

HTML LAB



Prepared by:

Name of Student : Rafe Shaikh

Roll No: 18

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. _____

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"> <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.																										
	<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																								
FRAME-1	FRAME-2																										

9	<p>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.</p>		
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>		

Name of Student: Rafe Shaikh

Roll Number: 18

Experiment No: 1

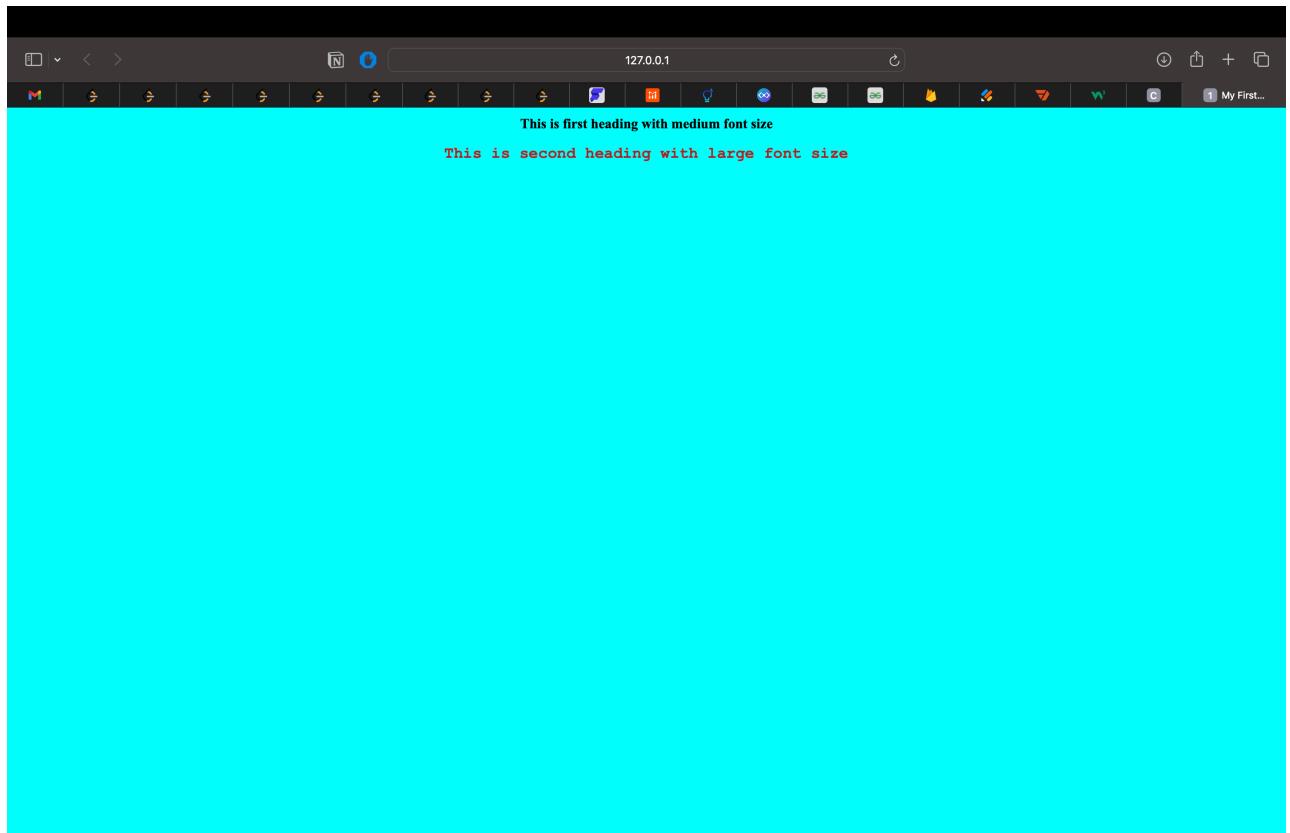
Title: Design a page having suitable background colour and text colour with title “My First Web Page” using all the attributes of the Font tag.

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:

