

HTML LAB



Prepared by:

Name of Student : Muhammed Faheem

Roll No: 150096723042

Batch: 2023-27

Dept. of CSE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



**INSTITUTE OF TECHNOLOGY AND MANAGEMENT
SKILLS UNIVERSITY,
KHARGHAR, NAVI MUMBAI**

CERTIFICATE

This is to certify that Mr. / Ms. Muhammed Faheem
Roll No. 150096723042 Semester II of B.Tech Computer Science &
Engineering, ITM Skills University, Kharghar, Navi Mumbai , has completed the term
work satisfactorily in subject HTML for the
academic year 20_23 - 20_24 as prescribed in the curriculum.

Place: Kharghar

Date: 7/4/24

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.	7/4/24																									
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.	7/4/24																									
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.	7/4/24																									
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.	7/4/24																									
5	Create a HTML document containing a nested list showing a content page of any book.	7/4/24																									
6	Create a web page, showing an unordered list of names of all the PG Diploma Programmes (Branches) in your institution.	7/4/24																									
7	Create the following table in HTML with following Data for your batch:	7/4/24																									
	<table border="1"> <thead> <tr> <th>Reg. Number</th><th>Student Name</th><th>Year/Semester</th><th>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.	7/4/24																									
	<table border="1"> <thead> <tr> <th>FRAME-1</th><th>FRAME-2</th></tr> </thead> <tbody> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </tbody> </table>	FRAME-1	FRAME-2					7/4/24																			
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.	7/4/24	
10	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).	7/4/24	

Name of Student: Muhammed Faheem

Roll Number: 42

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).

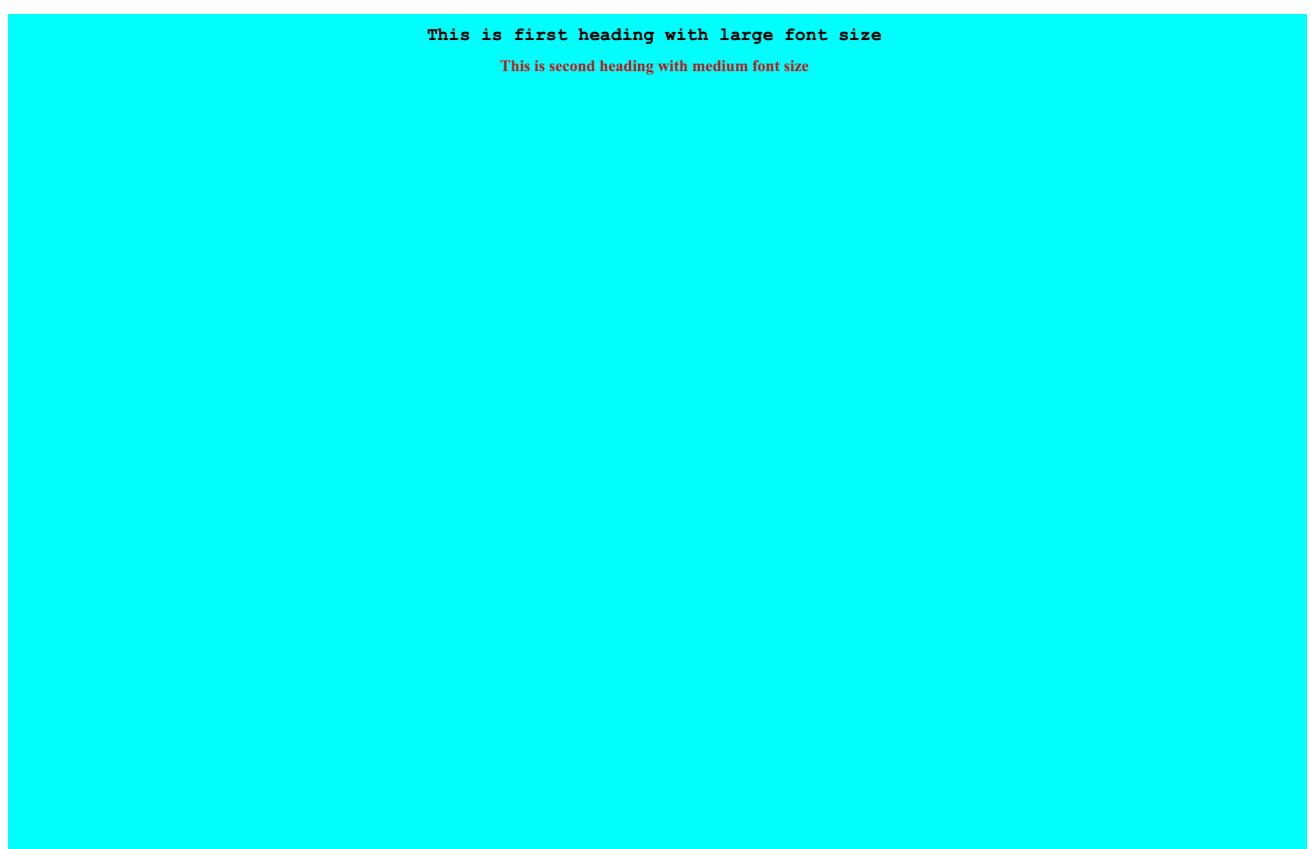
Code:

```
<!-- 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, initial-
scale=1.0">
    <title>My First Web Page</title>
</head>
<body style="background-color: aqua;" align="center">
    <h1 style="font-family: 'Courier New', Courier, monospace;
font-size: medium; color: brown;">This is first heading with large
font size</h1>
    <h1 style="font-family: 'Times New Roman', Times, serif; font-
size: large; color: black;">This is second heading with medium font
size</h1>
</body>
</html>
```

Output: (screenshot)



Test Case: Any two (screenshot)



