

## **HTML LAB**



### **Prepared by:**

Name of Student : Tanish

Roll No: 32

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**

<b>Exp. No</b>	<b>List of Experiment</b>	<b>Date of Submission</b>	<b>Sign</b>																								
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><b>Reg. Number</b></th><th><b>Student Name</b></th><th><b>Year/Semester</b></th><th><b>Date of Admission</b></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>	<b>Reg. Number</b>	<b>Student Name</b>	<b>Year/Semester</b>	<b>Date of Admission</b>																						
<b>Reg. Number</b>	<b>Student Name</b>	<b>Year/Semester</b>	<b>Date of Admission</b>																								
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><b>FRAME-1</b></th><th><b>FRAME-2</b></th></tr> </thead> <tbody> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </tbody> </table>	<b>FRAME-1</b>	<b>FRAME-2</b>																								
<b>FRAME-1</b>	<b>FRAME-2</b>																										

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:** Tanish

**Roll Number:** 32

**Experiment No:** 1

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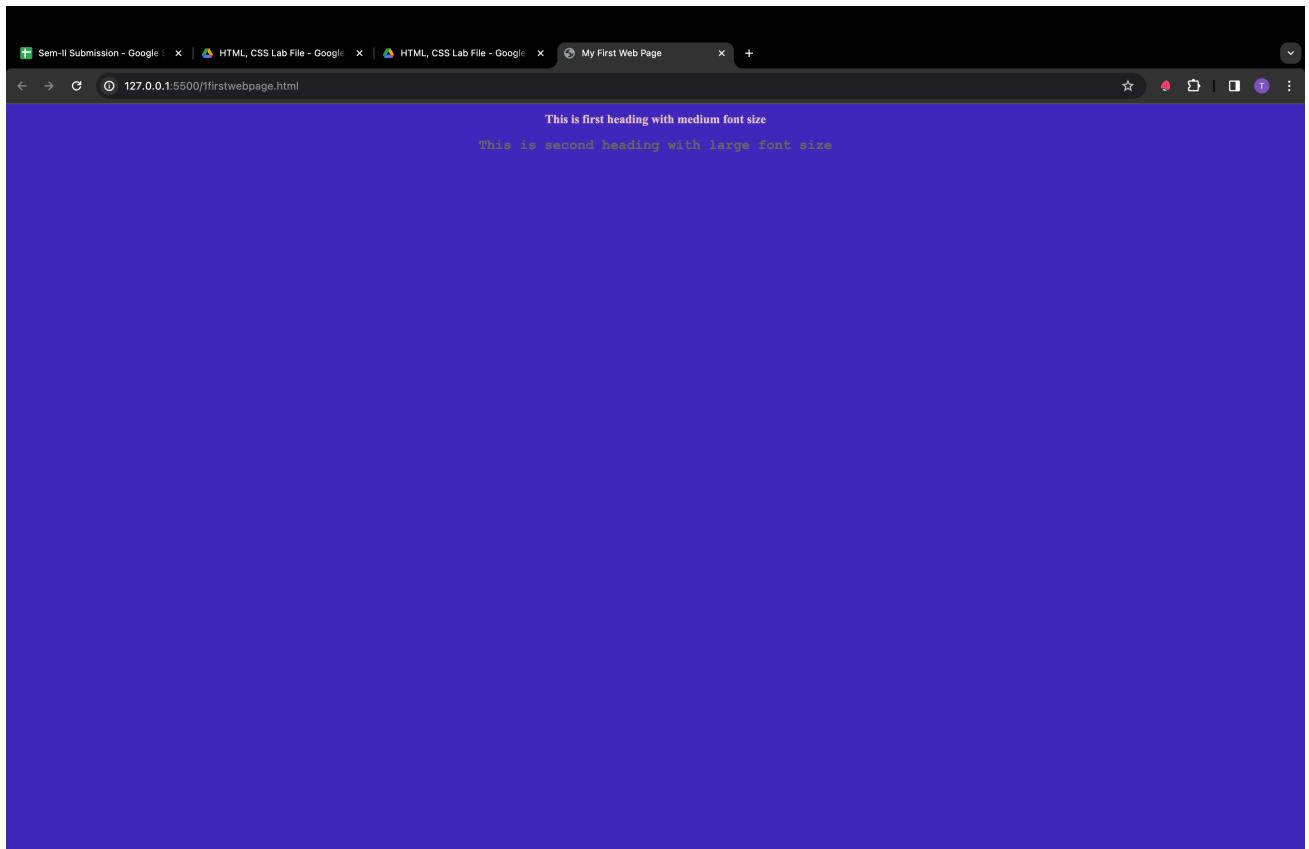
**Title:** Design a page having suitable background colour and text colour with title “My First Web Page” using all the attributes of the Font tag.