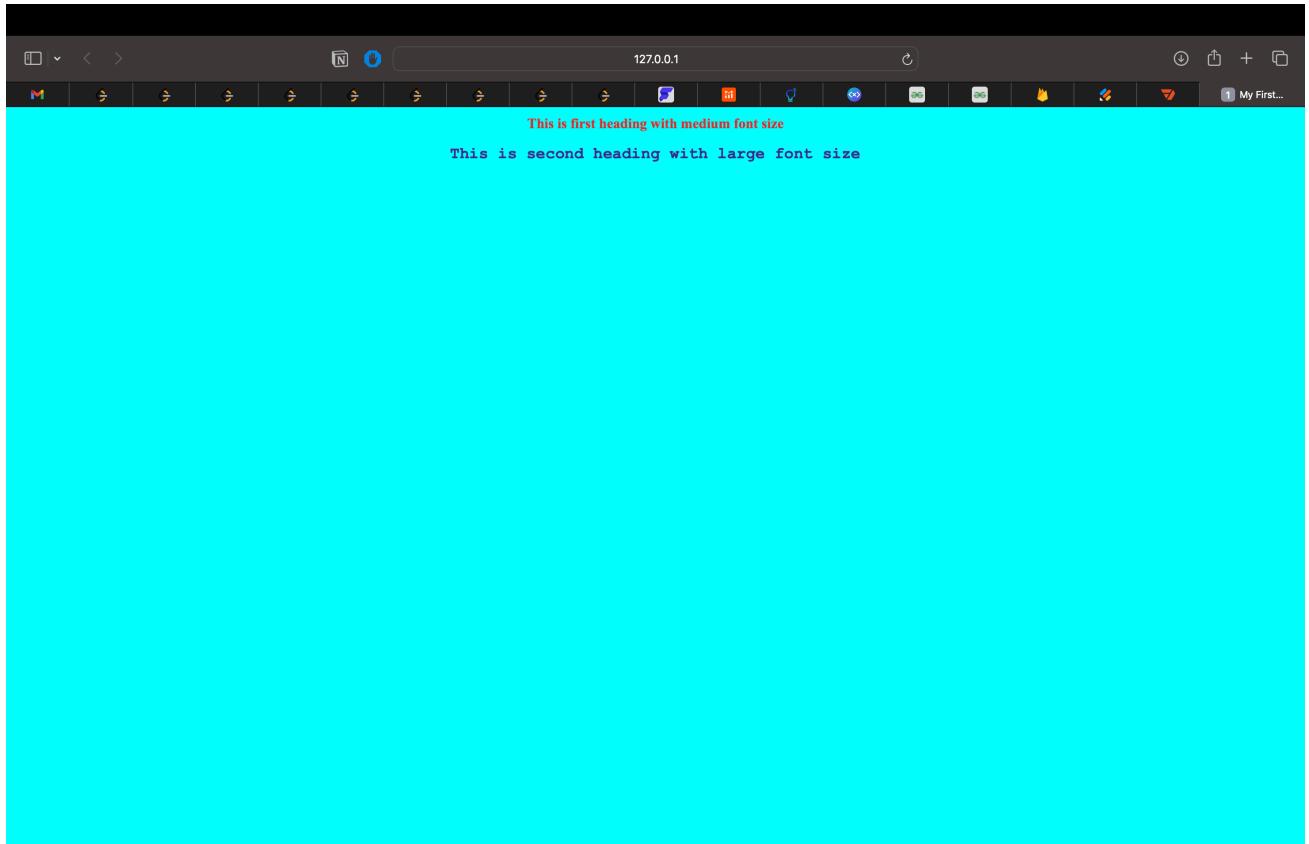
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <link href="style.css" rel="stylesheet">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>My First Web Page</title>
</head>
<body style="background-color: aqua;" align="center">
    <h1 style="font-family: 'Times New Roman', Times, serif; font-size: medium; color: black;">This is first heading with medium font size</h1>
    <h2 style="font-family: 'Courier New', Courier, monospace; font-size: large; color: brown;">This is second heading with large font size</h2>
</body>
</html>
```

Output: (screenshot)



Test Case: Any two (screenshot)

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: Rafe Shaikh

Roll Number: 18

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

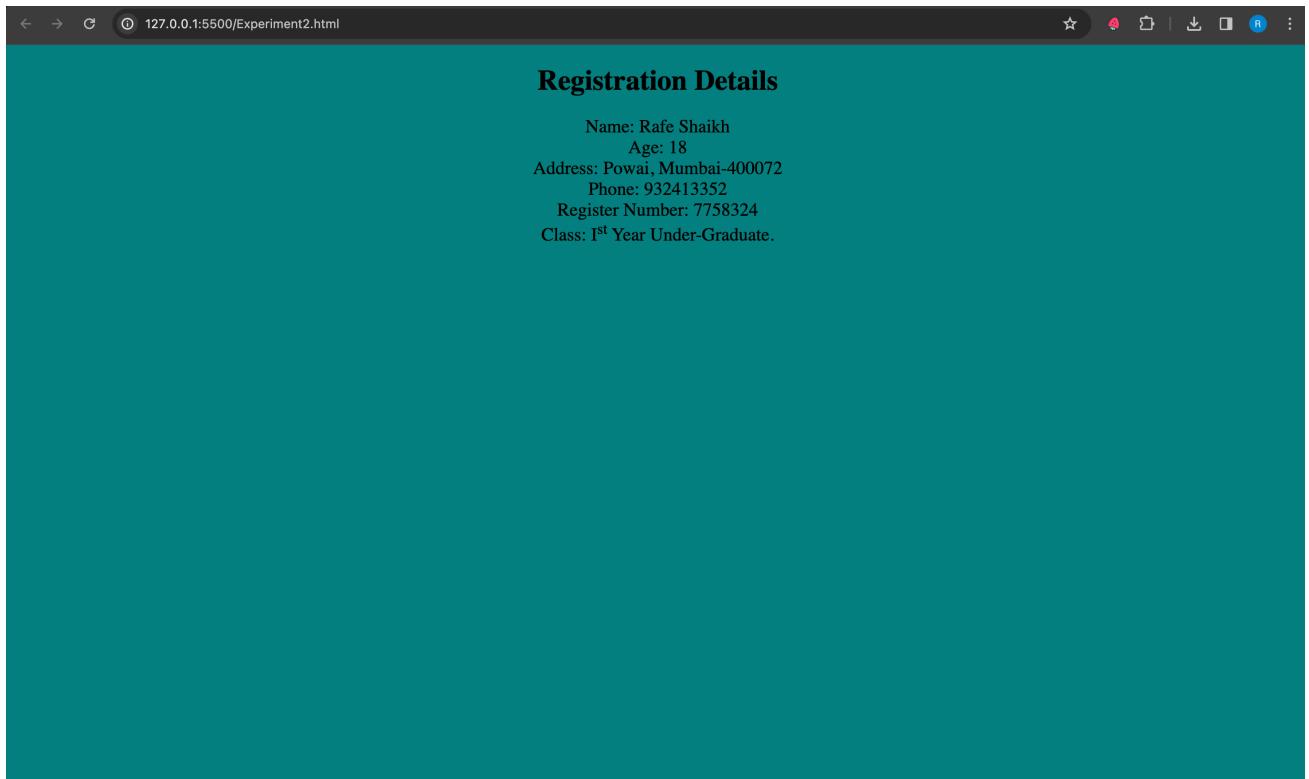
the contents of the element in the document; it can be used to align the content to the left side, right side, and in the centre of the browser screen.

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: teal;">  
    <h1 align="center">Registration Details</h1>  
  
    <p align="center" style="font-size: 1.3rem;">  
        Name: Rafe Shaikh <br>  
        Age: 18 <br>  
        Address: Powai, Mumbai-400072 <br>  
        Phone: 932413352 <br>  
        Register Number: 7758324 <br>  
        Class: Ist Year Under-Grauate.  
    </p>  
  
</body>  
</html>
```

Output: (screenshot)



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: Rafe Shaikh

Roll Number: 18

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:

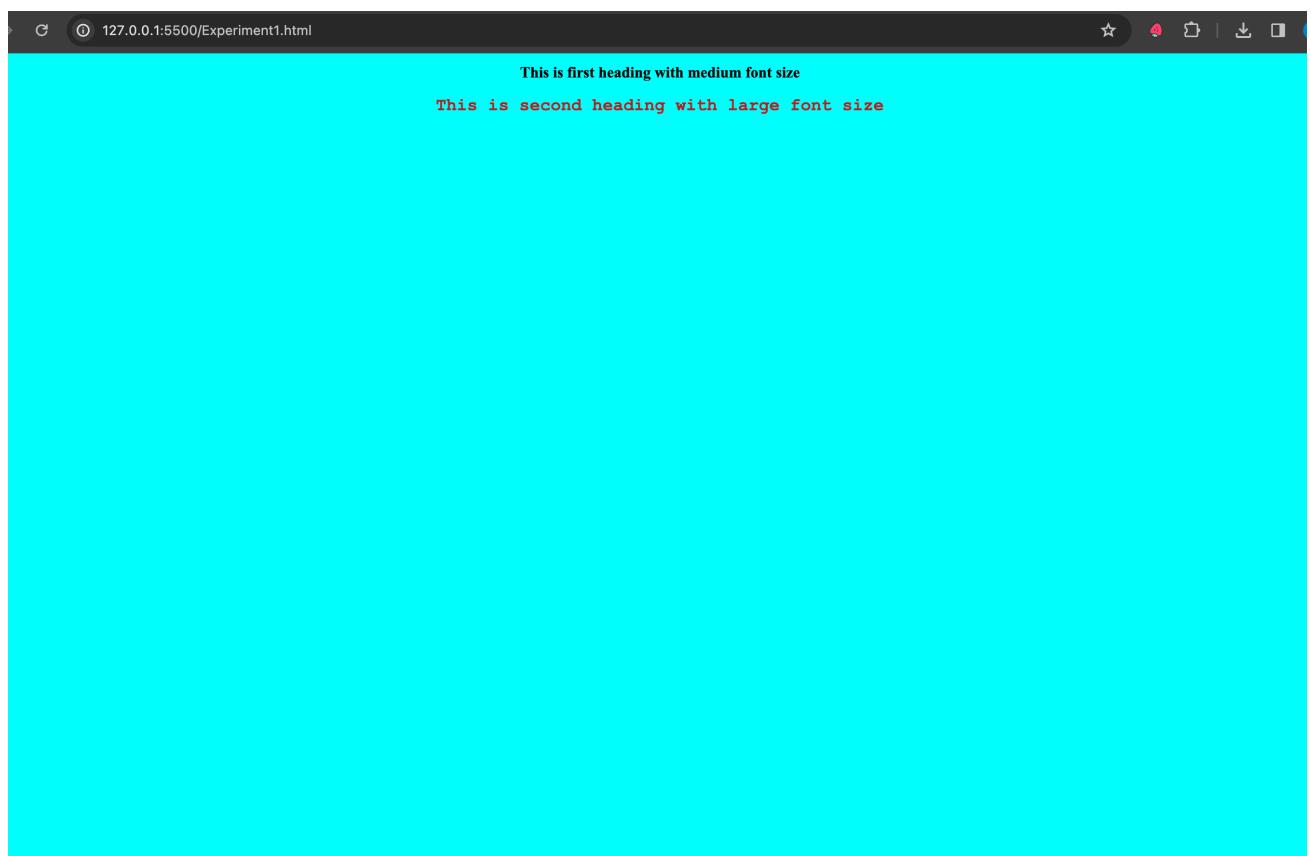
```
<!--Create a web page with an appropriate image towards the left  
hand  
side of the page, when user clicks on the image another web page  
should open.-->  
  
<!DOCTYPE html>  
<html lang="en">  
<head>  
    <meta charset="UTF-8">  
    <meta name="viewport" content="width=device-width, initial-  
scale=1.0">  
    <title>Clickable Image to go to another webpage</title>  
</head>  
<body>  
    <a href="/Experiment1.html">  
          
    </a>  
    <p>Click the Image to go to another Webpage</p>  
</body>  
</html>
```