This is first heading with large font size

This is second heading with medium font size

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

Name of Student: Muhammed Faheem

Roll Number: 42

Experiment No: 2

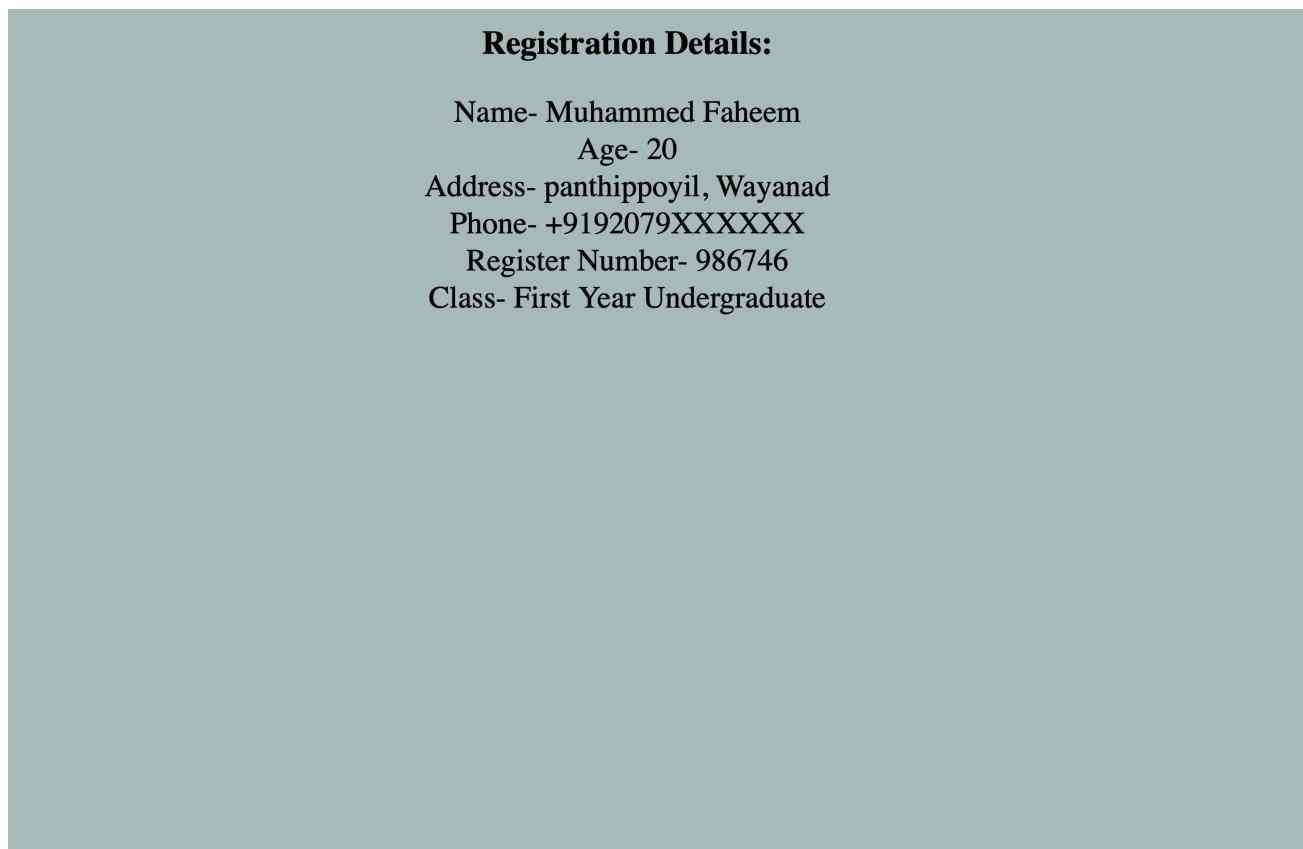
Title: Create a HTML document giving details of your [Name, Age], [Address, Phone] and [Register Number, Class] aligned in proper order using alignment attributes of Paragraph tag.

Theory: `<p>` tag is used to define a paragraph. Browsers automatically add a single blank line before and after each `<p>` element. `<align>` 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.

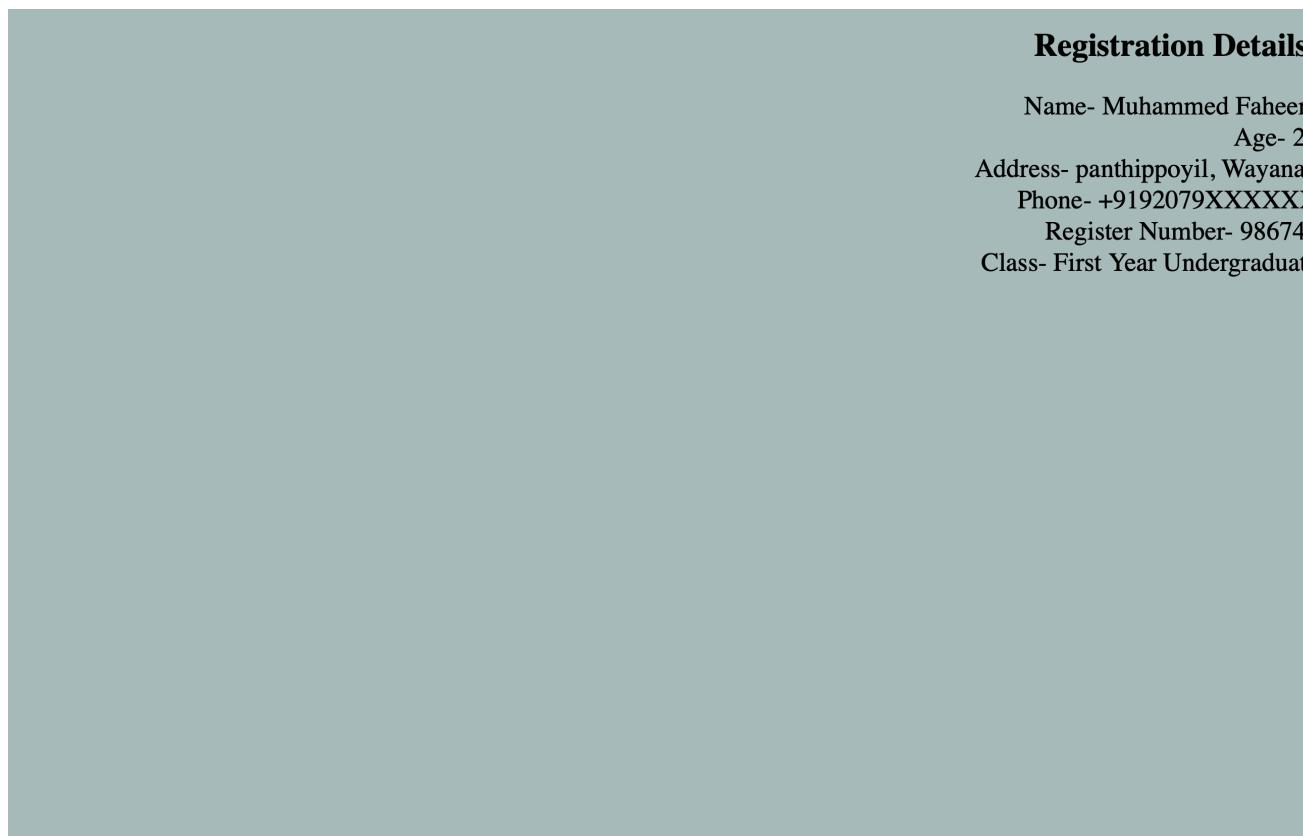
Code:

```
<!-- 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" />  
    <meta name="viewport" content="width=device-width, initial-  
scale=1.0" />  
    <title>Registration Details</title>  
  </head>  
  <body style="background-color: rgb(170, 187, 187)">  
    <h1 align="center">Registration Details:</h1>  
    <p align="center" style="font-size: 30px">  
      Name- Muhammed Faheem<br />Age- 20<br />Address-  
      panthippoyil, Wayanad  
      <br />Phone- +9192079XXXXXX<br />Register Number- 986746<br />  
    >Class- First  
      Year Undergraduate  
    </p>  
  </body>  
</html>
```

Output: (screenshot)



Test Case: Any two (screenshot)



Registration Details:

Name- Muhammed Faheem
Age- 20
Address- panthippoyil, Wayanad
Phone- +9192079XXXXXX
Register Number- 986746
Class- First Year Undergraduate

Conclusion: Therefore, using <align> tag, we can align the contents of the <p> element and various other elements as well in respect to the browser window.