**Theory:** The **<font>** 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).

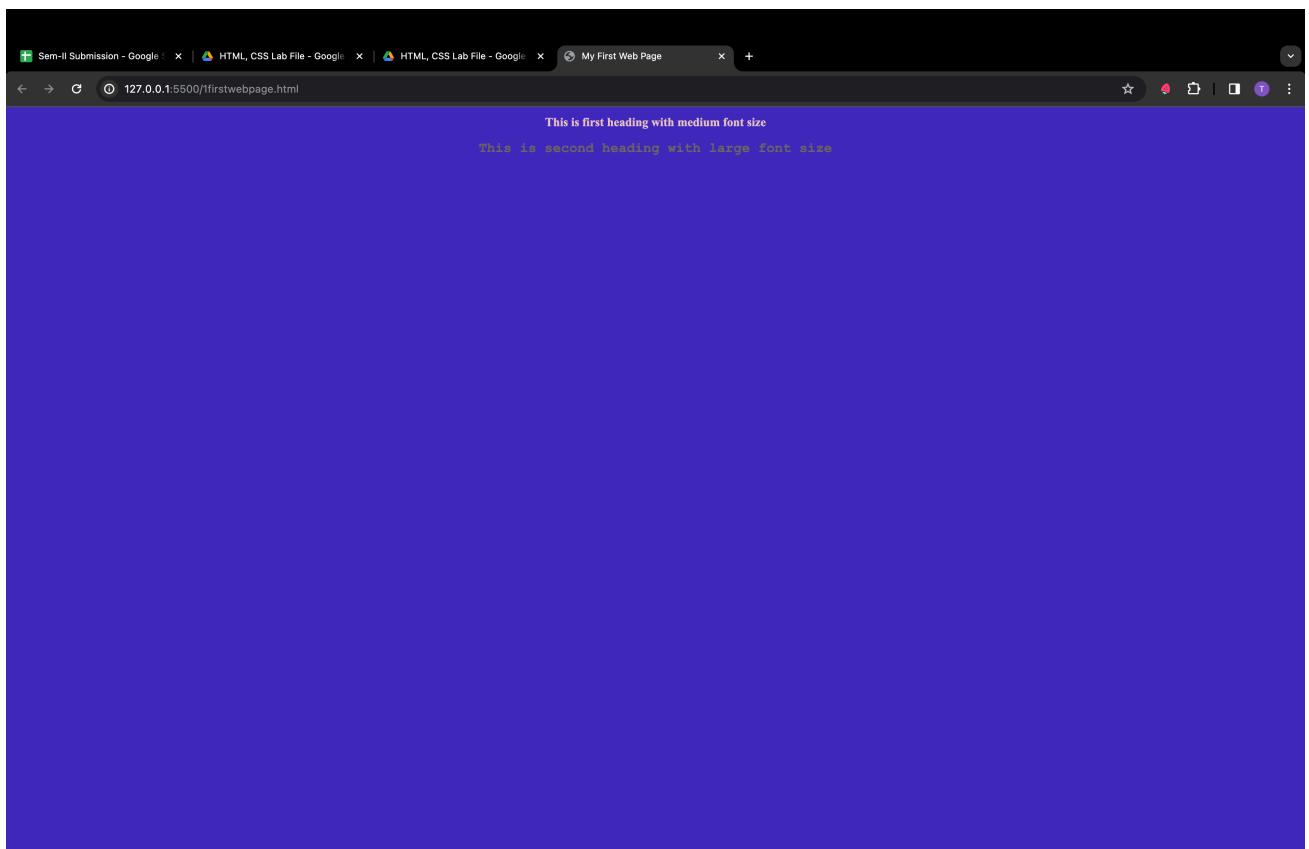
**Code:**

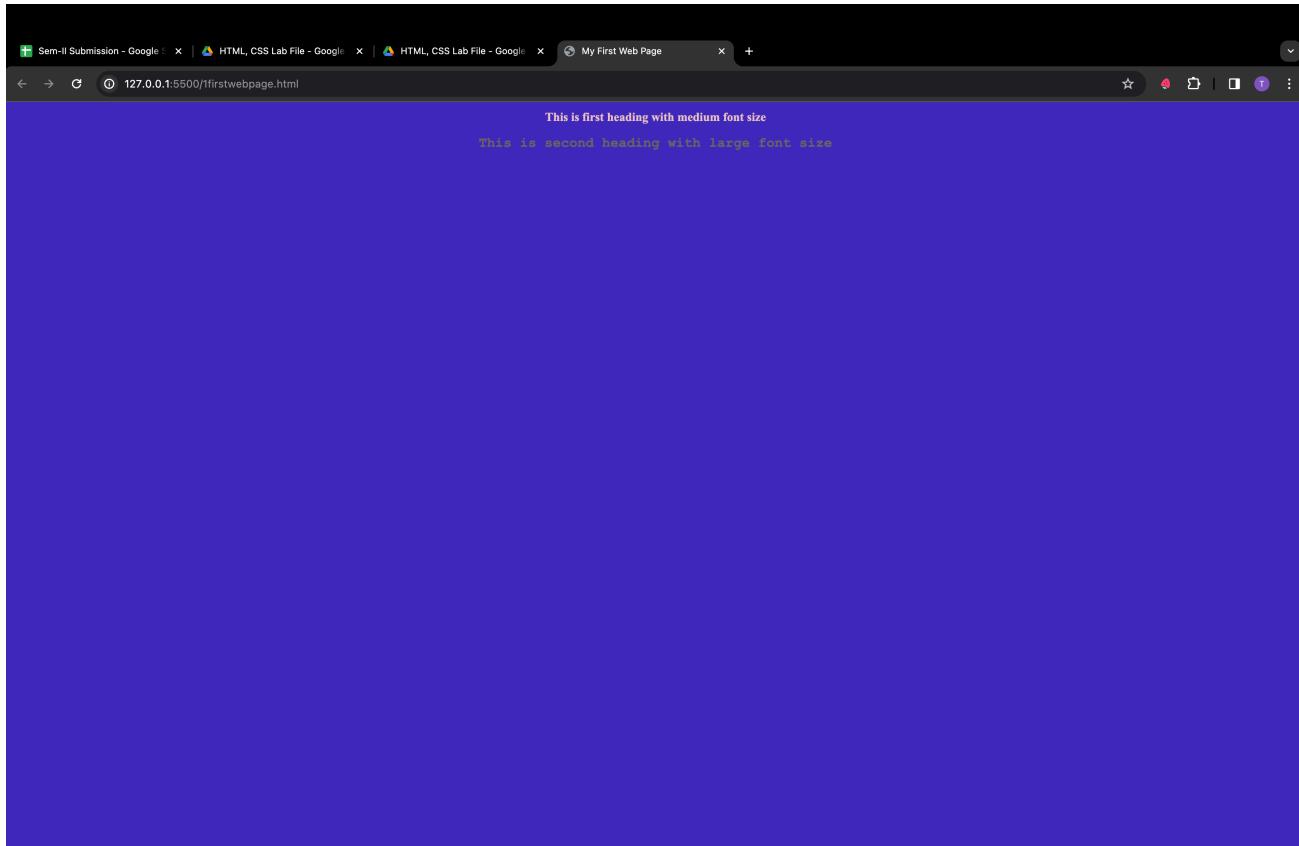
```
<!-- Design a page having suitable background colour and text
colour [REDACTED]
with title "My First Web Page" using all the attributes of the Font
tag. --> [REDACTED]
<!DOCTYPE html>
<html lang="en">
<head> [REDACTED]
    <meta charset="UTF-8">
    <link href="style.css" rel="stylesheet">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0"> [REDACTED]
    <title>My First Web Page</title>
</head> [REDACTED]
<body style="background-color: rgb(65, 43, 190); align="center">
    <h1 style="font-family: 'Times New Roman', Times, serif; font-
size: medium; color: rgb(236, 194, 194);">This is first heading
with medium font size</h1> [REDACTED]
    <h2 style="font-family: 'Courier New', Courier, monospace;
font-size: large; color: rgb(110, 100, 100);">This is second
heading with large font size</h2>
</body>
</html>
```