Output: (screenshot)



e Image to go to another Webpage

Test Case: Any two (screenshot)



After clicking on the image-

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

Name of Student: Rafe Shaikh

Roll Number: 18

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: 10px;
            box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
        }
        nav a {
            color: #fff;
            text-decoration: none;
        }
    </style>
</head>
<body>
    <table border="1">
        <thead>
            <tr>
                <th>Section A</th>
                <th>Section B</th>
            </tr>
        </thead>
        <tbody>
            <tr>
                <td>Content A1</td>
                <td>Content B1</td>
            </tr>
            <tr>
                <td>Content A2</td>
                <td>Content B2</td>
            </tr>
        </tbody>
    </table>
    <nav>
        <a href="#sectionA">Section A</a>
        <a href="#sectionB">Section B</a>
    </nav>
</body>

```

```
        margin: 0 15px;
    }
body {
    background-image: url(https://encrypted-
tbn0.gstatic.com/images? [REDACTED]
q=tbn:ANd9GcTDsou-9Yj0s2NTQ1pGx4zvMQj12BW1NUvgLA&usqp=CAU);
    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:
#f7f5f1e8; box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);">
        <h1 style="text-align: center; margin: 0; color: #0b0d0b;
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>Rafe Shaikh</span><br>
        <b>Mobile No: </b><span>+91 9324133522</span><br>
        <b>Email Id: </b><a href="https://mail.google.com/mail/u/
0/?fs=1&to=2023.rafes@isu.ac.in&tf=cm"><span>2023.lakshyad@isu.ac.in</span></a><br>
        <b>GitHub: </b><span><a href="https://github.com/Rafe-sk"
target="_blank">Rafe-sk</a></span><br>
        <b>LinkedIn: </b><span><a href="https://www.linkedin.com/in/rafe-shaikh-03336628a/" target="_blank">Rafe Shaikh</a></span><br>
```