Name of Student: Muhammed Faheem

Roll Number: 42

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: 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. <a> 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  
side of the page, when user clicks on the image another web page  
should open. -->  
<!DOCTYPE html>  
<html lang="en">  
  <head>  
    <meta charset="UTF-8" />  
    <meta name="viewport" content="width=device-width, initial-  
scale=1.0" />  
    <title>Image to another webpage</title>  
  </head>  
  <body style="background-color: aqua">  
    <h1>Click on the image to go to personal details page</h1>  
    <br />  
    <a href="2personaldetail.html">  
      </a>  
    </body>  
</html>
```

Output: (screenshot)

Click on the image to go to personal details page



Test Case: Any two (screenshot)

After clicking on the image-

Registration Details:

Name- Muhammed Faheem
Age- 20
Address- panthippoyil, Wayanad
Phone- +9192079XXXXXX
Register Number- 986746
Class- First Year Undergraduate

Conclusion: Therefore, using `` and `<a>` tags, we can embed an image in the webpage, which when clicked, leads to another webpage.

Name of Student: Muhammed Faheem

Roll Number: 42

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 <a> tag with href with #id to go to various locations or sections in the same webpage.

Code:

```
<!-- 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. -->  
<!DOCTYPE html>  
<html lang="en">  
  
<head>  
    <style>  
        table,  
        th,  
        td {  
            border: 1px solid black;  
            text-align: center;  
        }  
        nav {  
            height: 50px;  
            width: 100%;  
            background-color: #333;  
            color: #fff;  
            text-align: center;  
            padding: 0px;  
            box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);  
        }  
        nav a {  
            color: #fff;  
            text-decoration: none;  
            margin: 0 15px;  
        }</style>  
</head>  
<body>  
    <table border="1">  
        <thead>  
            <tr>  
                <th>Section</th>  
                <th>Content</th>  
            </tr>  
        </thead>  
        <tbody>  
            <tr>  
                <td>Section 1</td>  
                <td>Content 1</td>  
            </tr>  
            <tr>  
                <td>Section 2</td>  
                <td>Content 2</td>  
            </tr>  
            <tr>  
                <td>Section 3</td>  
                <td>Content 3</td>  
            </tr>  
        </tbody>  
    </table>  
    <nav>  
        <a href="#section1">Section 1</a>  
        <a href="#section2">Section 2</a>  
        <a href="#section3">Section 3</a>  
    </nav>  
</body>  
</html>
```

```
body {
    background-image: url(https://images.rawpixel.com/
image_png_social_landscape/
cHJpdmF0ZS90ZW1wbGF0ZXMvcZmlsZXMvcY3JlYXRlX3Rvb2wvMjAyMy0wNy8wMwdyM2Z
3NW56Zm13YTUyeHhiZWh6cDliMC1sazhqaDlraC5wbmc.png
);
    background-size: cover;
    background-position: right top;
    margin-right: 200px;
}
</style>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-
scale=1.0">
<title>Resume</title>

</head>

<body style="font-family: 'Arial', sans-serif; margin: 20px;
background-color: #f8f8f8; color: #333;">
    <nav style="height: 100px; width: 100%; background-color:
##333; box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);">
        <h1 style="text-align: center; margin: 0; color: white;
padding: 20px; text-shadow: 2px 2px 4px rgba(0, 0, 0, 0.3);">
            <ins>RESUME</ins>
        </h1>
        <nav>
            <a href="#aboutMe">About Me</a>
            <a href="#professionalSkills">Professional Skills</a>
            <a href="#hobbies">Hobbies</a>
            <a href="#education">Education</a>
        </nav>
    </nav>
    <section style="width: 50%; margin: auto; background-color:
#fff; border-radius: 8px; box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
padding: 20px; position: relative;">
        
        <b>Name: </b><span>Muhammed Faheem</span><br>
        <b>Mobile No: </b><span>+91 9207983838</span><br>
        <b>Email Id: </b><a href="https://mail.google.com/mail/u/0/?fs=1&to=2023.muhammedf@isu.ac.in&tf=cm"><span>2023.muhammedf@isu.ac.in</span></a><br>
        <b>GitHub: </b><span><a href="https://github.com/faheemmuhammed1133" target="_blank">Muhammed FaheemISU</a></span><br>
        <b>LinkedIn: </b><span><a href="https://www.linkedin.com/in/muhammed-faheem-9bbb89223/" target="_blank">Muhammed Faheem</a></span><br>
    </section>
</body>
```

```
<b>Twitter: </b><span><a href="https://twitter.com/6327farm" target="_blank">Muhammed Faheem</a></span><br>

<hr id="aboutMe">
<ins style="color: #0a0909;"><b>About Me:</b></ins>
<ul>
    <p>
        <h4>
            <li>Date Of Birth: **-12-2003</li>
            <li>A passionate computer science student studying at ITM Skills University, Kharghar.</li>
            <li>Love to learn about AI and learning new technologies.</li>
            <li>I am a first year BTech CSE student. Currently learning Python, C++ and other programming languages.</li>
        </h4>
    </p>
</ul>
<hr id="professionalSkills">
<ins style="color: #0f0d0d;"><b>Professional Skills:</b></ins>
<ul>
    <h4>
        <li>C</li>
        <li>C++</li>
        <li>Git</li>
        <li>Python</li>
        <li>Scratch</li>
        <li></li>
        <li>Appsheet</li>
        <li>Canva</li>
        <li></li>
        <li>GitHub</li>
        <li>VS Code</li>
    </h4>
</ul>
<hr id="hobbies">
<ins style="color: #040303;"><b>Hobbies:</b></ins>
<ul>
    <h4>
        <li>Playing</li>
        <li>Watching Football</li>
        <li>Competitive Coding</li>
    </h4>
</ul>
<hr id="education">
```

```
<ins style="color: #060505;"><b>Education:</b></ins><br><br>
<table width="100%">
  <tr bgcolor="grey">
    <th>Sr.No</th>
    <th>University/Board</th>
    <th>Year Of Passing</th>
    <th>Percentage</th>
  </tr>
  <tr>
    <td>1</td>
    <td>SSC</td>
    <td>2020</td>
    <td>96%</td>
  </tr>
  <tr>
    <td>2</td>
    <td>HSC</td>
    <td>2022</td>
    <td>73.2%</td>
  </tr>
  <tr>
    <td rowspan="2">3</td>
    <td rowspan="2">ISU</td>
    <td>Sem-I</td>
    <td>64.5%</td>
  </tr>
  <tr>
    <td>Sem-II</td>
    <td>Applied</td>
  </tr>
</table>
<br>
<hr>
</section>
</body>
</html>
```

Output: (screenshot)

The screenshot shows a resume template with a dark header bar containing the word 'RESUME'. Below the header, there are four navigation links: 'About Me', 'Professional Skills', 'Hobbies', and 'Education'. Under 'About Me', there is contact information: Name: Muhammed Faheem, Mobile No: +91 9207983838, Email Id: 2023.muhammedf@isu.ac.in, GitHub: [Muhammed FaheemISU](#), LinkedIn: [Muhammed Faheem](#), Twitter: [Muhammed Faheem](#). To the right of this information is a small profile picture of a man in a striped shirt. The main content area is divided into sections: 'About Me:', 'Professional Skills:', 'Hobbies:', and 'Education:'. The 'About Me:' section contains a bulleted list of personal details. The 'Professional Skills:' section lists various programming languages and tools. The 'Hobbies:' section lists three hobbies. The 'Education:' section is currently empty.

Test Case: Any two (screenshot)

When about me is clicked-

This screenshot is identical to the first one, but the 'About Me' section is expanded, showing more detailed information. The expanded 'About Me' section includes a bulleted list of personal details: Date Of Birth: **-12-2003, A passionate computer science student studying at ITM Skills University , Kharghar, Love to learn about AI and learning new technologies, I am a first year BTech CSE student. Currently learning Python, C++ and other programming languages.

When professional skills is clicked-



- Date Of Birth: **-12-2003
- A passionate computer science student studying at ITM Skills University , Kharghar.
- Love to learn about AI and learning new technologies.
- I am a first year BTech CSE student. Currently learning Python, C++ and other programming languages.

Professional Skills:

- C
- C++
- Git
- Python
- Scratch
- Appsheets
- Canva
- GitHub
- VS Code

Hobbies:

- Playing
- Watching football
- Competitive Coding

Education:

Sr.No	University/Board	Year Of Passing	Percentage
1	SSC	2020	96%
2	HSC	2022	73.2%
3	ISU	Sem-I Sem-II	64.5% Applied



Conclusion: Therefore, using id's for different parts of the website and using <a> tag with #id in href to go to different parts of the same webpage.

Name of Student: Muhammed Faheem

Roll Number: 42

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 page of any book. -->
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>The Art of War - Content Page</title>
  </head>
  <body style="background-color: #70D9C9">
    <h1>The Art of War - Content Page</h1>
    <ul>
      <li>Chapter 1: Laying Plans</li>
      <li>Chapter 2: Waging War</li>
      <li>
        Chapter 3: Attack by Stratagem
        <ul>
          <li>Section 1: The Five Essentials for Victory</li>
          <li>Section 2: Adaptability</li>
          <li>Section 3: Engaging the Force</li>
        </ul>
      </li>
      <li>
        Chapter 4: Tactical Dispositions
        <ul>
```

```

<li>Section 1: Energy</li>
<li>Section 2: Weak Points and Strong</li>
<li>Section 3: Maneuvering</li>
</ul>
</li>
<li>Chapter 5: Forces</li>
<li>Chapter 6: Weaknesses and Strengths</li>
<li>Chapter 7: Maneuvering</li>
<li>Chapter 8: Variation in Tactics</li>
<li>Chapter 9: The Army on the March</li>
<li>Chapter 10: Terrain</li>
<li>Chapter 11: The Nine Situations</li>
<li>Chapter 12: The Attack by Fire</li>
<li>Chapter 13: Espionage</li>
</ul>
</body>
</html>