## Output: (screenshot)



## Test Case: Any two (screenshot)





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

**Name of Student:** Tanish

**Roll Number:** 32

**Experiment No:** 2

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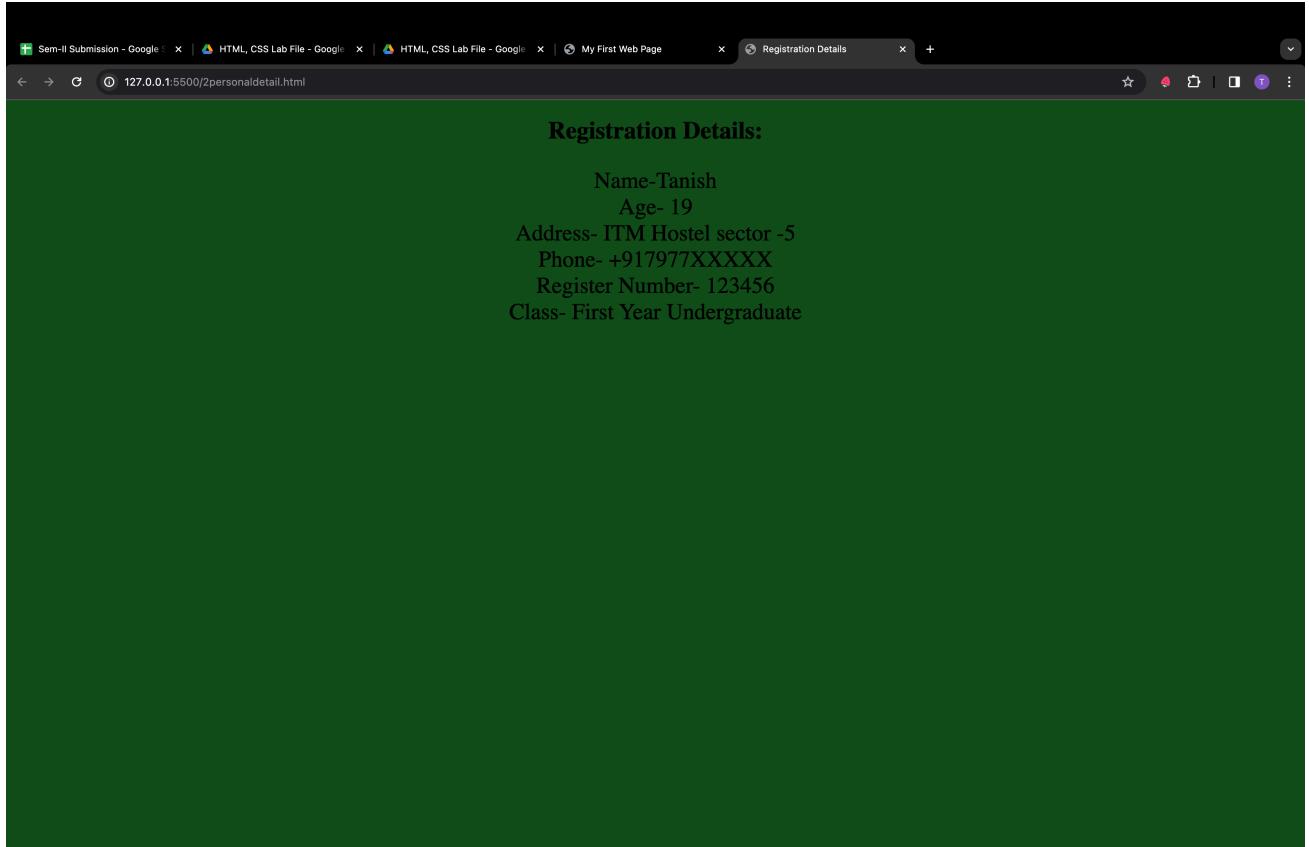
**Title:** Create a HTML document giving details of your [Name, Age], [Address, Phone] and [Register Number, Class] aligned in proper order using alignment attributes of Paragraph tag.