```
<b>Twitter: </b><span><a href="https://twitter.com/http_rafe_" target="_blank">http_rafe_</a></span><br>
<b>Instagram: </b><span><a href="https://www.instagram.com/http.rafe_/" target="_blank">http.rafe_</a></span><br><br>
<hr id="aboutMe">
<ins style="color: #0a0909;"><b>About Me:</b></ins>
<ul>
<p>
<h4>
    <li>Date Of Birth: 19-10-2005</li>
    <li>A passionate computer science student studying at ITM Skills University Kharghar.</li>
        <li>Love to learn about AI/ML and learning new technologies.</li>
            <li>I am a first year BTech CSE student. Currently learning Python, C++, 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>MySQL</li>
    <li>Appsheet</li>
    <li>Canva</li>
    <li>Wix</li>
    <li>GitHub</li>
    <li>VS Code</li>
</h4>
</ul>
<hr id="hobbies">
<ins style="color: #040303;"><b>Hobbies:</b></ins>
<ul>
<h4>
    <li>Reading</li>
    <li>Listening to Music</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>2021</td>
    <td>80.80%</td>
  </tr>
  <tr>
    <td>2</td>
    <td>HSC</td>
    <td>2023</td>
    <td>61%</td>
  </tr>
  <tr>
    <td rowspan="2">3</td>
    <td rowspan="2">ISU</td>
    <td>Sem-I</td>
    <td>70%</td>
  </tr>
  <tr>
    <td>Sem-II</td>
    <td>Applied</td>
  </tr>
</table>
<br>
<hr>
</section>
</body>
</html>
```

Output: (screenshot)

The screenshot shows a resume page titled "RESUME". At the top, there is a navigation bar with links to "About Me", "Professional Skills", "Hobbies", and "Education". Below the navigation bar, there is a section for contact information:

Name: Rafe Shaikh
Mobile No: +91 9324133522
Email Id: 2023.lakhyad@isu.ac.in
GitHub: [Rafe-sk](#)
LinkedIn: [Rafe Shaikh](#)
Twitter: [http_rafe](#)
Instagram: [http.rafe](#)

On the right side of the contact information, there is a small profile picture of a man.

Below the contact information, there is a section titled "About Me:" which contains the following text:

- Date Of Birth: 19-10-2005
- A passionate computer science student studying at ITM Skills University Kharghar.
- Love to learn about AI/ML and learning new technologies.
