Experience</a>
        <a href="#education">Education</a>
    </nav>
    <h1>Sparsh Sharma</h1>
    <p>Software Developer</p>
    
    <h2>About</h2>
    <p>I am a Software Developer with a passion for building efficient and user-friendly applications. I have experience working with various programming languages and frameworks, including Python, Java, and React. I am always looking for opportunities to learn and grow in my field.</p>
    <h2>Experience</h2>
    <ul>
        <li>Software Developer at TechCorp - Present</li>
        <li>Software Developer Intern at Google - Previous</li>
    </ul>
    <h2>Education</h2>
    <ul>
        <li>Bachelor's Degree in Computer Science from XYZ University - Present</li>
        <li>High School Diploma from ABC High School - Previous</li>
    </ul>
</body>

```

```
        border-radius: 50%;  
    }  
  
hr {  
    border: 0;  
    border-top: 1px solid #ff0000;  
    margin: 10px 0;  
}  
  
section {  
    margin: 20px;  
    padding: 10px;  
    background-color: #fff;  
    border-radius: 5px;  
    box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);  
}  
  
ul {  
    list-style-type: none;  
    padding: 0;  
}  
  
ul li {  
    margin-bottom: 10px;  
}  
  
table {  
    width: 100%;  
    border-collapse: collapse;  
}  
  
th,  
td {  
    border: 1px solid #d9960f;  
    padding: 8px;  
    text-align: left;  
}  
  
th {  
    background-color: #e3f20b;  
}  
    
```

</style>

```
</head>  
  
<body>  
    <nav>  
        <br>  
        <h1>Sparsh Sharma</h1>  
    </nav>  
    <section>  
        
```

```
<p><strong>Mobile No :- </strong> 8989921458</p>
<p><strong>Address :- </strong> ITM SKILLS UNIVERSITY</p>
<p><strong>Email Id :- </strong> <a href="2023.sparshs@isu.ac.in">2023.sparshs@isu.ac.in</a></p>
<p><strong>Github :- </strong> <a href="https://github.com/itsparsh10">itsparsh10</a></p>
<p><strong>LinkedIn :- </strong> <a href="https://www.linkedin.com/in/sparsh-sharma-9ab198284/">Sparsh Sharma</a></p>
<p><strong>Twitter :- </strong> <a href="https://twitter.com/SparshSharma13992">Sparsh Sharma</a></p>
```

```
<hr>
<h2>Career Objective:</h2>
<p>Student at ITM University 🎓 || C , C++ , Python , DSA  
|| Innovative CS Student 🚀🚀 || Passionate About Algorithms, AI  
🤖 , and Software Development</p>
<hr>
<h2>Academic Qualification:</h2>
<ul>
    <li>12th from Prathibha Srajan Peeth</li>
    <li>10th from K V Bina</li>
</ul>
<hr>
<h2>Professional Skills:</h2>
<ul>
    <li> Languages:
        <br>
        <br>
        <ol>
            <li>C++</li>
            <li>App Sheet</li>
            <li>Wix</li>
            <li>Scratch</li>
            <li>Python</li>
        </ol>
    </li>
</ul>
<hr>
<h2>Work Experience:</h2>
<ul>
    <li>Student</li>
</ul>
<hr>
<h2>Personal Details:</h2>
<p><strong>Date of Birth:</strong> 10-03-2005</p>
<p><strong>Languages Known:</strong> English and Hindi</p>
<p><strong>Hobbies:</strong> Tech</p>
<hr>
```

```
<h2>Educational Details:</h2>
<table>
  <thead>
    <tr>
      <th>Sr.No</th>
      <th>Board/University</th>
      <th>Year of Passing</th>
      <th>Percentage</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>1</td>
      <td>CBSE</td>
      <td>2021</td>
      <td>89.80%</td>
    </tr>
    <tr>
      <td>2</td>
      <td>MP Board</td>
      <td>2023</td>
      <td>82.00%</td>
    </tr>
    <tr>
      <td rowspan="3">3</td>
      <td rowspan="2">ISU</td>
      <td>Sem-I</td>
      <td rowspan="2">NA</td>
    </tr>
    <tr>
      <td>Sem-II</td>
    </tr>
  </tbody>
</table>
</section>
<video>
  <source src="video" type="video/mp3">
</video>
</body>