```

Output: (screenshot)

The Art of War - Content Page

- Chapter 1: Laying Plans
- Chapter 2: Waging War
- Chapter 3: Attack by Stratagem
 - Section 1: The Five Essentials for Victory
 - Section 2: Adaptability
 - Section 3: Engaging the Force
- Chapter 4: Tactical Dispositions
 - Section 1: Energy
 - Section 2: Weak Points and Strong
 - Section 3: Maneuvering
- Chapter 5: Forces
- Chapter 6: Weaknesses and Strengths
- Chapter 7: Maneuvering
- Chapter 8: Variation in Tactics
- Chapter 9: The Army on the March
- Chapter 10: Terrain
- Chapter 11: The Nine Situations
- Chapter 12: The Attack by Fire
- Chapter 13: Espionage

Test Case: Any two (screenshot)

The Art of War - Content Page

- Chapter 1: Laying Plans
- Chapter 2: Waging War
- Chapter 3: Attack by Stratagem
 - Section 1: The Five Essentials for Victory
 - Section 2: Adaptability
 - Section 3: Engaging the Force
- Chapter 4: Tactical Dispositions
 - Section 1: Energy
 - Section 2: Weak Points and Strong
 - Section 3: Maneuvering
- Chapter 5: Forces
- Chapter 6: Weaknesses and Strengths
- Chapter 7: Maneuvering
- Chapter 8: Variation in Tactics
- Chapter 9: The Army on the March
- Chapter 10: Terrain
- Chapter 11: The Nine Situations
- Chapter 12: The Attack by Fire
- Chapter 13: Espionage

The Art of War - Content Page

- Chapter 1: Laying Plans
- Chapter 2: Waging War
- Chapter 3: Attack by Stratagem
 - Section 1: The Five Essentials for Victory
 - Section 2: Adaptability
 - Section 3: Engaging the Force
- Chapter 4: Tactical Dispositions
 - Section 1: Energy
 - Section 2: Weak Points and Strong
 - Section 3: Maneuvering
- Chapter 5: Forces
- Chapter 6: Weaknesses and Strengths
- Chapter 7: Maneuvering
- Chapter 8: Variation in Tactics
- Chapter 9: The Army on the March
- Chapter 10: Terrain
- Chapter 11: The Nine Situations
- Chapter 12: The Attack by Fire
- Chapter 13: Espionage

Conclusion: Therefore, using `` or `` tags, we can create a nested list.