- I am a first year BTech CSE student. Currently learning Python, C++, C and other programming languages.

There is a section titled "Professional Skills:" which lists the following skills:

- C
- C++
- Git
- Python
- Scratch
- MySQL
- Appsheet
- Canva
- Wix
- GitHub
- VS Code

There is a section titled "Hobbies:" which lists the following hobbies:

- Reading
- Listening to Music

Test Case: Any two (screenshot)

The screenshot shows a resume page with the same layout as the previous one, but it includes additional sections:

At the top, there is a section titled "About Me:" which contains the same text as the previous screenshot.

Below the "About Me:" section, there is a section titled "Professional Skills:" which lists the same skills as the previous screenshot.

Below the "Professional Skills:" section, there is a section titled "Hobbies:" which lists the following hobbies:

- Reading
- Listening to Music
- Competitive Coding

Below the "Hobbies:" section, there is a section titled "Education:" which contains a table:

Sr.No	University/Board	Year Of Passing	Percentage
1	SSC	2021	80.80%
2	HSC	2023	61%
3	ISU	Sem-I	70%
		Sem-II	Applied

When about me is clicked-

When professional skills is clicked-

The screenshot shows a web browser window with the URL 127.0.0.1:5500/Experiment4.html. The page content is as follows:

- About Me:**
 - Date Of Birth: 19-10-2005
 - A passionate computer science student studying at ITM Skills University Kharghar.
 - Love to learn about AI/ML and learning new technologies.
 - I am a first year BTech CSE student. Currently learning Python, C++, C and other programming languages.
- Professional Skills:**
 - C
 - C++
 - Git
 - Python
 - Scratch
 - MySQL
 - Appsheet
 - Canva
 - Wix
 - GitHub
 - VS Code
- Hobbies:**
 - Reading
 - Listening to Music
 - Competitive Coding
- Education:**

Sr.No	University/Board	Year Of Passing	Percentage
1	SSC	2021	80.80%
2	HSC	2023	61%
3	ISU	Sem-I	70%
		Sem-II	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: Rafe Shaikh

Roll Number: 18

Experiment No: 5

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