</html>
```

Output: (screenshot)

The screenshot shows a resume template with a yellow header bar. The name "Sparsh Sharma" is at the top. Below it is a circular profile picture of a young man. The resume includes sections for contact information (Mobile No, Address, Email Id, GitHub, LinkedIn, Twitter), a career objective (Student at ITM University), academic qualification (12th from Prathibha Srajan Peeth, 10th from K V Bina), and a footer with a download icon.

Sparsh Sharma

Mobile No :- 8989921458
Address :- ITM SKILLS UNIVERSITY
Email Id :- 2023.sparsh@isu.ac.in
Github :- [itsparsh10](#)
LinkedIn :- [Sparsh Sharma](#)
Twitter :- [Sparsh Sharma](#)

Career Objective:
Student at ITM University || C , C++ , Python , DSA || Innovative CS Student || Passionate About Algorithms, AI , and Software Development

Academic Qualification:
12th from Prathibha Srajan Peeth
10th from K V Bina

Test Case: Any two (screenshot)

The screenshot shows a resume template with a yellow header bar. It includes sections for academic qualification (12th from Prathibha Srajan Peeth, 10th from K V Bina), professional skills (Languages: C++, App Sheet, Wix, Scratch, Python), work experience (Student), personal details (Date of Birth: 10-03-2005, Languages Known: English and Hindi, Hobbies: Tech), and educational details (Table showing education history). A download icon is in the bottom right corner.

Academic Qualification:
12th from Prathibha Srajan Peeth
10th from K V Bina

Professional Skills:
Languages:
1. C++
2. App Sheet
3. Wix
4. Scratch
5. Python

Work Experience:
Student

Personal Details:
Date of Birth: 10-03-2005
Languages Known: English and Hindi
Hobbies: Tech

Educational Details:

Sr.No	Board/University	Year of Passing	Percentage
1	CBSE	2021	89.80%
2	MD Board	2023	89.00%

Professional Skills:

Languages:

1. C++
2. App Sheet
3. Wix
4. Scratch
5. Python

Work Experience:

Student

Personal Details:

Date of Birth: 10-03-2005

Languages Known: English and Hindi

Hobbies: Tech

Educational Details:

Sr.No	Board/University	Year of Passing	Percentage
1	CBSE	2021	89.80%
2	MP Board	2023	82.00%
3	ISU	Sem-I Sem-II	NA

Conclusion:

The conclusion is , using id's for different parts of the website and using tag with #id in href to go to different parts of the same webpage.

Name of Student: Sparsh Sharma

Roll Number: 37

Experiment No: 5

Title: Create a HTML document containing a nested list showing a content page of any book.

Theory: There are two types of lists in HTML- unordered and ordered lists, represented by and tags respectively. A nested list consists of list inside another list.

Code:

```
<!-- Create a HTML document containing a nested list showing a  
content [REDACTED]  
page of any book. -->  
<!DOCTYPE html>  
<html lang="en">  
  <head>  
    <meta charset="UTF-8" />  
    <meta name="viewport" content="width=device-width,  
initialscale=1.0" />  
    <title>Deep Work</title>  
  </head>  
  
<body style="background-color: rgb(255, 225, 0)">  
  <h1>Deep Work- Content Page</h1>  
  <ul>  
    <li>Chapter 1: The Idea</li>  
    <li>Chapter 2: Deep Work Is Valuable</li>  
    <li>  
      Chapter 3: Attack by Stratagem  
      <ul>  
        <li>Section 1: Deep Work Is Rare</li>  
        <li>Section 2: Adaptability</li>  
      </ul>  
    </li>  
    <li>  
      Chapter 5: Forces</li>  
      <li>Chapter 6: Weaknesses and Strengths</li>  
      <li>Chapter 7: Work Deeply</li>  
      <li>Chapter 8: Drain the Shallows</li>  
      <li>Chapter 9: Embrace Boredom</li>  
      <li>Chapter 10: Quit Social Media</li>
```