Name of Student: Muhammed Faheem

Roll Number: 42

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 [REDACTED]  
Diploma Programmes (Branches) in your institution. -->  
<!DOCTYPE html>  
<html lang="en">  
<head>[REDACTED]  
    <meta charset="UTF-8">  
    <meta name="viewport" content="width=device-width, initial-  
scale=1.0">[REDACTED]  
    <title>PG Diploma Programmes</title>  
    <style>[REDACTED]  
        .container {  
            text-align: center;  
        }[REDACTED]  
        .xyz {  
            display: inline-block;  
            text-align: left;  
        }[REDACTED]  
        body {  
            background-color: #79AF8A;  
        }[REDACTED]  
        h1 {  
            text-align: center;  
        }[REDACTED]  
        li {  
            font-size: 22px;  
        }[REDACTED]
```

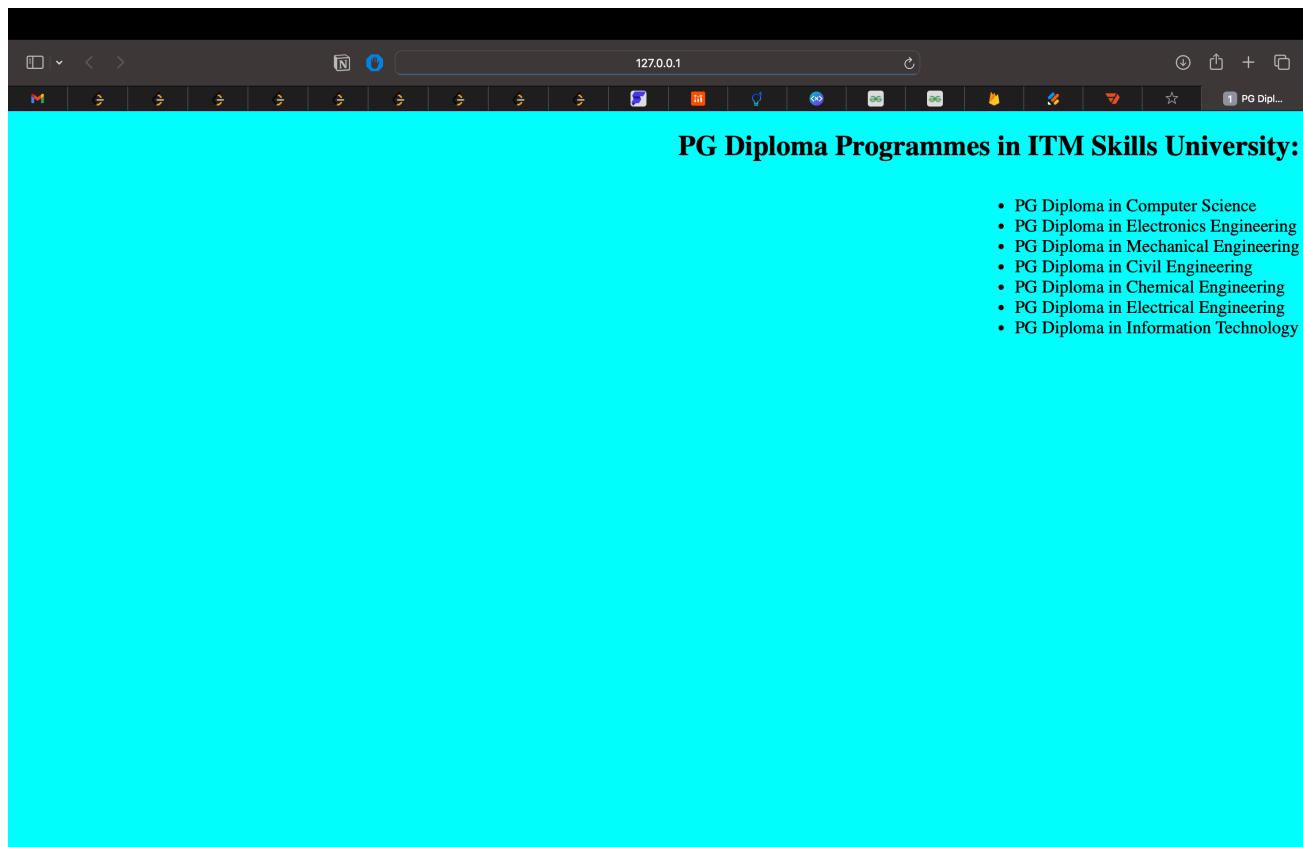
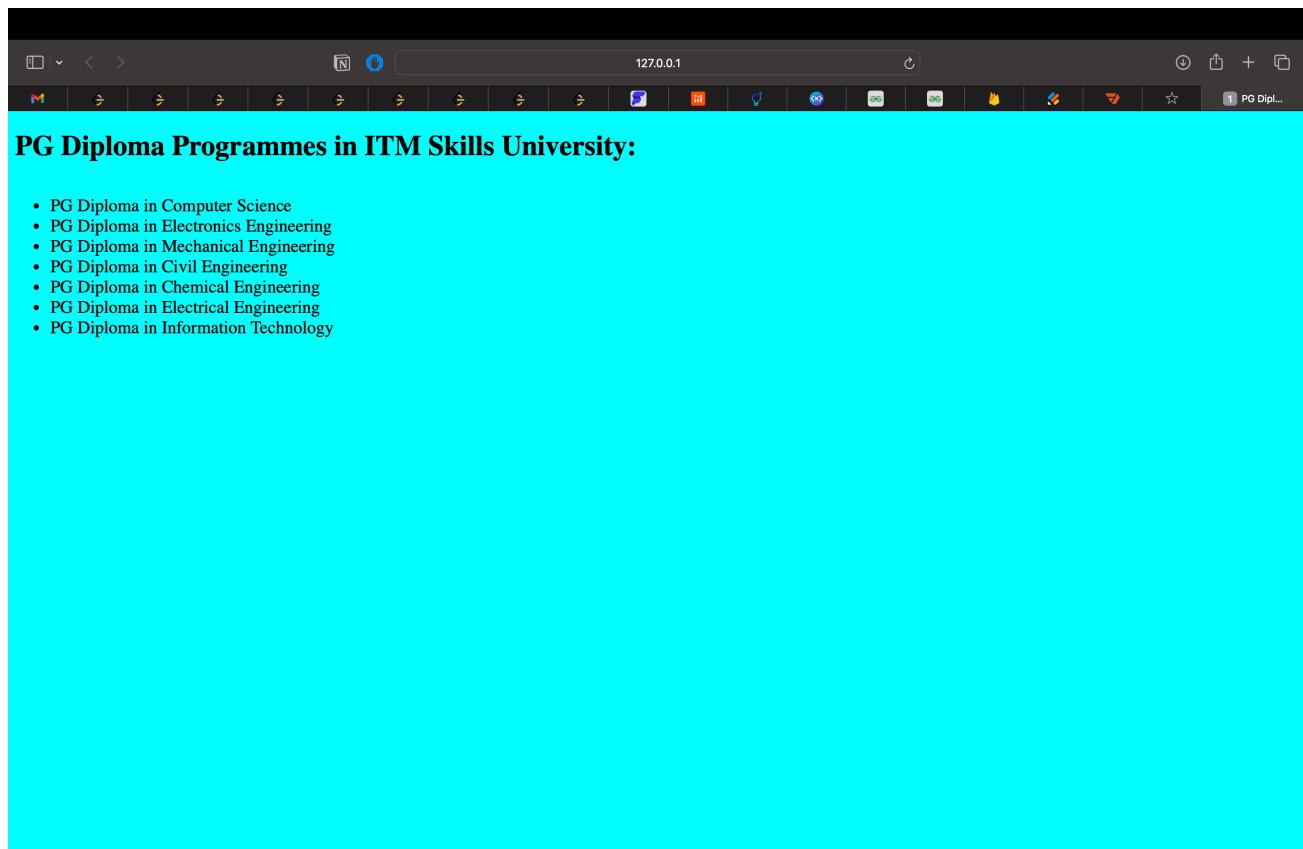
```
</style>
</head>
<body>
    <h1>PG Diploma Programmes in ITM Skills University: </h1>
    <div class="container">
        <ul class="xyz">
            <li>PG Diploma in Electronics Engineering</li>
            <li>PG Diploma in Electrical Engineering</li>
            <li>PG Diploma in Mechanical Engineering</li>
            <li>PG Diploma in Civil Engineering</li>
            <li>PG Diploma in Computer Science</li>
            <li>PG Diploma in Information Technology</li>
            <li>PG Diploma in Chemical Engineering</li>
        </ul>
    </div>
</body>
</html>
```

Output: (screenshot)

PG Diploma Programmes in ITM Skills University:

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

Test Case: Any two (screenshot)



Conclusion: Therefore, using unordered list tag, we can display a list of elements.

Name of Student: Muhammed Faheem

Roll Number: 42

Experiment No: 7

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

Theory: Table in HTML is defined using <table> tag. It consists of <tr> - for table row, <th> - for table headings(bold and centred by default), <td> - for table cell.

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, initial-  
scale=1.0" />  
    <title>Batch Details</title>  
    <style>  
      table {  
        width: 100%;  
        border-collapse: collapse;  
      }  
      th,td {  
        border: 1px solid rgb(6, 5, 5);  
        padding: 15px;  
        text-align: left;  
      }  
      th {  
        background-color: #021602;  
        color: rgb(199, 248, 246);  
      }  
      tr:nth-child(odd) {  
        background-color: #727c7c;  
      }  
    </style>  
  </head>  
  <body>  
    <table border="1">  
      <thead>  
        <tr>  
          <th>Reg. Number</th>  
          <th>Student Name</th>  
          <th>Year/Semester</th>  
          <th>Date of Admission</th>  
        </tr>  
      </thead>  
      <tbody>  
        <tr>  
          <td>1234567890</td>  
          <td>Muhammed Faheem</td>  
          <td>Year 1, Semester 1</td>  
          <td>2023-09-15</td>  
        </tr>  
        <tr>  
          <td>1234567890</td>  
          <td>Muhammed Faheem</td>  
          <td>Year 1, Semester 1</td>  
          <td>2023-09-15</td>  
        </tr>  
        <tr>  
          <td>1234567890</td>  
          <td>Muhammed Faheem</td>  
          <td>Year 1, Semester 1</td>  
          <td>2023-09-15</td>  
        </tr>  
        <tr>  
          <td>1234567890</td>  
          <td>Muhammed Faheem</td>  
          <td>Year 1, Semester 1</td>  
          <td>2023-09-15</td>  
        </tr>  
      </tbody>  
    </table>  
  </body>  
</html>
```

```
</style>
</head>
<body>
<table>
  <caption>
    <h1>Batch Details</h1>
  </caption>
  <tr>
    <th>Reg. Number</th>
    <th>Student Name</th>
    <th>Year/Semester</th>
    <th>Date of Admission</th>
  </tr>
  <tr>
    <td>1</td>
    <td>John Doe</td>
    <td>4th Year</td>
    <td>01/01/2020</td>
  </tr>
  <tr>
    <td>2</td>
    <td>Jane Smith</td>
    <td>2nd Year</td>
    <td>15/08/2022</td>
  </tr>
  <tr>
    <td>3</td>
    <td>Muhammed Faheem</td>
    <td>1st Year</td>
    <td>1/08/2023</td>
  </tr>
</table>
</body>
</html>
```