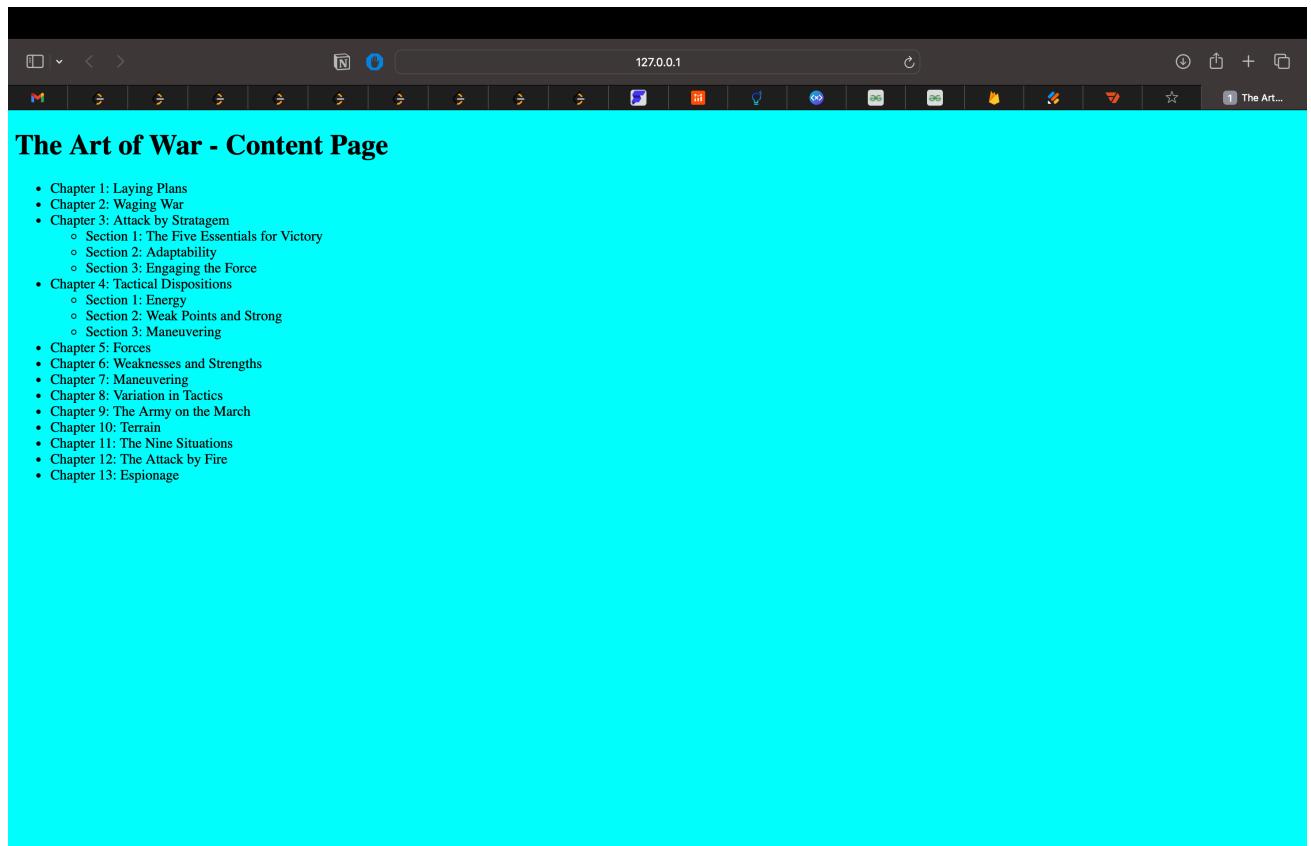
Theory: There are two types of lists in HTML- unordered and ordered lists, represented by `` and `` tags respectively. A nested list consists of list inside another list.

Code:

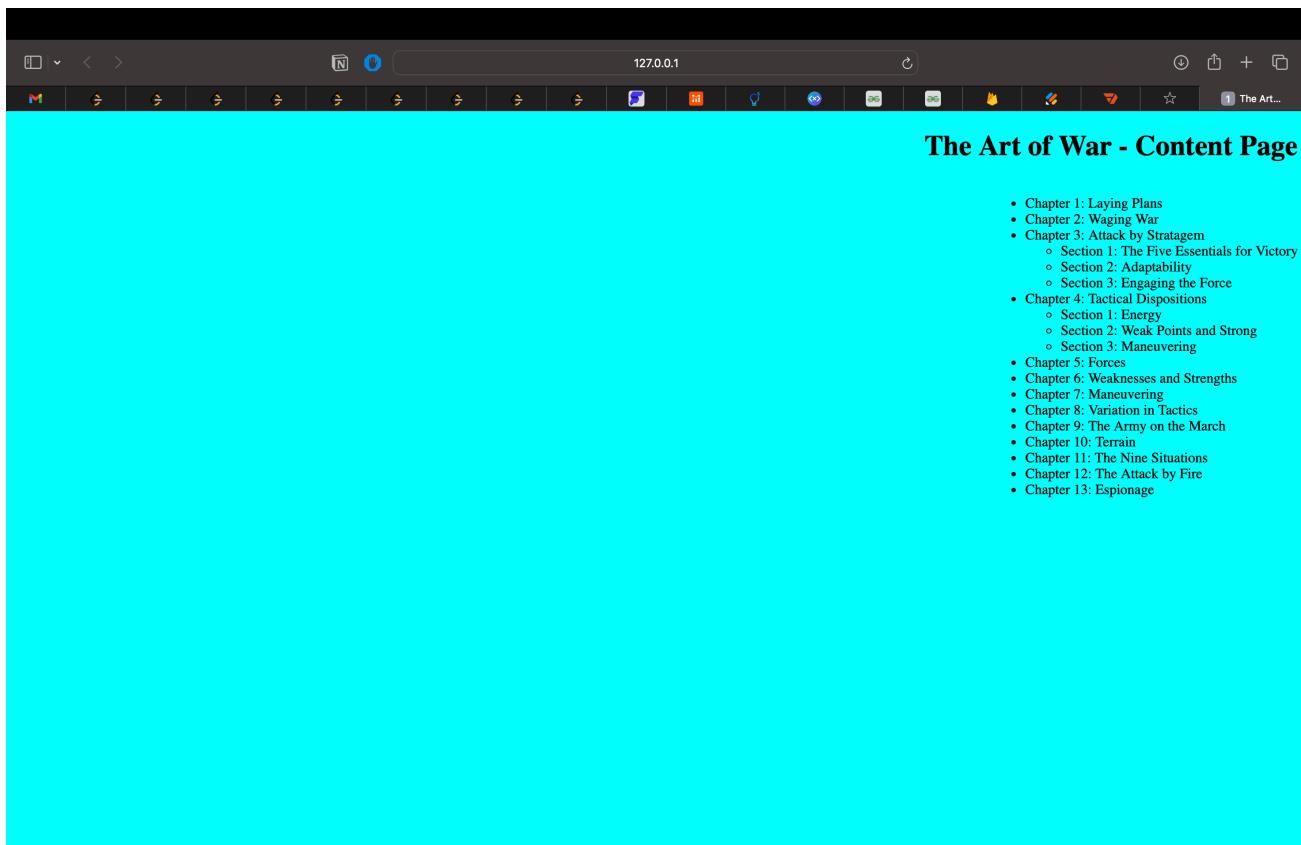
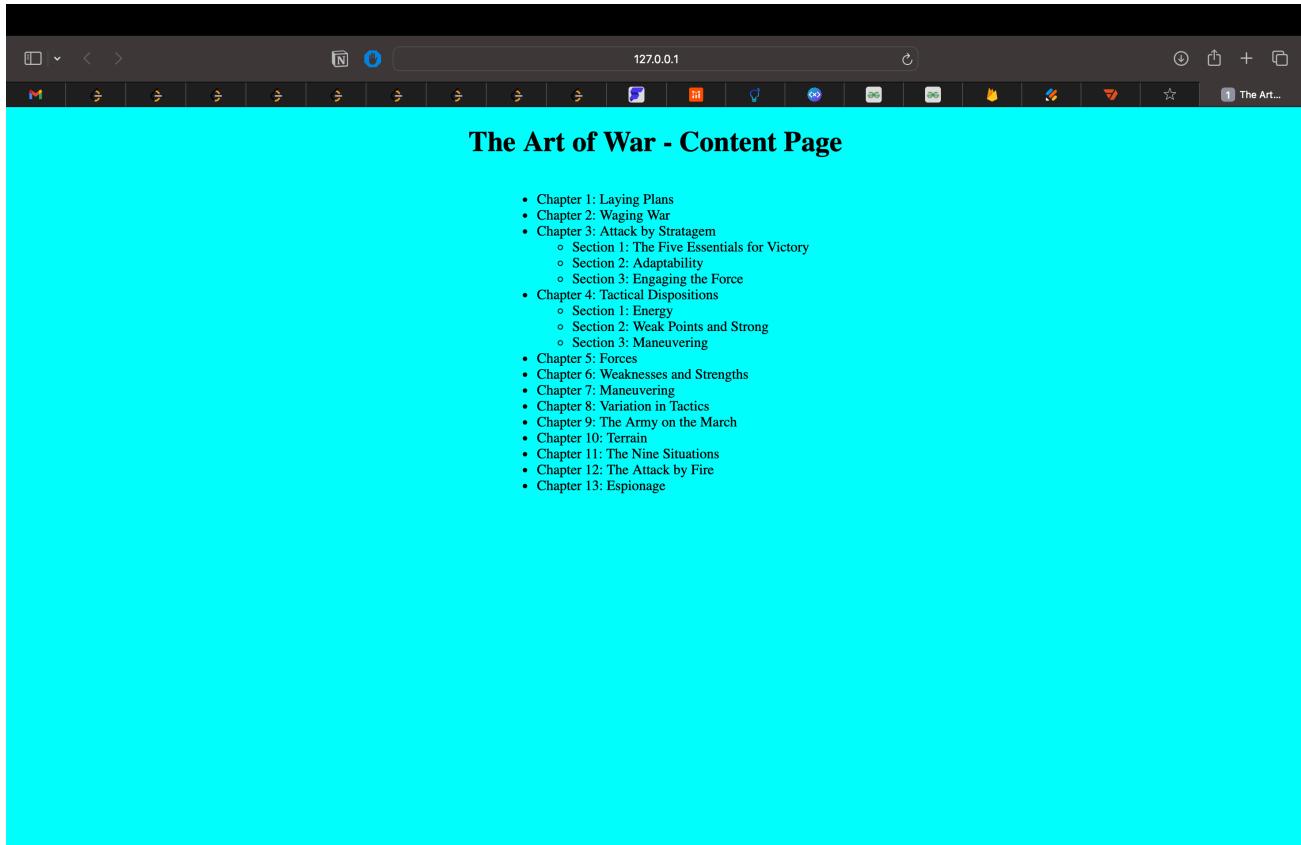
```
<!-- Create a HTML document containing a nested list showing a  
content [REDACTED]  
page of any book. -->  
<!DOCTYPE html>  
<html lang="en">  
  <head>[REDACTED]  
    <meta charset="UTF-8" />  
    <meta name="viewport" content="width=device-width, initial-  
scale=1.0" />[REDACTED]  
    <title>The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

```
<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)



Test Case: Any two (screenshot)



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

Name of Student: Rafe Shaikh

Roll Number: 18

Experiment No: 6

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

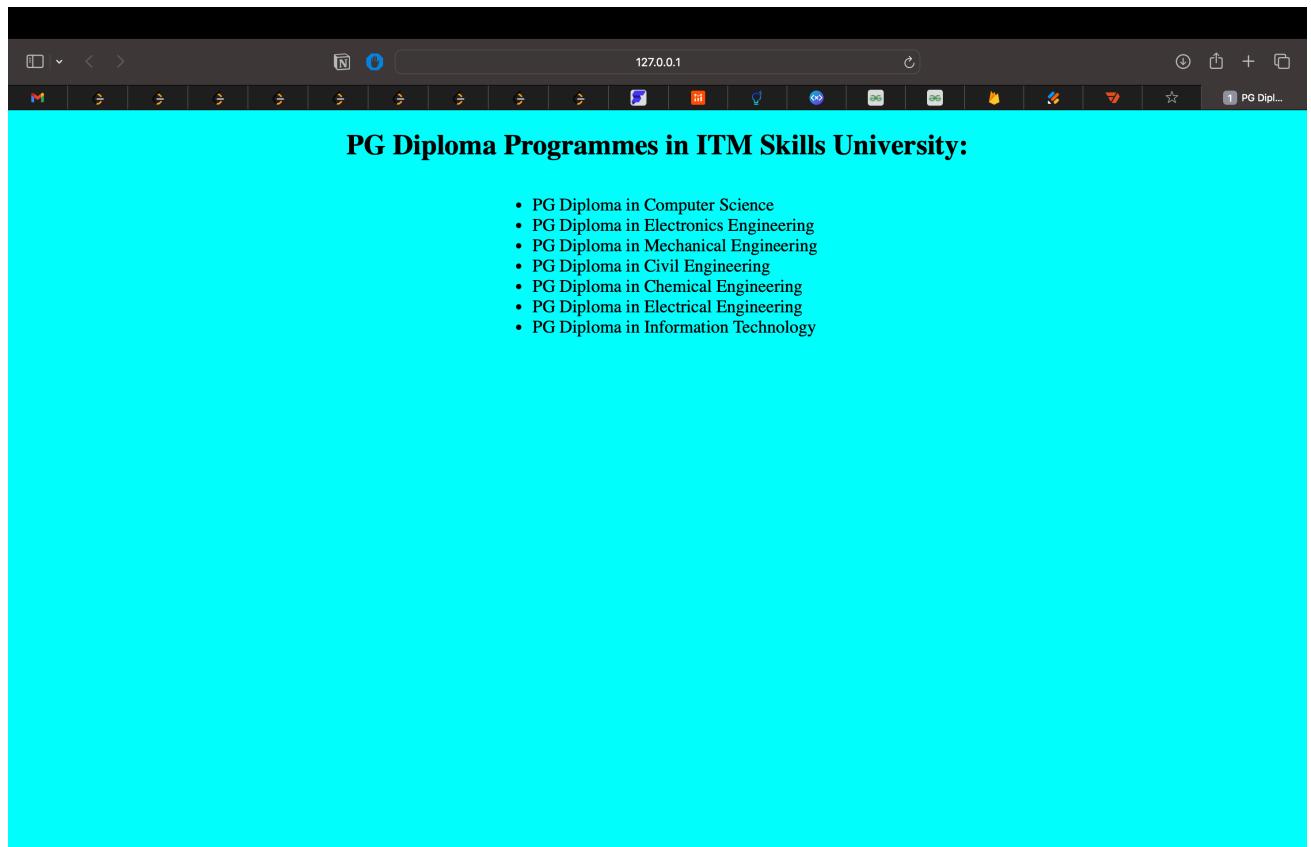
Theory: An unordered list consists of elements which are represented by squares, discs, triangles, etc.

Code:

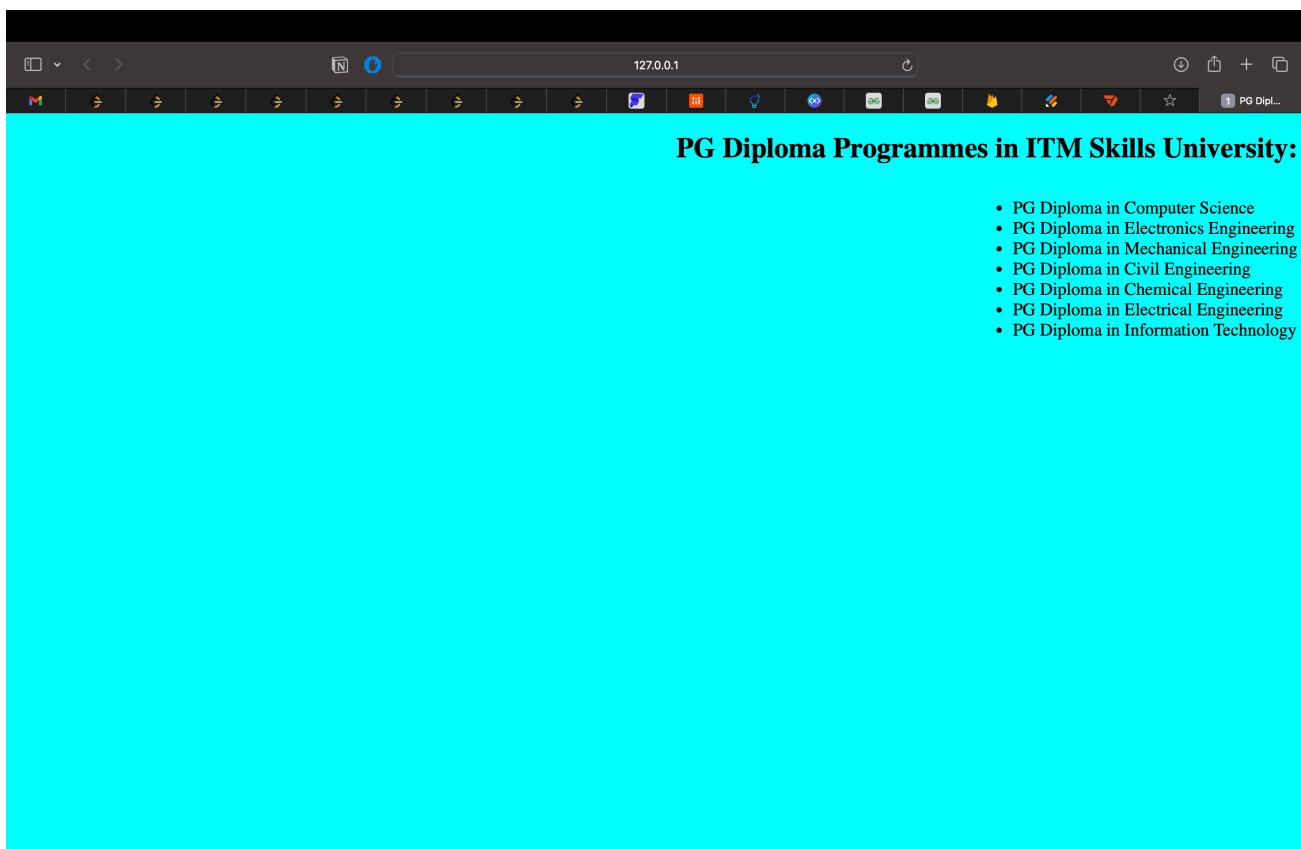
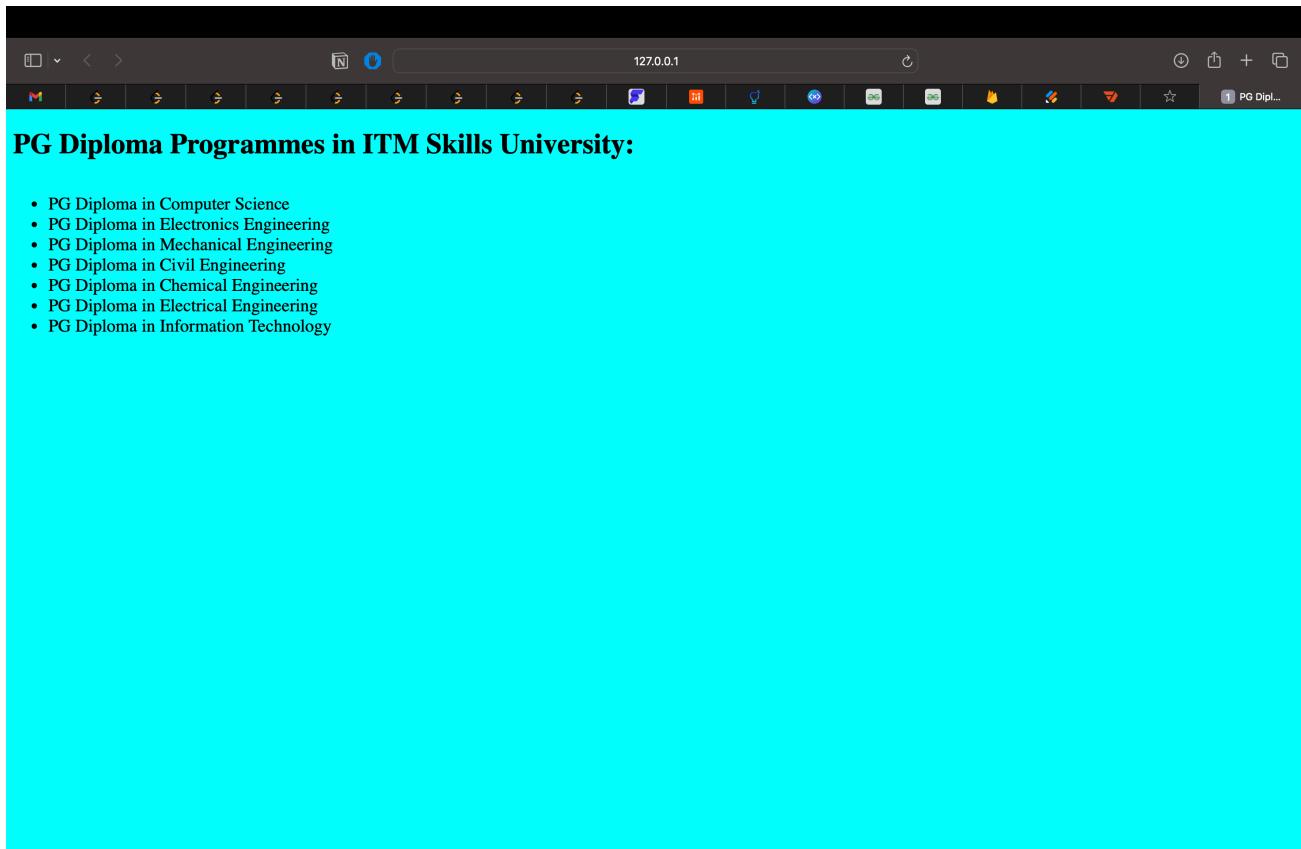
```
<!-- Create a web page, showing an unordered list of names of all  
the PG [REDACTED]  
Diploma Programmes (Branches) in your institution. -->  
<!DOCTYPE html>  
<html lang="en">  
<head>[REDACTED]  
    <meta charset="UTF-8">  
    <meta name="viewport" content="width=device-width, initial-  
scale=1.0">[REDACTED]  
    <title>PG Diploma Programmes</title>  
    <style>[REDACTED]  
        .container {  
            text-align: center;  
        }[REDACTED]  
        .xyz {  
            display: inline-block;  
            text-align: left;  
        }[REDACTED]  
        body {  
            background-color: aqua;  
        }[REDACTED]  
        h1 {  
            text-align: center;  
        }[REDACTED]  
        li {  
            font-size: 20px;  
        }[REDACTED]  
    </style>  
</head>[REDACTED]  
<body>[REDACTED]  
    <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)