```
</ul>
</body>
</html>
```

Output: (screenshot)

Deep Work- Content Page

- Chapter 1: The Idea
- Chapter 2: Deep Work Is Valuable
- Chapter 3: Attack by Stratagem
 - Section 1: Deep Work Is Rare
 - Section 2: Adaptability
-
- Chapter 5: Forces
- Chapter 6: Weaknesses and Strengths
- Chapter 7: Work Deeply
- Chapter 8: Drain the Shallows
- Chapter 9: Embrace Boredom
- Chapter 10: Quit Social Media

Test Case: Any two (screenshot)

Deep Work - Content Page

- Chapter 1: The Idea
- Chapter 2: Deep Work Is Valuable
- Chapter 3: Attack by Stratagem
 - Section 1: Deep Work Is Rare
 - Section 2: Adaptability
 - Chapter 4: Forces
- Chapter 5: Weaknesses and Strengths
 - Chapter 6: Work Deeply
 - Chapter 7: Drain the Shallows
 - Chapter 8: Embrace Boredom
 - Chapter 9: Quit Social Media

Deep Work- Content Page

- Chapter 1: The Idea
- Chapter 2: Deep Work Is Valuable
- Chapter 3: Attack by Stratagem
 - Section 1: Deep Work Is Rare
 - Section 2: Adaptability
-
- Chapter 5: Forces
- Chapter 6: Weaknesses and Strengths
- Chapter 7: Work Deeply
- Chapter 8: Drain the Shallows
- Chapter 9: Embrace Boredom
- Chapter 10: Quit Social Media

Conclusion: The conclusion is, using or tags, we can create a nested list.

Name of Student: Sparsh Sharma

Roll Number: 37

Experiment No: 6

Title: Create a web page, showing an unordered list of names of all he PG Diploma Programmes (Branches) in your institution.

Theory: An unordered list consists of elements which are represented by squares, discs, triangles, etc.

Code:

```
<!-- Create a web page, showing an unordered list of names of all  
the PG Diploma Programmes (Branches) in your institution. -->  
<!DOCTYPE html>  
<html lang="en">  
<head>  
    <meta charset="UTF-8">  
    <meta name="viewport" content="width=device-width,  
initialscale=1.0">  
    <title>PG Diploma Programmes</title>  
    <style>  
        .container {  
            text-align: center;  
        }  
        .xyz {  
            display: inline-block;  
            text-align: left;  
        }  
        body {  
            background-color: rgb(255, 213, 0);  
        }  
        h1 {  
            text-align: center;  
        }  
        li {  
            font-size: 20px;  
        }  
    </style>  
</head>  
<body>  
    <h1>PG Diploma Programmes in ITM Skills University: </h1>  
    <div class="container">  
        <ul class="xyz">  
            <li>PG Diploma in Computer Science</li>
```

```
<li>PG Diploma in Electronics Engineering</li>
<li>PG Diploma in Mechanical Engineering</li>
<li>PG Diploma in Civil Engineering</li>
<li>PG Diploma in Chemical Engineering</li>
<li>PG Diploma in Electrical Engineering</li>
<li>PG Diploma in Information Technology</li>
</ul>
</div>
</body>
</html>
```

Output: (screenshot)

PG Diploma Programmes in ITM Skills University:

- PG Diploma in Computer Science
- PG Diploma in Electronics Engineering
- PG Diploma in Mechanical Engineering
- PG Diploma in Civil Engineering
- PG Diploma in Chemical Engineering
- PG Diploma in Electrical Engineering
- PG Diploma in Information Technology

Test Case: Any two (screenshot)

PG Diploma Programmes in ITM Skills University:

- PG Diploma in Computer Science
- PG Diploma in Electronics Engineering
- PG Diploma in Mechanical Engineering
- PG Diploma in Civil Engineering
- PG Diploma in Chemical Engineering
- PG Diploma in Electrical Engineering
- PG Diploma in Information Technology

PG Diploma Programmes in ITM Skills University:

- PG Diploma in Computer Science
- PG Diploma in Electronics Engineering
- PG Diploma in Mechanical Engineering
- PG Diploma in Civil Engineering
- PG Diploma in Chemical Engineering
- PG Diploma in Electrical Engineering
- PG Diploma in Information Technology

Conclusion: The conclusion is, using unordered list tag, we can display a list of elements.

Name of Student: Sparsh Sharma

Roll Number: 37

Experiment No: 7

Title: Create the following table in HTML with following Data for your batch:

Theory: Table in HTML is defined using tag. It consists of - for table row,

Code:

```
<!-- Create the following table in HTML with following Data for  
your  
batch:  
Reg. Number | Student Name | Year/Semester | Date of Admission -->  
<!DOCTYPE html>  
<html lang="en">  
  <head>  
    <meta charset="UTF-8" />  
    <meta name="viewport" content="width=device-width,  
initialscale=1.0" />  
    <title>Batch Details</title>  
    <style>  
      table {  
        width: 100%;  
        border-collapse: collapse;  
      }  
      th,  
      td {  
        border: 1px solid black;  
        padding: 15px;  
        text-align: left;  
      }  
      th {  
        background-color: #a8b6a8;  
        color: rgb(5, 4, 4);  
      }  
      tr:nth-child(odd) {  
        background-color: #c9d1d1;  
      }  
    </style>  
  </head>  
  <body>
```

```

<table>
  <caption>
    <h1>Batch Details</h1>
  </caption>
  <tr>
    <th>Reg. Num</th>
    <th>Student Name</th>
    <th>Year/Semester</th>
    <th>Date of Admission</th>
  </tr>
  <tr>
    <td>1</td>
    <td>Sparsh</td>
    <td>1th Year</td>
    <td>01/08/2023</td>
  </tr>
  <tr>
    <td>2</td>
    <td>James P</td>
    <td>2nd Year</td>
    <td>14/05/2022</td>
  </tr>
  <tr>
    <td>3</td>
    <td>John lee</td>