**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.

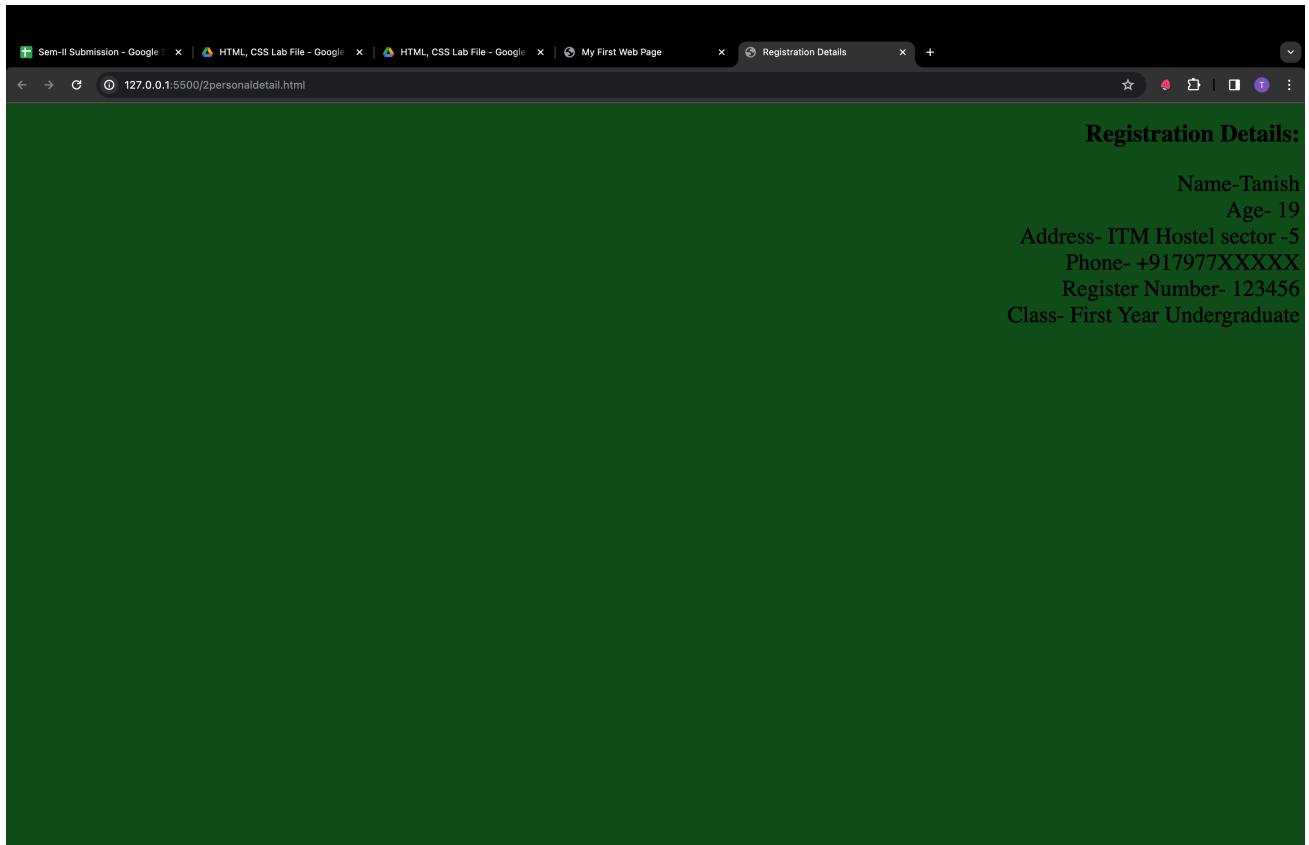
**Code:**

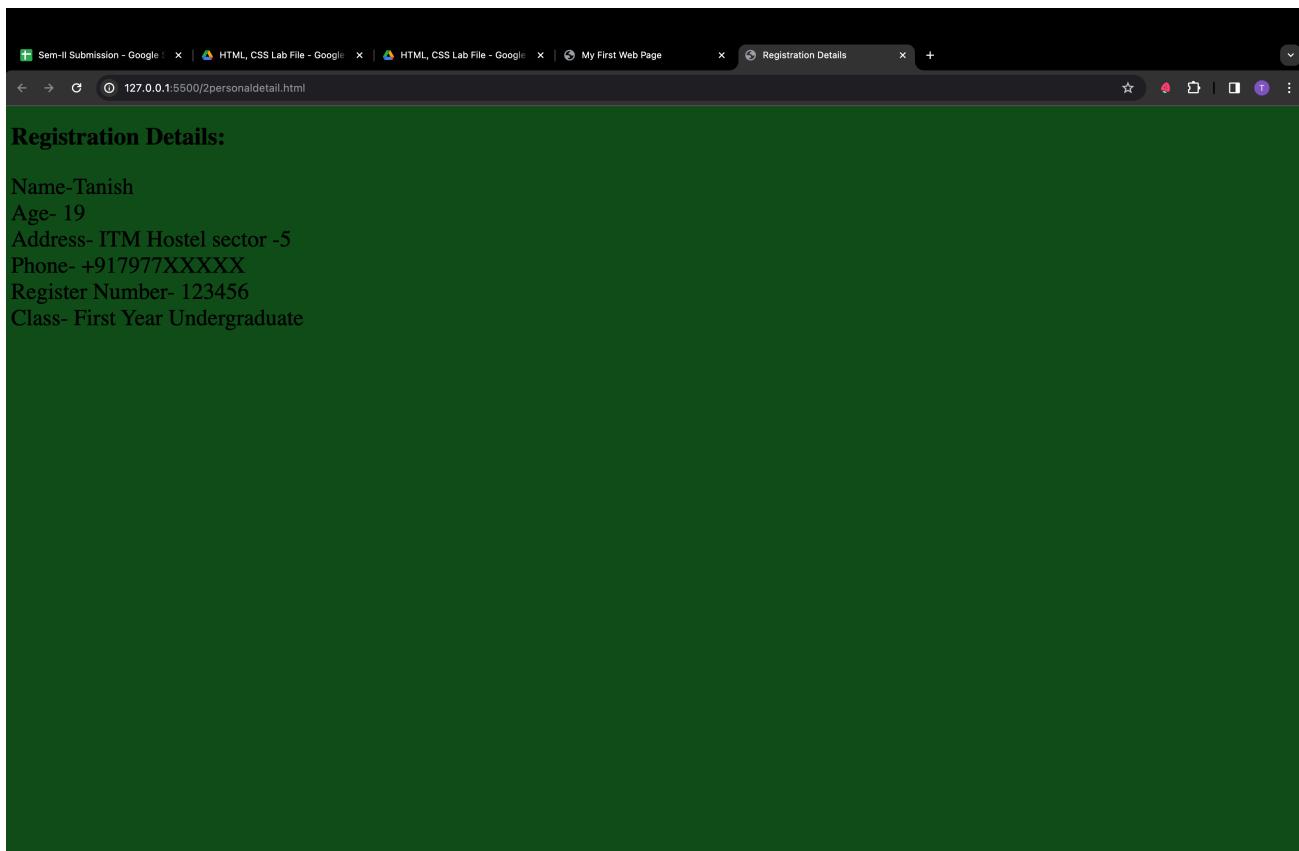
```
<!-- Create a HTML document giving details of your [Name, Age],  
[Address, Phone] and [Register Number, Class] aligned in proper  
order using alignment attributes of Paragraph tag. -->  
<!DOCTYPE html>  
<html lang="en">  
  <head>  
    <meta charset="UTF-8" />  
    <link href="style.css" rel="stylesheet" />  
    <meta name="viewport" content="width=device-width, initial-  
scale=1.0" />  
    <title>Registration Details</title>  
  </head>  
  <body style="background-color: rgb(14, 77, 26)">  
    <h1 align="center">Registration Details:</h1>  
    <p align="center" style="font-size: 30px">  
      Name-Tanish<br />Age- 19<br />Address- ITM Hostel sector -5  
      <br />Phone- +917977XXXXX<br />Register Number- 123456<br />  
    >Class- First  
      Year Undergraduate  
    </p>  
  </body>  
</html>
```