Output: (screenshot)

Batch Details

Reg. Number	Student Name	Year/Semester	Date of Admission
1	Muhammed Faheem	1st Year	1/08/2023
2	John Doe	4th Year	01/01/2020
3	Jane Smith	2nd Year	15/08/2022

Test Case: Any two (screenshot)

Batch Details

Reg. Number	Student Name	Year/Semester	Date of Admission
	Muhammed Faheem	1st Year	1/08/2023
	Jane Smith	2nd Year	15/08/2022
	John Doe	4th Year	01/01/2020

Batch Details

Reg. Number	Student Name	Year/Semester	Date of Admission
1	John Doe	4th Year	01/01/2020
2	Jane Smith	2nd Year	15/08/2022
3	Muhammed Faheem	1st Year	1/08/2023

Conclusion: Therefore, 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: Muhammed Faheem

Roll Number: 42

Experiment No: 8

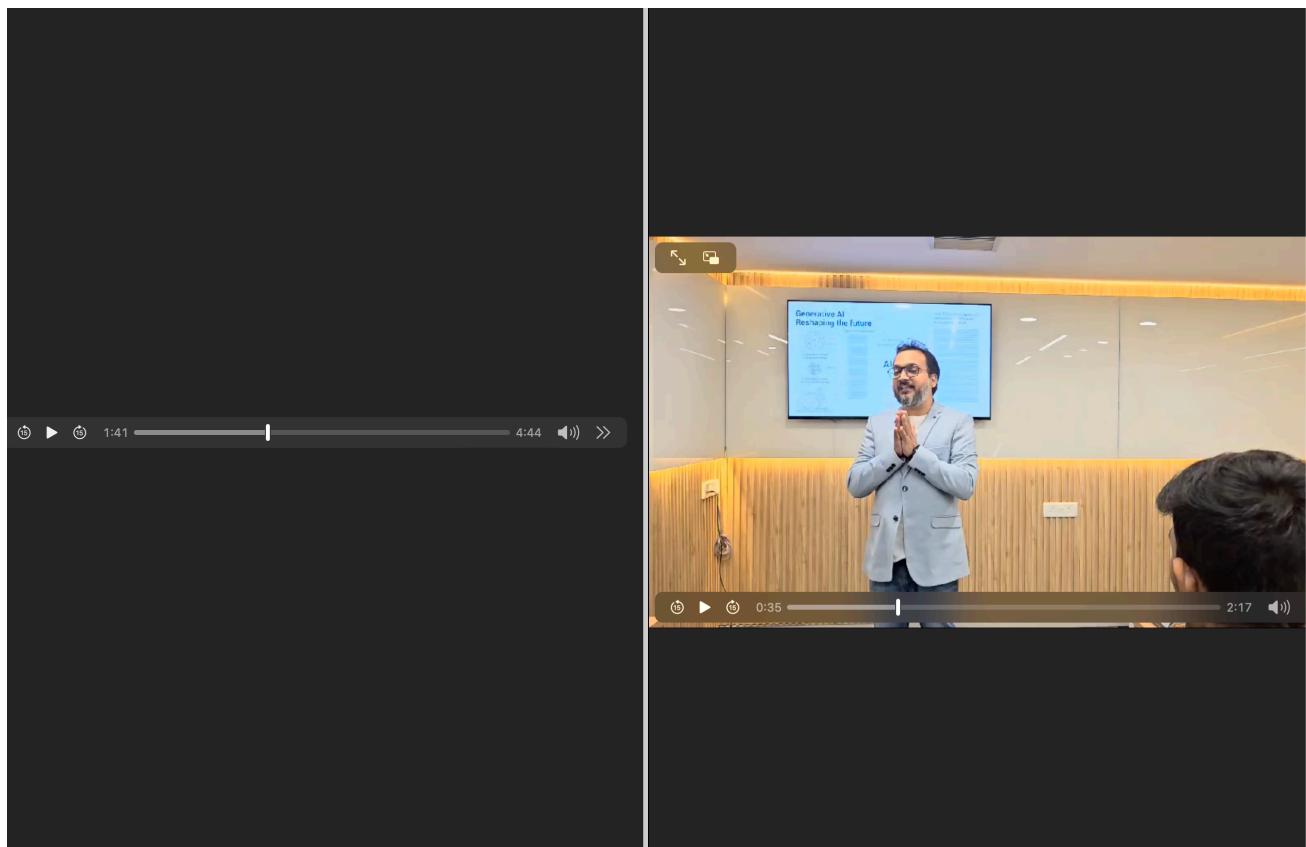
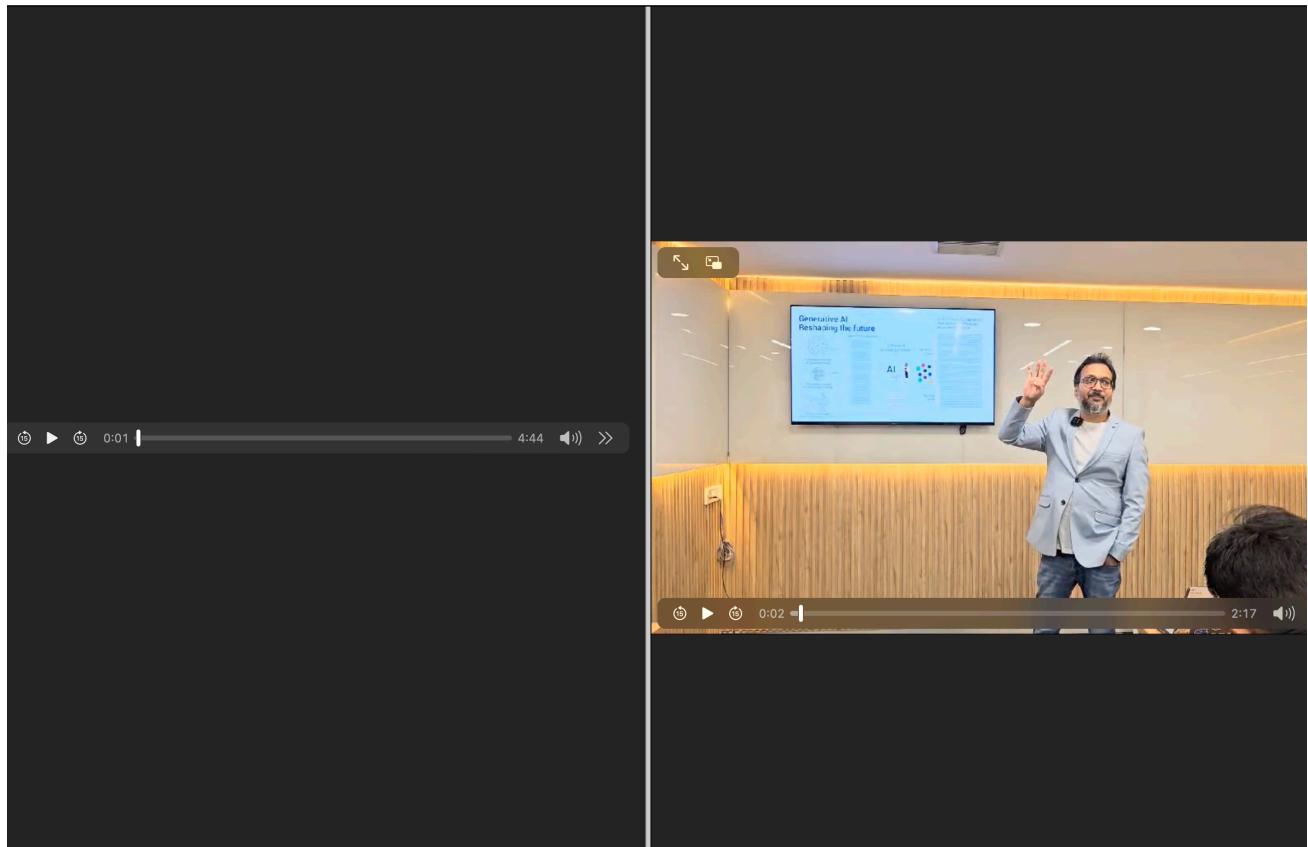
Title: Create a web page which divides the page in two equal frames and place the audio and video clips in frame-1 and frame-2 respectively