    <td>4st Year</td>
    <td>2/2/2022</td>
  </tr>
</table>
</body>
</html>

```

Output: (screenshot)

Batch Details

Reg. Num	Student Name	Year/Semester	Date of Admission
1	Sparsh	1th Year	01/08/2023
2	James Rhodes	2nd Year	14/05/2022
3	John lee	4st Year	2/2/2022

Test Case: Any two (Screenshot)

Batch Details

Reg. Num	Student Name	Year/Semester	Date of Admission
1	Sparsh	1th Year	01/08/2023
2	James Rhodes	2nd Year	14/05/2022
3	John lee	4st Year	2/2/2022

Batch Details

Reg. Num	Student Name	Year/Semester	Date of Admission
1	Sparsh	1th Year	01/08/2023
2	James Rhodes	2nd Year	14/05/2022
3	John lee	4st Year	2/2/2022

Conclusion:

The conclusion is, we can implement a linked list by using class or structure and allocate heap memory for the node by using new operator or malloc function. We can deallocate memory for the node by using free function or delete operator.

Name of Student: Sparsh Sharma

Roll Number: 37

Experiment No: 8

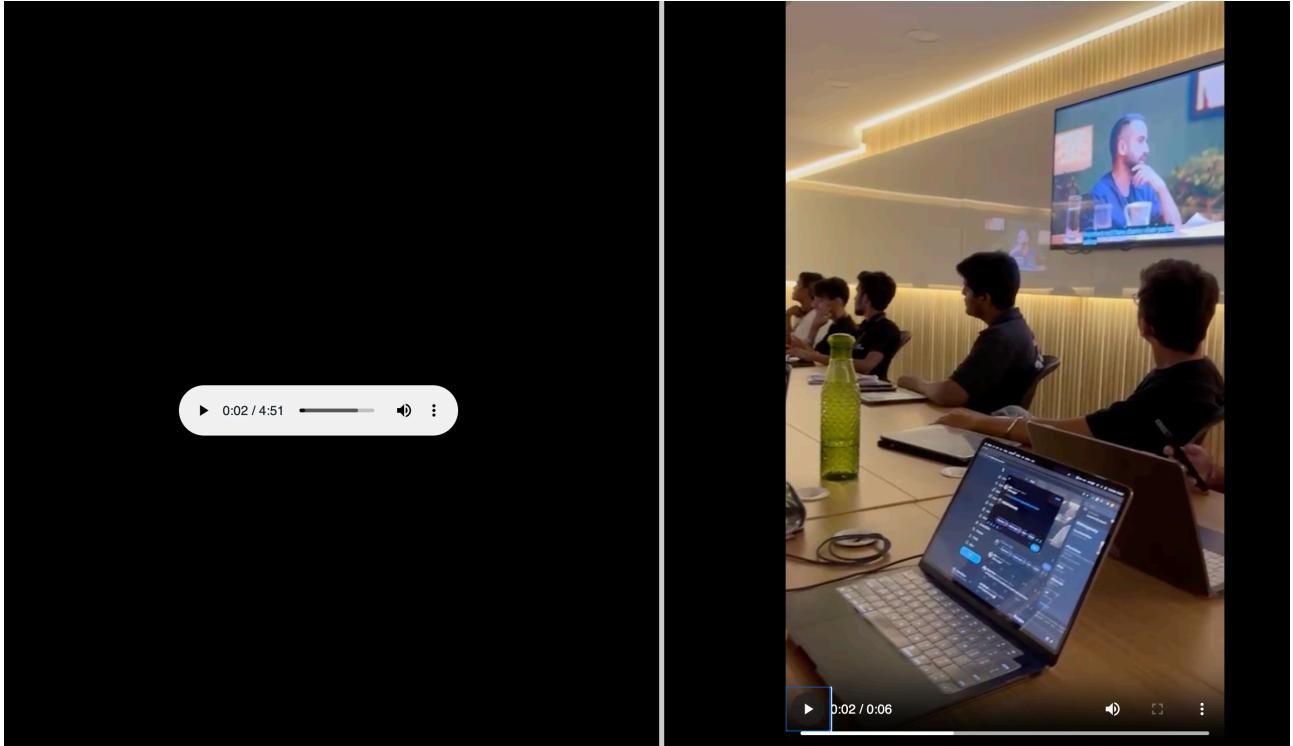
Title: Create a web page which divides the page in two equal frames and place the audio and video clips in frame-1 and frame-2 respectively

Theory: <frames> tag is used to define a particular window(frame) within a <frameset>