## Output: (screenshot)



## Test Case: Any two (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:** Tanish

**Roll Number:** 32

**Experiment No:** 3

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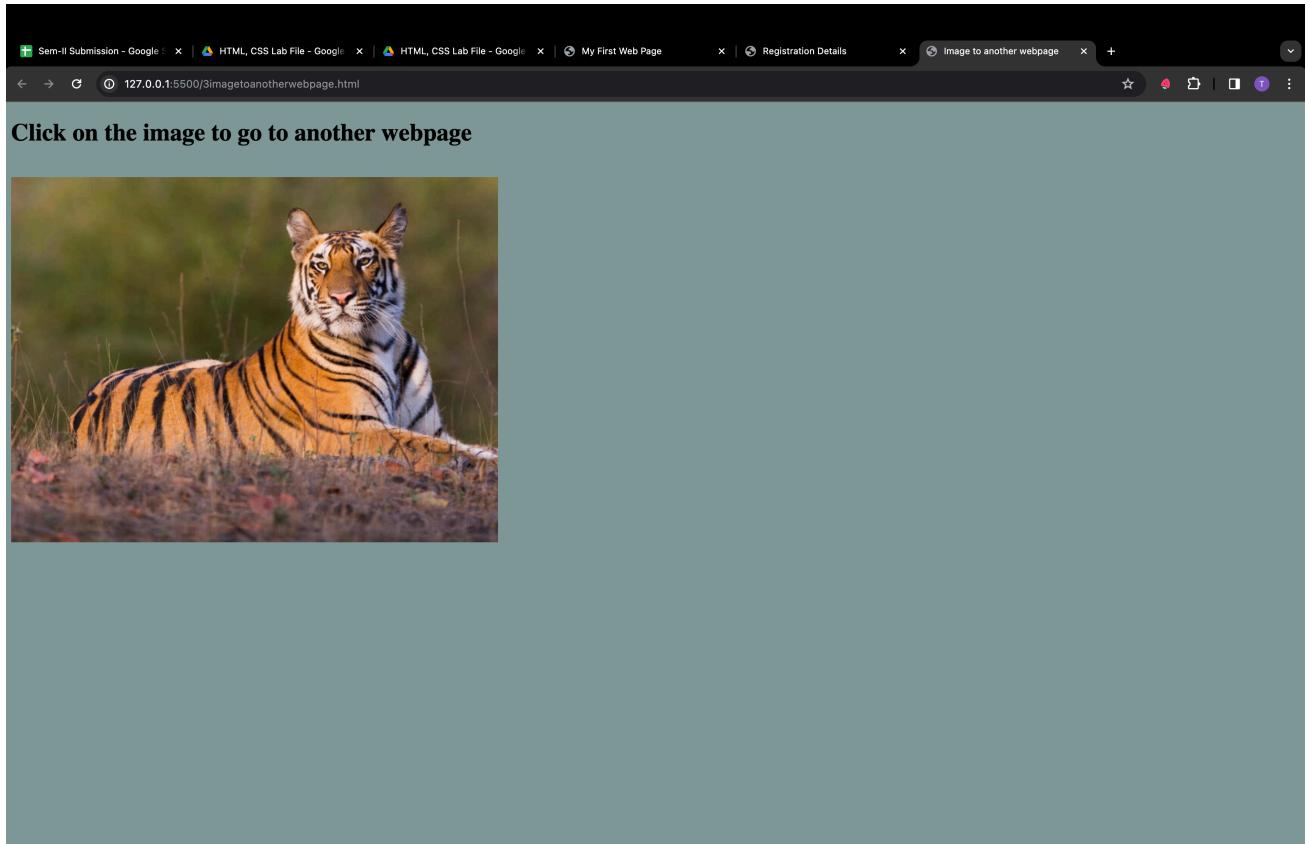
**Title:** Create a web page with an appropriate image towards the left hand side of the page, when user clicks on the image another web page should open.

**Theory:** <img> 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:**

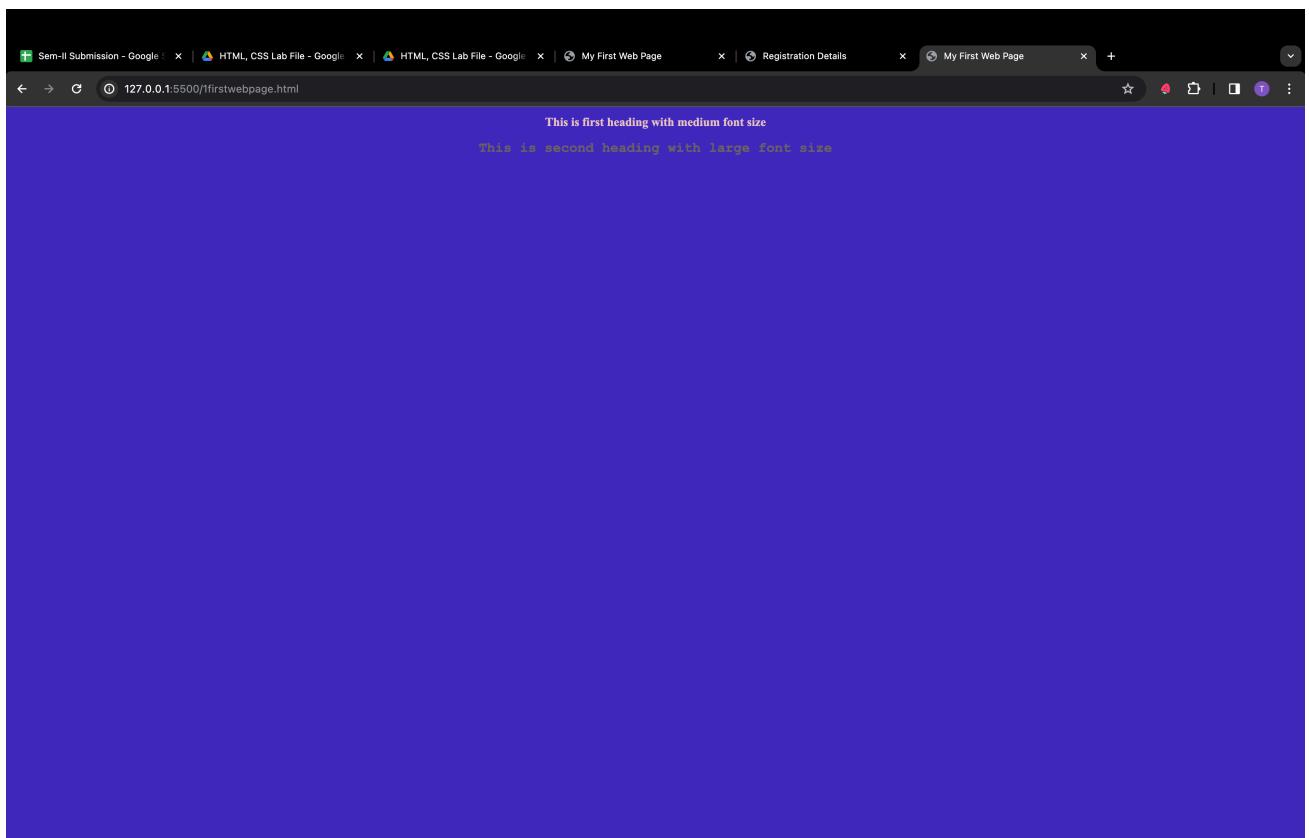
```
<!-- Create a web page with an appropriate image towards the left hand side of the page, when user clicks on the image another web page should open. -->
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <link href="style.css" rel="stylesheet" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Image to another webpage</title>
  </head>
  <body style="background-color: rgb(129, 152, 152)">
    <h1>Click on the image to go to another webpage</h1>
    <br />
    <a href="/1firstwebpage.html">
      <></a>
    </body>
</html>
```