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

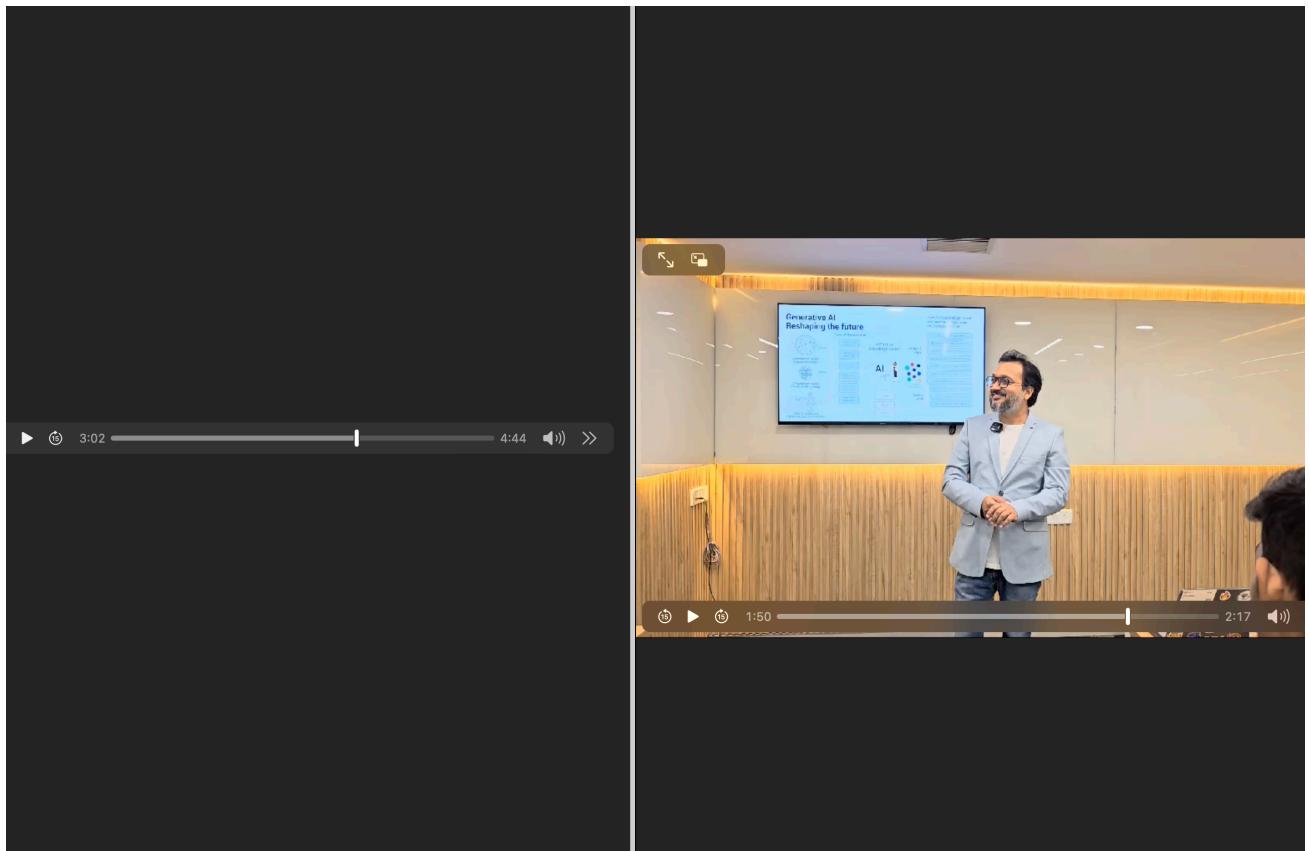
Code:

```
<!-- 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, initial-  
scale=1.0">  
    <title>Audio and Video Clips</title>  
</head>  
    <frameset cols="50%, 50%">  
        <frame src="audiovideo/htmlaudio.mp3" name="frame1" >  
        <frame src="audiovideo/htmlvideo.mp4" name="frame2" >  
    </frameset>  
</html>
```

Output: (screenshot)



Test Case: Any two (screenshot)



Conclusion: Therefore, using <frame> 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: Muhammed Faheem

Roll Number: 42

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:

index.html code:-

```
<!-- Use frames such that page is divided into 3 frames 20% on left  
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, initial-  
scale=1.0">  
    <title>Frame Layout</title>  
</head>[REDACTED]  
<frameset cols="20%, 60%, *">  
    <frame src="9 left list.html" name="contents">  
    <frame src="9 center body.html" name="body">[REDACTED]  
    <frame src="9 right remarks.html" name="remarks">  
</frameset>[REDACTED]  
</html>
```

Body.html code-

```
<!DOCTYPE html>
```

```

<html lang="en">
  <head>
    <title>Body Page</title>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-
scale=1" />
  </head>
  <body style="background-color: #aae836; text-align: center">
    <h1>The Art Of War by Sun Tzu</h1>
    <h2>Chapter 1.2 -The Text of Sun Tzu</h2>
    <p>
      I have found it difficult to glean much about the history of
      Sun Tzu's text. [REDACTED]
      The quotations that occur in early authors go to show that
      the "13 chapters" [REDACTED]
      of which Ssu-ma Ch'ien speaks were essentially the same as
      those now extant. [REDACTED]
      We have his word for it that they were widely circulated in
      his day, and can only [REDACTED]
      regret that he refrained from discussing them on that
      account. Sun Hsing-yen says in his preface:

```

<p style="padding:10px;">During the Ch'in and Han dynasties
 Sun Tzu's ART OF WAR was in general use [REDACTED]
 amongst military commanders, but they seem to have treated
 it as a work of mysterious import, [REDACTED]
 and were unwilling to expound it for the benefit of
 posterity. Thus it came about that Wei Wu was [REDACTED]
 the first to write a commentary on it.</p>

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

Remarks.html code-

```

<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Remarks Page</title>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-
scale=1" />
  </head>

```

```

<body style="background-color: rgba(8, 64, 197, 0.567); text-align: center">
    <h1>The Art Of War by Sun Tzu</h1>
    <h2>Remarks for Chapter 1.2 </h2>
    <p>
        33 - simply because he was a great general. Here we have an
        obvious [redacted]
        inducement to forgery. Sun Wu, on the other hand, cannot
        have [redacted]
        been widely known to fame in the 5th century.
        34 - From TSO CHUAN: "From the date of King Chao's accession
        [515] [redacted]
        there was no year in which Ch'u was not attacked by Wu."