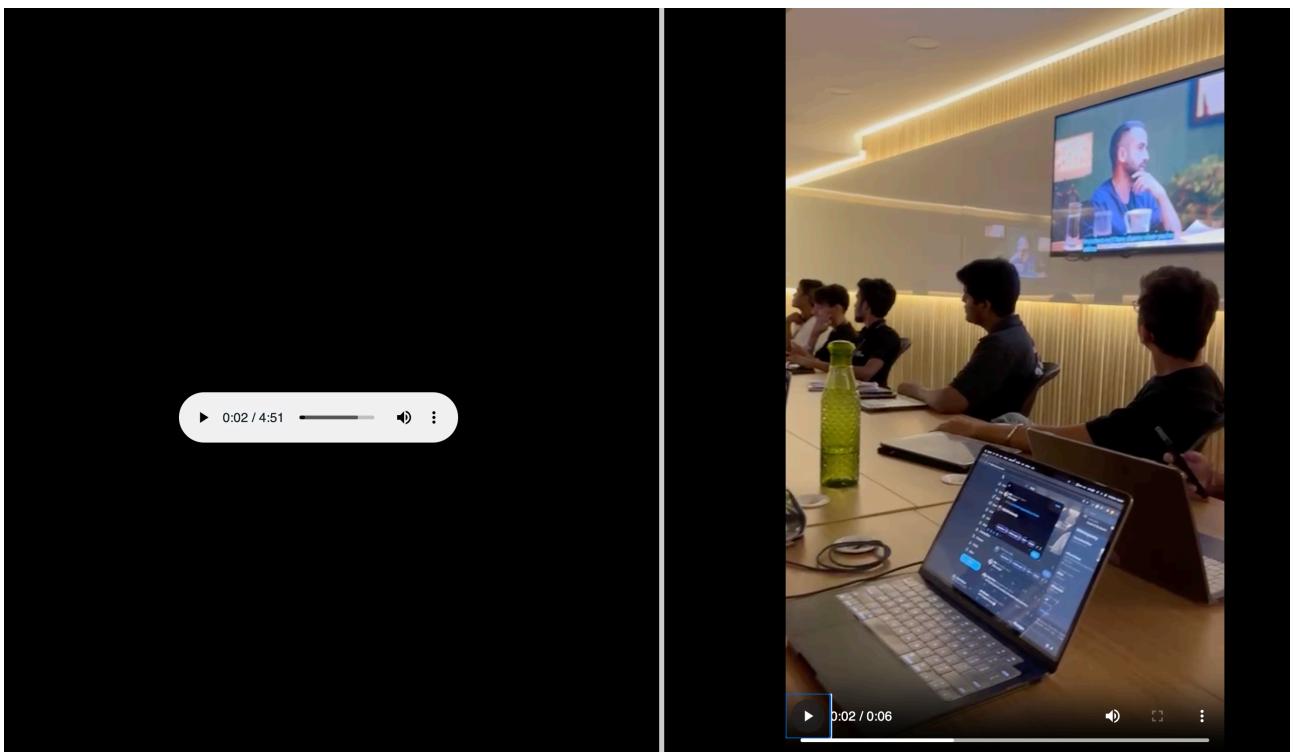
Code:

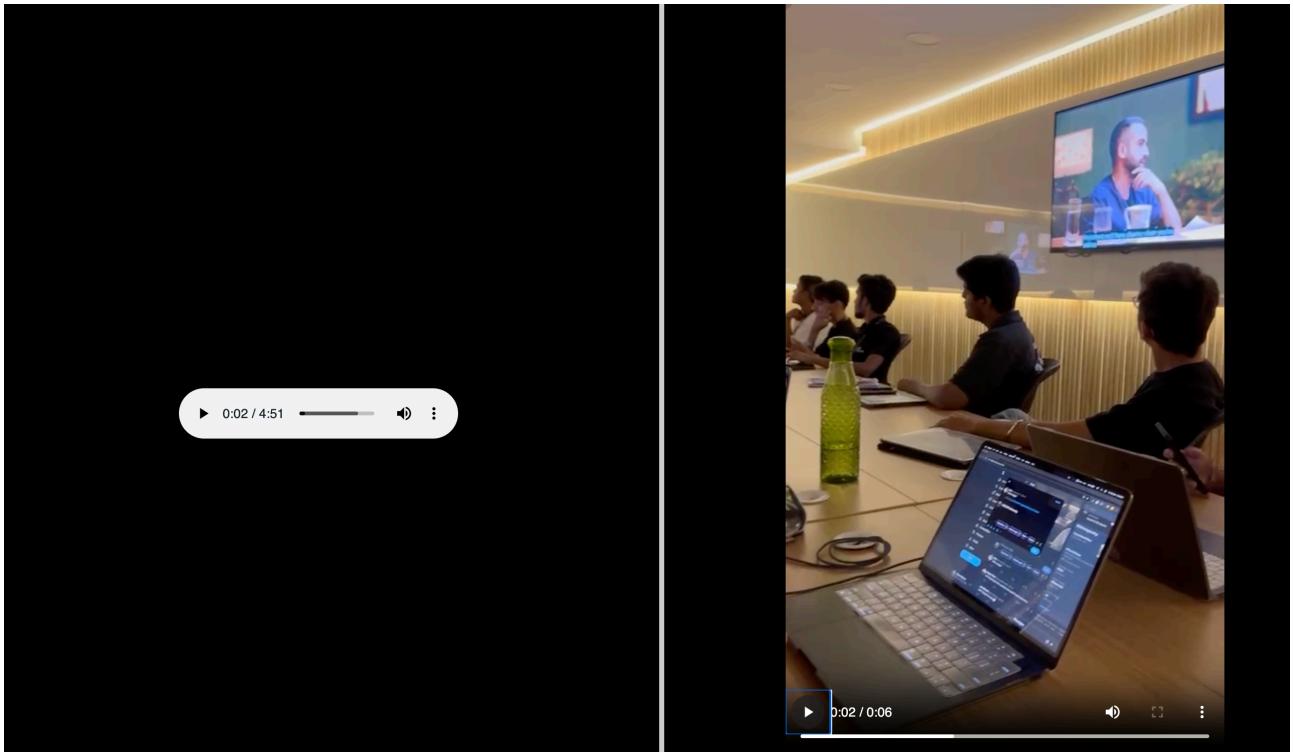
```
<!-- Create a web page which divides the page in two equal frames  
and  
place the audio and video clips in frame-1 and frame-2  
respectively. -->  
<!DOCTYPE html>  
<html lang="en">  
<head>  
    <meta charset="UTF-8">  
    <meta name="viewport" content="width=device-width,  
initialscale=1.0">  
    <title>Audio and Video Clips</title>  
</head>  
<frameset cols="50%, 50%">  
    <frame src="/Eminem - Without Me (Lyrics).mp3" name="frame1">  
    <frame src="/WhatsApp Video 2024-03-22 at 2.45.56 PM.mp4"  
name="frame2">  
</frameset>  
</html>
```

Output: (screenshot)



Test Case: Any two (screenshot)





Conclusion: The conclusion is, using tag, we can divide the webpage in sections and one section will have an audio track and other one will have a video track.

Name of Student: Sparsh Sharma

Roll Number: 37

Experiment No: 9

Title: Use frames such that page is divided into 3 frames 20% on left to show contents of pages, 60% in centre to show body of page, remaining on right to show remarks.

Theory: : <frame>tag is used to define a particular window(frame) within a <frameset>

Code:

```
<!-- Use frames such that page is divided into 3 frames 20% on  
left [REDACTED]  
to [REDACTED]  
show contents of pages, 60% in center to show body of page,  
remaining on right to show remarks. -->  
<!DOCTYPE html>  
<html lang="en">  
<head> [REDACTED]  
  <meta charset="UTF-8">  
  <meta name="viewport" content="width=device-width,  
initialscale=1.0"> [REDACTED]  
  <title>Frame Layout</title>  
</head> [REDACTED]  
<frameset cols="20%, 60%, *">  
  <frame src="/1.html" name="first contant ">  
  <frame src="/6.html" name="Second contant">  
  <frame src="/2.html" name="third contant">  
</frameset> [REDACTED]  
</html>  
</head>  
</body>  
</html>
```

Output: (screenshot)

Test Case: Any two (screenshot)

<p>First heading with medium font size</p> <p>This is second heading with large font size</p>	<p>PG Diploma Programmes in ITM Skills University:</p> <ul style="list-style-type: none">• PG Diploma in Computer Science• PG Diploma in Electronics Engineering• PG Diploma in Mechanical Engineering• PG Diploma in Civil Engineering• PG Diploma in Chemical Engineering• PG Diploma in Electrical Engineering• PG Diploma in Information Technology	<p>Registration Details:</p> <hr/> <p>Name :- Sparsh Sharma</p> <p>Age :- 19</p> <p>Address :- JNPT Township, Navi Mumbai</p> <p>Phone :- +918424XXXXXX</p> <p>Register Number :- 89863XXX</p> <p>Class- First Year</p>
--	--	--

<p>First heading with medium font size</p> <p>This is second heading with large font size</p>	<p>PG Diploma Programmes in ITM Skills University:</p> <ul style="list-style-type: none"> • PG Diploma in Computer Science • PG Diploma in Electronics Engineering • PG Diploma in Mechanical Engineering • PG Diploma in Civil Engineering • PG Diploma in Chemical Engineering • PG Diploma in Electrical Engineering • PG Diploma in Information Technology 	<p>Registration Details:</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <p>Name :- Sparsh Sharma</p> <p>Age :- 19</p> <p>Address :- JNPT Townsh, , Navi Mumbai</p> <p>Phone :- +918424XXXXXX</p> <p>Register Number :- 89863XXX</p> <p>Class- First Year</p>
--	--	--

Conclusion: The conclusion is , using tag, we can divide the webpage in sections and one section will have contents page, other will have content of a page and another one will have remarks of the page.

Name of Student: Sparsh Sharma

Roll Number: 37

Experiment No: 10

Title: Create an HTML page that contains a selection box with a list of 5 countries, when the user selects a country, its capital should be printed next to the list; Add CSS to customize the properties of the font of the capital (color, bold and font size).

Theory: it is used for choosing a single option from multiple choice. tag is used to mark up some part of a text from the document. tag is used to define a label for several input types(usually in a form).

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <title>Country and Capital</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: rgb(255, 213, 0);
            margin: 0;
            padding: 0;
        }

        h1, h3 {
            text-align: center;
            margin-top: 20px;
        }

        .country-label {
            display: block;
            margin-bottom: 10px;
        }

        .capital {
```

```
        font-size: 20px;
        color: blue;
        font-weight: bold;
    }

    input[type="radio"] {
        display: none;
    }

    input[type="radio"] + label:before {
        content: "";
        display: inline-block;
        width: 20px;
        height: 20px;
        border: 1px solid #ccc;
        vertical-align: middle;
        margin-right: 10px;
    }

    input[type="radio"]:checked + label:before {
        content: "✓";
        font-size: 18px;
        text-align: center;
        line-height: 20px;
    }

    input[type="radio"] + label .capital {
        display: none;
    }

    input[type="radio"]:checked + label .capital {
        display: inline-block;
    }