## Output: (screenshot)



## Test Case: Any two (screenshot)

After clicking on the image-



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

**Name of Student:** Tanish

**Roll Number:** 32

**Experiment No:** 4

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**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:**

```
<html>
    <head>
        <title>My Resume</title>
    </head>
    <nav height="100" width="100%">
        <h1 align="center"><ins>RESUME</ins></h1>
    </nav>

    <body width="50%">
        <br>
        <b>TANISH SINGH</b>
        <br>
        <b>Mobile No:</b>7977732099<br>
        <b>Email Id:</b>tanishkummar934@gmail.com<br>
        <b>Address:</b>ITM SKILLS UNIVERSITY<br><br>
        <hr>
        <hr>

        <ins><b> CAREER OBJECTIVE :- </b></ins>
        <p>
        <ul>
            <li>To leverage my strong foundation in computer engineering, passion for innovative technologies, <br> and problem-solving skills to contribute effectively to a dynamic organization, while continuously <br> advancing my expertise and embracing opportunities for professional growth
            </li>
        </ul>
```

```
</p>

<ins><b> ACADEMIC QUALIFICATION :- </b></ins>
<ul>
    <li>12th from Ranvijay Smarak INT Mahavidyala </li>
    <li>10th from Chinmaya Vidyalaya</li>
</ul>

<ins><b> PROFESSIONAL SKILLS :- </b></ins>
<ul>
    <li>Languages:
        <ol>
            <li>C++</li>
            <li>Scratch</li>
            <li>Python</li>
            <li>Adobe photoshop</li>
        </ol>
    </li>
</ul>

<ins><b> WORK EXPERIENCE :- </b></ins>
<ul><li>Fresher</li></ul>

<ins><b>Personal Details:</b></ins>
<p>Fathers Name:Sri prakash</p>
<p>Date of Birth: 22/03/2004</p>
<p>Languages Known: ENGLISH, HINDI </p>
<p>Hobbies: Driving cars and bikes, Reading novels</p>
</body>

<head>
    <title>Table</title>
</head>

<body>
    <table border="2" width="100%">
        <th colspan="4" bgcolor="#randi69">Educational Details</th>
        <tr bgcolor="white">
            <th>Sr.No</th>
            <th>Board/University</th>
            <th>Year of Passing </th>
            <th>Percentage</th>
        </tr>
        <tr>
            <td>1</td>
            <td>10th</td>
            <td>2020</td>
            <td>67.00%</td>
        </tr>
    </table>
</body>
```

```
</tr>
<tr>
    <td>2</td>
    <td>12th</td>
    <td>2022</td>
    <td>81.20%</td>
</tr>
<tr>
    <td rowspan="2">3</td>
    <td rowspan="2">ISU</td>
    <td>Sem-I</td>
    <td rowspan="2">NA</td>
</tr>
    <td>Sem-II</td>
</tr>
</table>
</body>

</html>
```

## Output: (screenshot)

The screenshot shows a resume page titled "RESUME" for Tanish Singh. The page includes personal information, career objective, academic qualification, professional skills, work experience, and personal details. A photograph of the author is displayed on the right side.

**Personal Information:**

TANISH SINGH  
Mobile No: 7977732099  
Email Id: tanishkummar934@gmail.com  
Address: ITM SKILLS UNIVERSITY

**CAREER OBJECTIVE :-**

- To leverage my strong foundation in computer engineering, passion for innovative technologies, and problem-solving skills to contribute effectively to a dynamic organization, while continuously advancing my expertise and embracing opportunities for professional growth

**ACADEMIC QUALIFICATION :-**

- 12<sup>th</sup> from Ranvijay Smarak INT Mahavidyalaya
- 10<sup>th</sup> from Chimmaya Vidyalaya

**PROFESSIONAL SKILLS :-**

- Languages:
  - C++
  - Scratch
  - Python
  - Adobe photoshop

**WORK EXPERIENCE :-**

- Fresher

**Personal Details:**

Fathers Name: Sri prakash  
Date of Birth: 22/03/2004  
Languages Known: ENGLISH, HINDI  
Hobbies: Driving cars and bikes, Reading novels

Educational Details			
Sr.No	Board/University	Year of Passing	Percentage
1	10th	2020	67.00%
2	12th	2022	81.20%
3	ISU	Sem-I Sem-II	NA

## Test Case: Any two (screenshot)

The screenshot shows a second instance of a resume page for Tanish Singh, identical to the first one. It includes the same personal information, career objective, academic qualification, professional skills, work experience, and personal details. A photograph of the author is also present on the right side.