```

```

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

```

Output: (screenshot)

The Art of War - Content Page	The Art Of War by Sun Tzu	The Art Of War by Sun Tzu
<p>The Art of War - Content Page</p> <ul style="list-style-type: none"> • Chapter 1: Laying Plans • Chapter 2: Waging War • Chapter 3: Attack by Stratagem <ul style="list-style-type: none"> ◦ Section 1: The Five Essentials for Victory ◦ Section 2: Adaptability ◦ Section 3: Engaging the Force • Chapter 4: Tactical Dispositions <ul style="list-style-type: none"> ◦ Section 1: Energy ◦ Section 2: Weak Points and Strong Points ◦ Section 3: Maneuvering 	<p>The Art Of War by Sun Tzu</p> <p>Chapter 1.2 -The Text of Sun Tzu</p> <p>I have found it difficult to glean much about the history of Sun Tzu's text. The quotations that occur in early authors go to show that the "13 chapters" of which Ssu-ma Ch'ien speaks were essentially the same as those now extant. We have his word for it that they were widely circulated in his day, and can only regret that he refrained from discussing them on that account. Sun Hsing-yen says in his preface:</p> <p>During the Ch'in and Han dynasties Sun Tzu's ART OF WAR was in general use amongst military commanders, but they seem to have treated it as a work of mysterious import, and were unwilling to expound it for the benefit of posterity. Thus it came about that Wei Wu was the first to write a commentary on it.</p>	<p>Remarks for Chapter 1.2</p> <p>33 - simply because he was a great general. Here we have an obvious inducement to forgery. Sun Wu, on the other hand, cannot have been widely known to fame in the 5th century. 34 - From TSO CHUAN: "From the date of King Chao's accession [515] there was no year in which Ch'u was not attacked by Wu."</p>

Test Case: Any two (screenshot)

<p>The Art of War - Content Page</p> <ul style="list-style-type: none">• Chapter 1: Laying Plans• Chapter 2: Waging War• Chapter 3: Attack by Stratagem<ul style="list-style-type: none">◦ Section 1: The Five Essentials for Victory◦ Section 2: Adaptability◦ Section 3: Engaging the Force• Chapter 4: Tactical Dispositions<ul style="list-style-type: none">◦ Section 1: Energy◦ Section 2: Weak Points and Strong Points◦ Section 3: Maneuvering	<p>The Art Of War by Sun Tzu</p> <p>Chapter 1.2 -The Text of Sun Tzu</p> <p>I have found it difficult to glean much about the history of Sun Tzu's text. The quotations that occur in early authors go to show that the "13 chapters" of which Ssu-ma Chi'en speaks were essentially the same as those now extant. We have his word for it that they were widely circulated in his day, and can only regret that he refrained from discussing them on that account. Sun Hsing-yen says in his preface:</p> <p>During the Ch'in and Han dynasties Sun Tzu's ART OF WAR was in general use amongst military commanders, but they seem to have treated it as a work of mysterious import, and were unwilling to expound it for the benefit of posterity. Thus it came about that Wei Wu was the first to write a commentary on it.</p>	<p>The Art Of War by Sun Tzu</p> <p>Remarks for Chapter 1.2</p> <p>33 - simply because he was a great general. Here we have an obvious inducement to forgery. Sun Wu, on the other hand, cannot have been widely known to fame in the 5th century. 34 - From TSO CHUAN: "From the date of King Chao's accession [515] there was no year in which Ch'u was not attacked by Wu."</p>
--	---	--

<p>The Art of War - Content Page</p> <ul style="list-style-type: none">• Chapter 1: Laying Plans• Chapter 2: Waging War• Chapter 3: Attack by Stratagem<ul style="list-style-type: none">◦ Section 1: The Five Essentials for Victory◦ Section 2: Adaptability◦ Section 3: Engaging the Force• Chapter 4: Tactical Dispositions<ul style="list-style-type: none">◦ Section 1: Energy◦ Section 2: Weak Points and Strong Points◦ Section 3: Maneuvering	<p>The Art Of War by Sun Tzu</p> <p>Chapter 1.2 -The Text of Sun Tzu</p> <p>I have found it difficult to glean much about the history of Sun Tzu's text. The quotations that occur in early authors go to show that the "13 chapters" of which Ssu-ma Chi'en speaks were essentially the same as those now extant. We have his word for it that they were widely circulated in his day, and can only regret that he refrained from discussing them on that account. Sun Hsing-yen says in his preface:</p> <p>During the Ch'in and Han dynasties Sun Tzu's ART OF WAR was in general use amongst military commanders, but they seem to have treated it as a work of mysterious import, and were unwilling to expound it for the benefit of posterity. Thus it came about that Wei Wu was the first to write a commentary on it.</p>	<p>The Art Of War by Sun Tzu</p> <p>Remarks for Chapter 1.2</p> <p>33 - simply because he was a great general. Here we have an obvious inducement to forgery. Sun Wu, on the other hand, cannot have been widely known to fame in the 5th century. 34 - From TSO CHUAN: "From the date of King Chao's accession [515] there was no year in which Ch'u was not attacked by Wu."</p>
--	---	--

Conclusion: Therefore, using <frame> 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: Muhammed Faheem

Roll Number: 42

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

Code:

```
<!-- 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) -->  
<!DOCTYPE html>  
<html lang="en">  
  <head>  
    <title>Country and Capital</title>  
    <style>  
      body {  
        background-color: #FFFFA7;  
      }  
      .country-label {  
        display: inline-block;  
        margin-right: 10px;  
        color: #006499;  
        font-size: 24px;  
        font-weight: bold;  
      }  
  
      .capital {  
        font-size: 20px;  
        color: green;  
        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;  
      }  
  
      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;  
        }  
        span {  
            margin-left: 50px;  
        }  
    </style>  
</head>  
<body>  
    <h1>Countries and their capitals</h1>  
    <h3>Select a country to display it's capital</h3>  
    <div>  
        <input type="radio" name="country" id="USA" value="USA" />  
        <label for="USA" class="country-label">  
            United Arab Emirates  
            <span class="capital">Abudhabi</span>  
        </label>  
    </div>  
    <br />  
    <div>  
        <input type="radio" name="country" id="Canada" value="Canada" />  
        <label for="Canada" class="country-label">  
            kingdom of Saudi Arabia  
            <span class="capital">Riyadh</span>  
        </label>  
    </div>  
    <br />  
    <div>  
        <input type="radio" name="country" id="Australia" value="Australia" />  
        <label for="Australia" class="country-label">  
            Australia  
            <span class="capital">Canberra</span>  
        </label>  
    </div>  
    <br />  
    <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>
```

```
        </label>
    </div>
    <br />
    <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 it's capital

- United Arab Emirates
- kingdom of Saudi Arabia Riyadh
- Australia
- India
- Germany

Test Case: Any two (screenshot)

Countries and their capitals

Select a country to display it's capital

- United Arab Emirates
- kingdom of Saudi Arabia
- Australia
- India
- Germany

Countries and their capitals

Select a country to display it's capital

- United Arab Emirates
- kingdom of Saudi Arabia
- Australia
- India
- Germany Berlin

Conclusion: Therefore, using <input type="radio"> buttons, <label> tag and tags, we can select a country and show it's capital.