```

</style>

```
</head>
<body>
    <h1>Countries and their capitals</h1>
    <h3>Select a country to display its capital</h3>
    <div>
        <input type="radio" name="country" id="USA" value="USA" />
        <label for="USA" class="country-label">
            United States
            <span class="capital">Washington, D.C.</span>
        </label>
    </div>
    <div>
        <input type="radio" name="country" id="Canada" value="Canada" />
        <label for="Canada" class="country-label">
            Canada
            <span class="capital">Ottawa</span>
        </label>
    </div>

```

```

        </div>
        <div>
            <input type="radio" name="country" id="Australia"
value="Australia" />
            <label for="Australia" class="country-label">
                Australia
                <span class="capital">Canberra</span>
            </label>
        </div>
        <div>
            <input type="radio" name="country" id="India"
value="India" />
            <label for="India" class="country-label">
                India
                <span class="capital">New Delhi</span>
            </label>
        </div>
        <div>
            <input type="radio" name="country" id="Germany"
value="Germany" />
            <label for="Germany" class="country-label">
                Germany
                <span class="capital">Berlin</span>
            </label>
        </div>
    </body>
</html>

```

Output: (screenshot)

Countries and their capitals

Select a country to display its capital

<input checked="" type="checkbox"/> United States Washington, D.C.
<input type="checkbox"/> Canada
<input type="checkbox"/> Australia
<input type="checkbox"/> India
<input type="checkbox"/> Germany

Test Case: Any two (screenshot)

Countries and their capitals

Select a country to display its capital

- United States
- Canada
- Australia
- India **New Delhi**
- Germany

Countries and their capitals

Select a country to display its capital

- United States **Washington, D.C.**
- Canada
- Australia
- India
- Germany

Conclusion: The conclusion is, using buttons, tag and tags, we can select a country and show it's capital.