**Personal Information:**

TANISH SINGH  
Mobile No: 7977732099  
Email Id: tanishkummar934@gmail.com  
Address: ITM SKILLS UNIVERSITY

**CAREER OBJECTIVE :-**

- To leverage my strong foundation in computer engineering, passion for innovative technologies, and problem-solving skills to contribute effectively to a dynamic organization, while continuously advancing my expertise and embracing opportunities for professional growth

**ACADEMIC QUALIFICATION :-**

- 12<sup>th</sup> from Ranvijay Smarak INT Mahavidyalaya
- 10<sup>th</sup> from Chimmaya Vidyalaya

**PROFESSIONAL SKILLS :-**

- Languages:
  - C++
  - Scratch
  - Python
  - Adobe photoshop

**WORK EXPERIENCE :-**

- Fresher

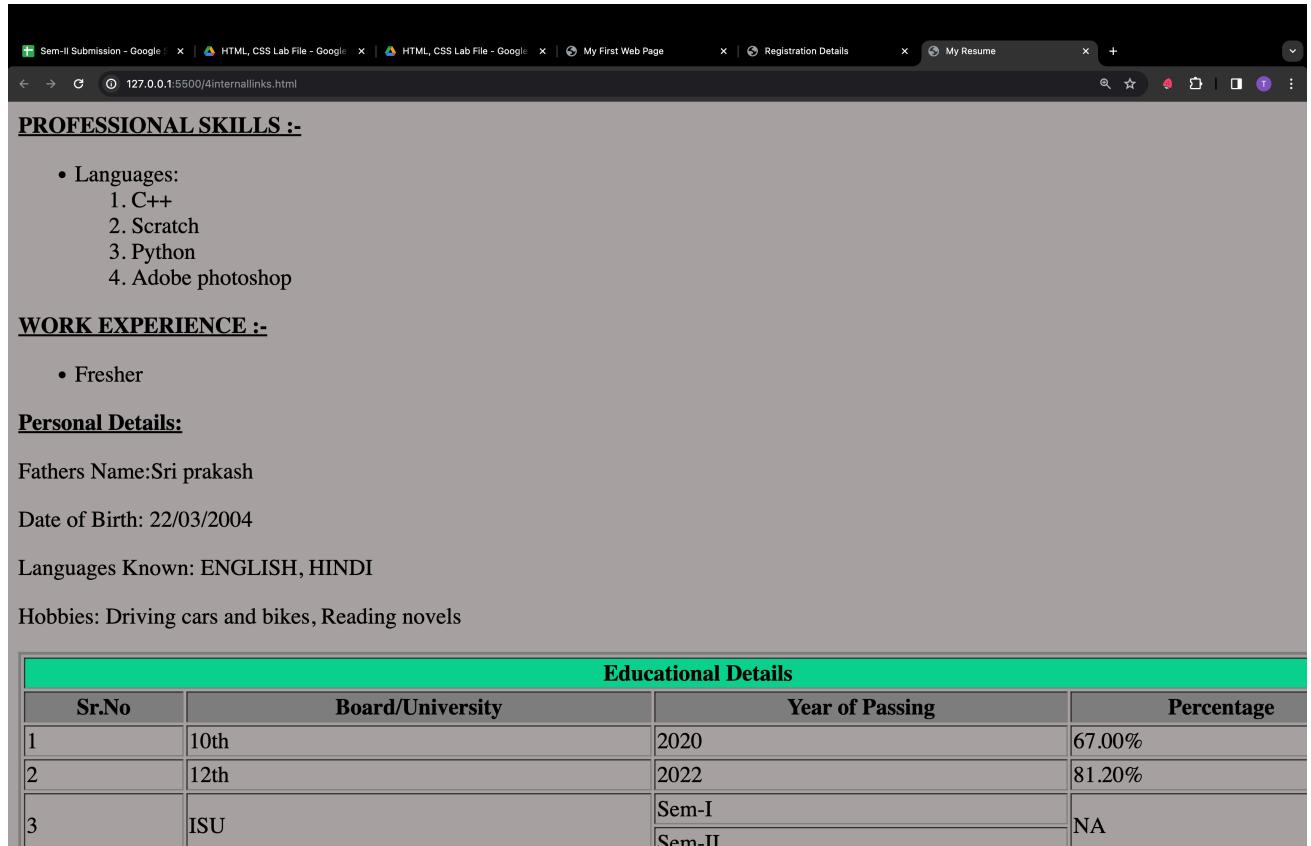
**Personal Details:**

Fathers Name: Sri prakash  
Date of Birth: 22/03/2004  
Languages Known: ENGLISH, HINDI  
Hobbies: Driving cars and bikes, Reading novels

Educational Details			
Sr.No	Board/University	Year of Passing	Percentage
1	10th	2020	67.00%
2	12th	2022	81.20%
3	ISU	Sem-I Sem-II	NA

**When about me is clicked-**

**When professional skills is clicked-**



The screenshot shows a web browser window with multiple tabs open. The active tab displays a resume page titled "My Resume". The page content includes:

- PROFESSIONAL SKILLS :-**
  - Languages:
    1. C++
    2. Scratch
    3. Python
    4. Adobe photoshop
- WORK EXPERIENCE :-**
  - Fresher
- Personal Details:**

Fathers Name:Sri prakash  
Date of Birth: 22/03/2004  
Languages Known: ENGLISH, HINDI  
Hobbies: Driving cars and bikes, Reading novels
- Educational Details**

Sr.No	Board/University	Year of Passing	Percentage
1	10th	2020	67.00%
2	12th	2022	81.20%
3	ISU	Sem-I Sem-II	NA

**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:** Tanish

**Roll Number:** 32

**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 `<ul>` and `<ol>` tags respectively. A nested list consists of list inside another list.