Test Case: Any two (screenshot)



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

Name of Student: Rafe Shaikh

Roll Number: 18

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 black;  
        padding: 15px;  
        text-align: left;  
      }  
      th {  
        background-color: #565c56;  
        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. 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>Rafe Shaikh</td>
    <td>1st Year</td>
    <td>1/08/2023</td>
  </tr>
</table>
</body>
</html>
```

Output: (screenshot)



Batch Details

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

Test Case: Any two (screenshot)





Batch Details

Number	Student Name	Year/Semester	Date of Admission
	John Doe	4th Year	01/01/2020
	Jane Smith	2nd Year	15/08/2022
	Rafe Shaikh	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: Rafe Shaikh

Roll Number: 18

Experiment No: 8

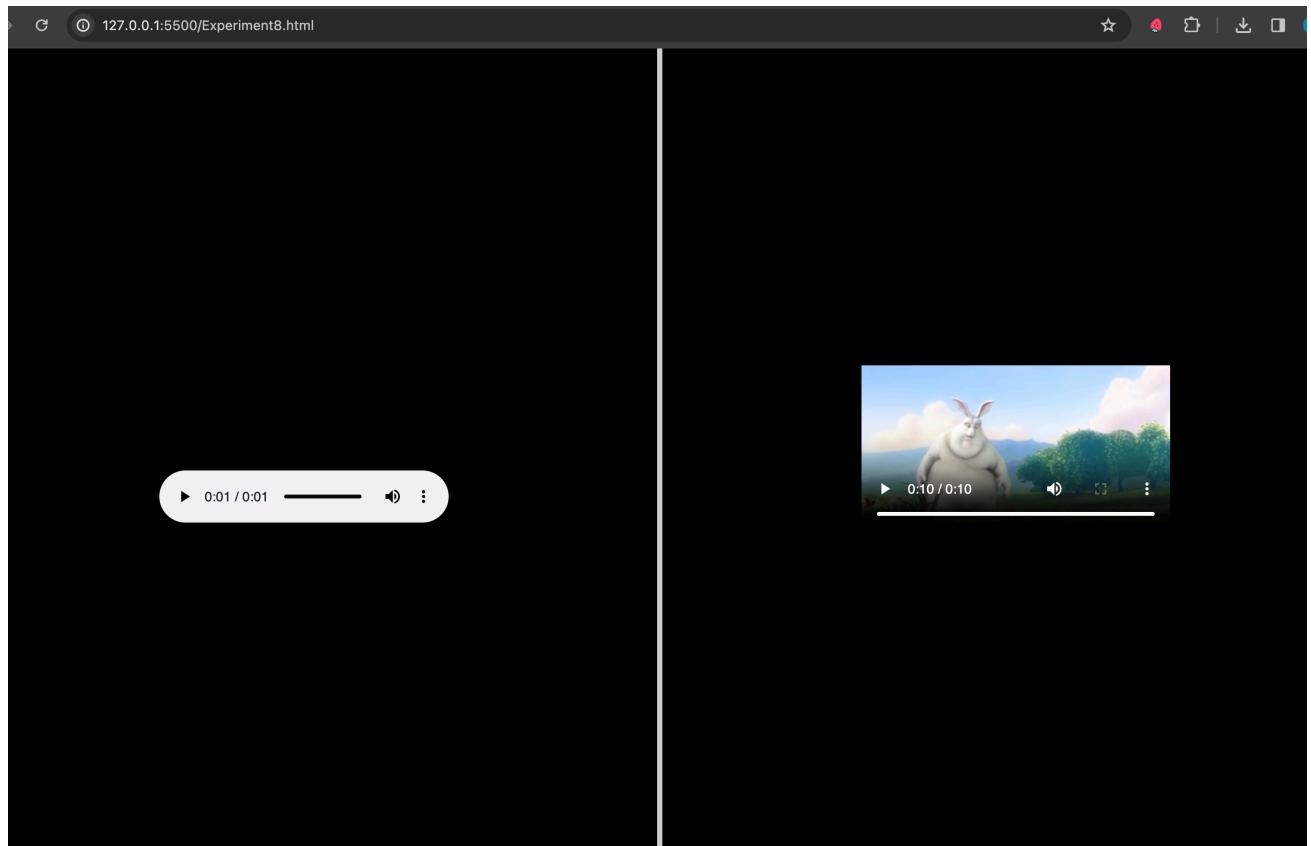
Title: Create a web page which divides the page in two equal frames and place the audio and video clips in frame-1 and frame-2 respectively

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

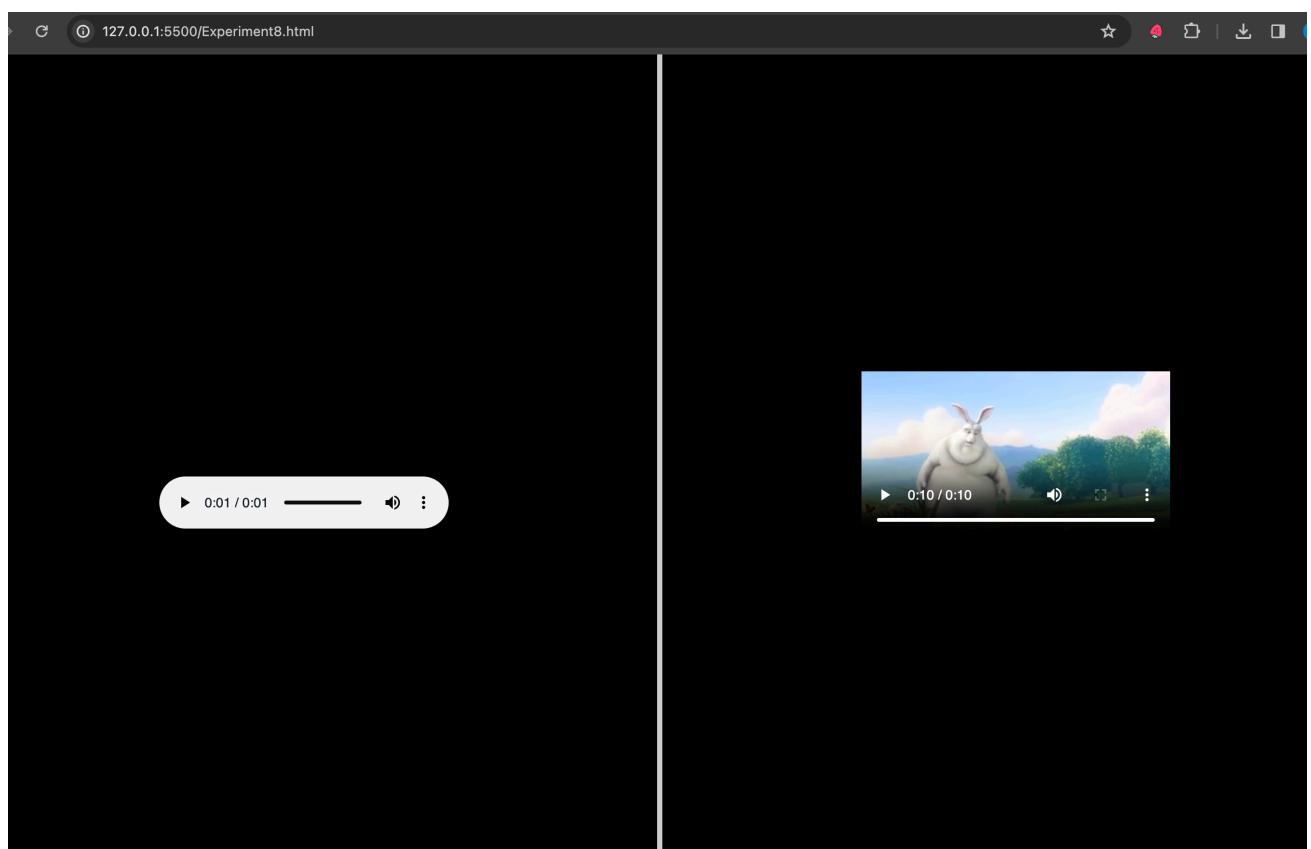
Code:

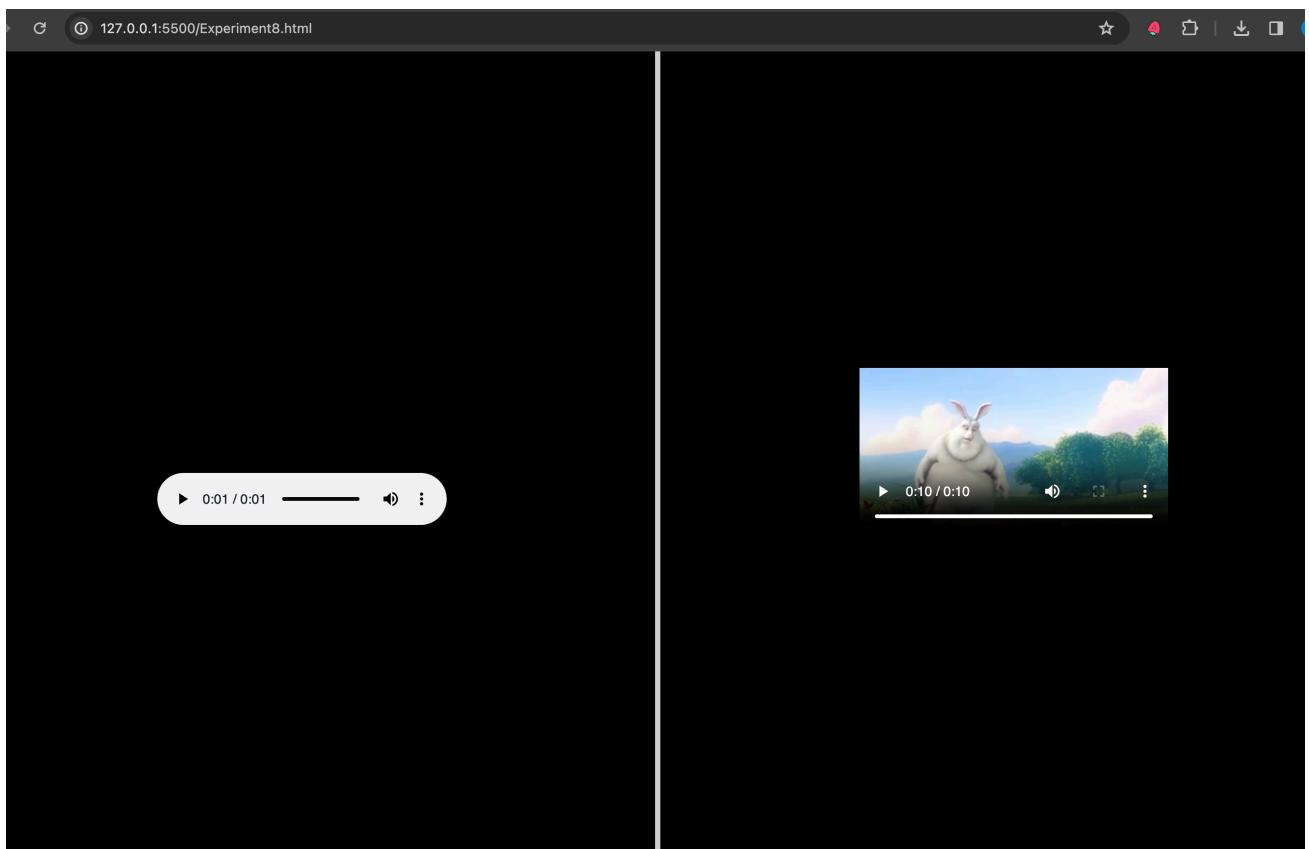
```
<!-- Create a web page which divides the page in two equal frames  
and [REDACTED]  
place the audio and video clips in frame-1 and frame-2  
respectively. -->  
<!DOCTYPE html>  
<html lang="en">  
<head>[REDACTED]  
    <meta charset="UTF-8">  
    <meta name="viewport" content="width=device-width, initial-  
scale=1.0">  
    <title>Audio and Video Clips</title>  
</head>[REDACTED]  
<frameset cols="50%, 50%">  
    <frame src="/horse.ogm" name="frame1">  
    <frame src="/images/mov_bbb.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: Rafe Shaikh

Roll Number: 18

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 to show contents of pages, 60% in center to show body of page, remaining on right to show remarks. -->
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Frame Layout</title>
</head>
<frameset cols="20%, 60%, *">
    <frame src="/Experiment2.html" name="contents">
    <frame src="/Experiment7.html" name="body">
    <frame src="/Experiment4.html" name="remarks">
</frameset>
</html>
```

Output: (screenshot)

The screenshot shows a web page with three main sections. On the left, a sidebar displays 'Registration Details' with personal information: Name: Rafe Shaikh, Age: 18, Address: Powai, Mumbai - 400072, Phone: 932413352, Register Number: 7758324, and Ist Year Under-Graduate. The central part of the page is titled 'Batch Details' and contains a table with four rows and four columns. The columns are 'Reg. Number', 'Student Name', 'Year/Semester', and 'Date of Admission'. The data is as follows:

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	Rafe Shaikh	1st Year	1/08/2023

On the right, there is a 'RESUME' section with tabs for 'About Me', 'Profes', 'Skills', 'Hobbies', and 'Ed'. The 'About Me' tab is active, displaying the following information:

Name: Rafe Shaikh
Mobile No: +91 9324133522
Email Id: 2023.lakshyad@isu.ac.in
GitHub: [Rafe-sk](#)
LinkedIn: [Rafe Shaikh](#)
Twitter: [http://rafe](#)
Instagram: [http://rafe](#)

About Me:

- Date Of Birth: 19-10-2005
- A passionate computer science student studying at ITM Skills University Kharghar.
- Love to learn about AI/ML and learning new technologies.

Test Case: Any two (screenshot)

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: Rafe Shaikh

Roll Number: 18

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: aqua;
      }
      .country-label {
        display: inline-block;
        margin-right: 10px;
      }
      .capital {
        font-size: 20px;
        color: blue;
        font-weight: bold;
      }
      input[type="radio"] {
        display: none;
      }
    </style>
  </head>
  <body>
    <form>
      <label for="country">Select a Country:</label>
      <select id="country">
        <option value="1">India</option>
        <option value="2">USA</option>
        <option value="3">UK</option>
        <option value="4">Canada</option>
        <option value="5">Australia</option>
      </select>
      <span>Capital:</span>
      <span id="capital"></span>
    </form>
  </body>
</html>
```

```
}

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 States
            <span class="capital">Washington, D.C.</span>
        </label>
    </div>
    <br />
    <div>
        <input type="radio" name="country" id="Canada" value="Canada" />
        <label for="Canada" class="country-label">
            Canada
            <span class="capital">Ottawa</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>
<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)

Test Case: Any two (screenshot)

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