**Code:**

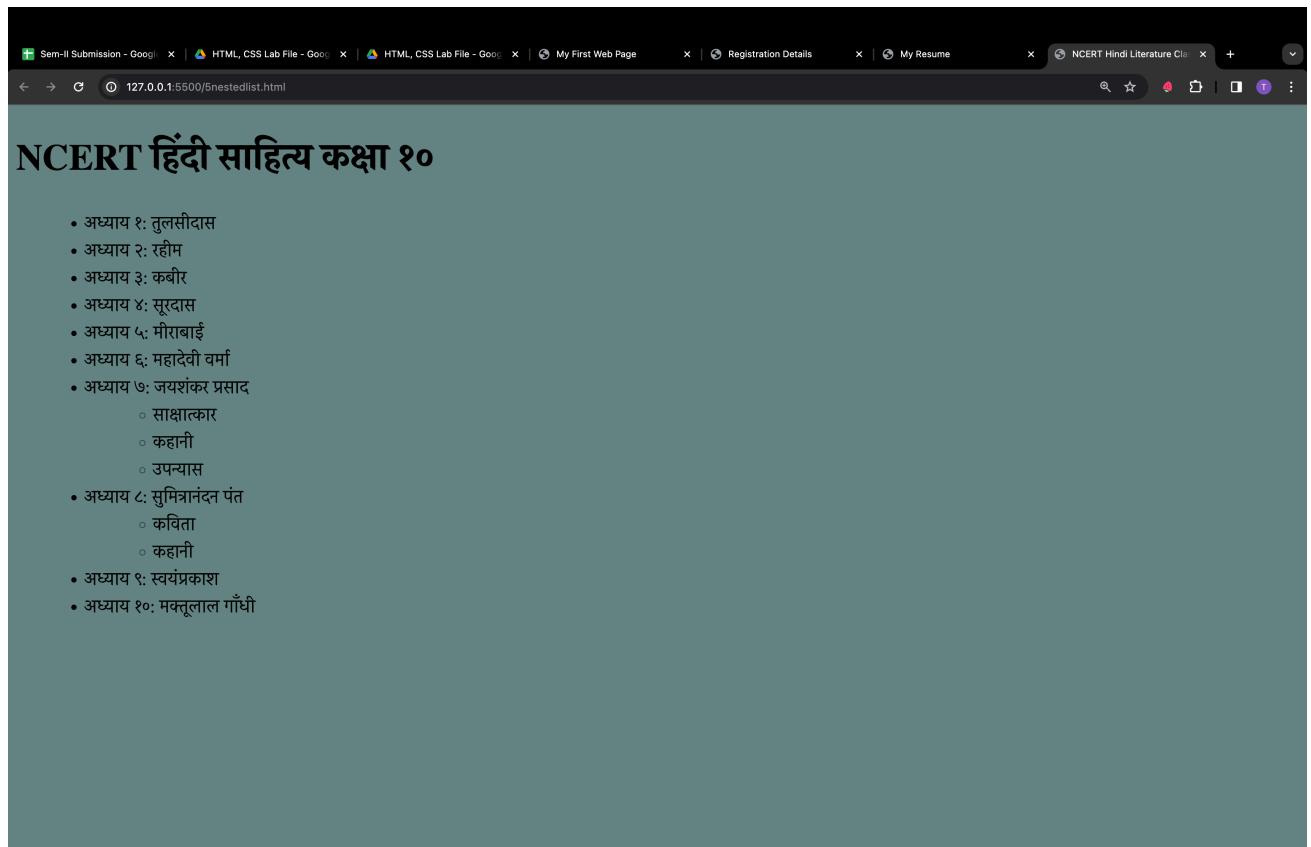
```
<!DOCTYPE html>
<html lang="hi">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <title>NCERT Hindi Literature Class 10</title>
    <style>
        /* Add some basic styling */
        ul {
            margin-left: 20px; /* Add an indent for nested lists */
        }
    </style>
</head>
<body style="background-color: rgb(102, 132, 132)">
    <h1>NCERT हिंदी साहित्य कक्षा १०</h1>
    <ul>
        <li>अध्याय १: तुलसीदास</li>
        <li>अध्याय २: रहीम</li>
        <li>अध्याय ३: कबीर</li>
        <li>अध्याय ४: सूरदास</li>
        <li>अध्याय ५: मीराबाई</li>
        <li>अध्याय ६: महादेवी वर्मा</li>
        <li>अध्याय ७: जयशंकर प्रसाद
            <ul>
                <li>साक्षात्कार</li>
                <li>कहानी</li>
```

```

<li>उपन्यास</li>
</ul>
</li>
<li>अध्याय ८: सुमित्रानंदन पंत
<ul>
<li>कविता</li>
<li>कहानी</li>
</ul>
</li>
<li>अध्याय ९: स्वयंप्रकाश</li>
<li>अध्याय १०: मक्तुलाल गाँधी</li>
</ul>
</body>
</html>

```

## Output: (screenshot)



## Test Case: Any two (screenshot)

The screenshot shows a web browser window with multiple tabs open. The active tab displays a nested list of chapters from NCERT Hindi Literature Class 10. The list is organized into sections, each with a main title and a list of sub-sections or poems.

- अध्याय १: तुलसीदास
  - अध्याय २: रहीम
  - अध्याय ३: कबीर
  - अध्याय ४: सूरदास
  - अध्याय ५: मीराबाई
  - अध्याय ६: महादेवी वर्मा
  - अध्याय ७: जयशंकर प्रसाद
    - साक्षात्कार
    - कहानी
    - उपन्यास
  - अध्याय ८: मुमिनानंदन पंत
    - कविता
    - कहानी
  - अध्याय ९: स्वयंप्रकाश
  - अध्याय १०: मक्तुलाल गाँधी

The screenshot shows a web browser window with multiple tabs open. The active tab displays a nested list of chapters from NCERT Hindi Literature Class 10. The list is organized into sections, each with a main title and a list of sub-sections or poems.

- अध्याय १: तुलसीदास
  - अध्याय २: रहीम
  - अध्याय ३: कबीर
  - अध्याय ४: सूरदास
  - अध्याय ५: मीराबाई
  - अध्याय ६: महादेवी वर्मा
  - अध्याय ७: जयशंकर प्रसाद
    - साक्षात्कार
    - कहानी
    - उपन्यास
  - अध्याय ८: मुमिनानंदन पंत
    - कविता
    - कहानी
  - अध्याय ९: स्वयंप्रकाश
  - अध्याय १०: मक्तुलाल गाँधी

**Conclusion: Therefore, using <ul> or <ol> tags, we can create a nested list.**

**Name of Student:** Tanish

**Roll Number:** 32

**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>  
    <meta charset="UTF-8">  
    <meta name="viewport" content="width=device-width, initial-  
scale=1.0">  
    <title>PG Diploma Programmes</title>  
    <style>[REDACTED]  
        .container {  
            text-align: center;  
        }[REDACTED]  
  
        .xyz {  
            display: inline-block;  
            text-align: left;  
        }[REDACTED]  
  
        body {  
            background-color: rgb(95, 79, 79);  
        }[REDACTED]  
  
        h1 {  
            text-align: center;  
        }[REDACTED]  
  
        li {  
            font-size: 20px;  
        }[REDACTED]
```

```

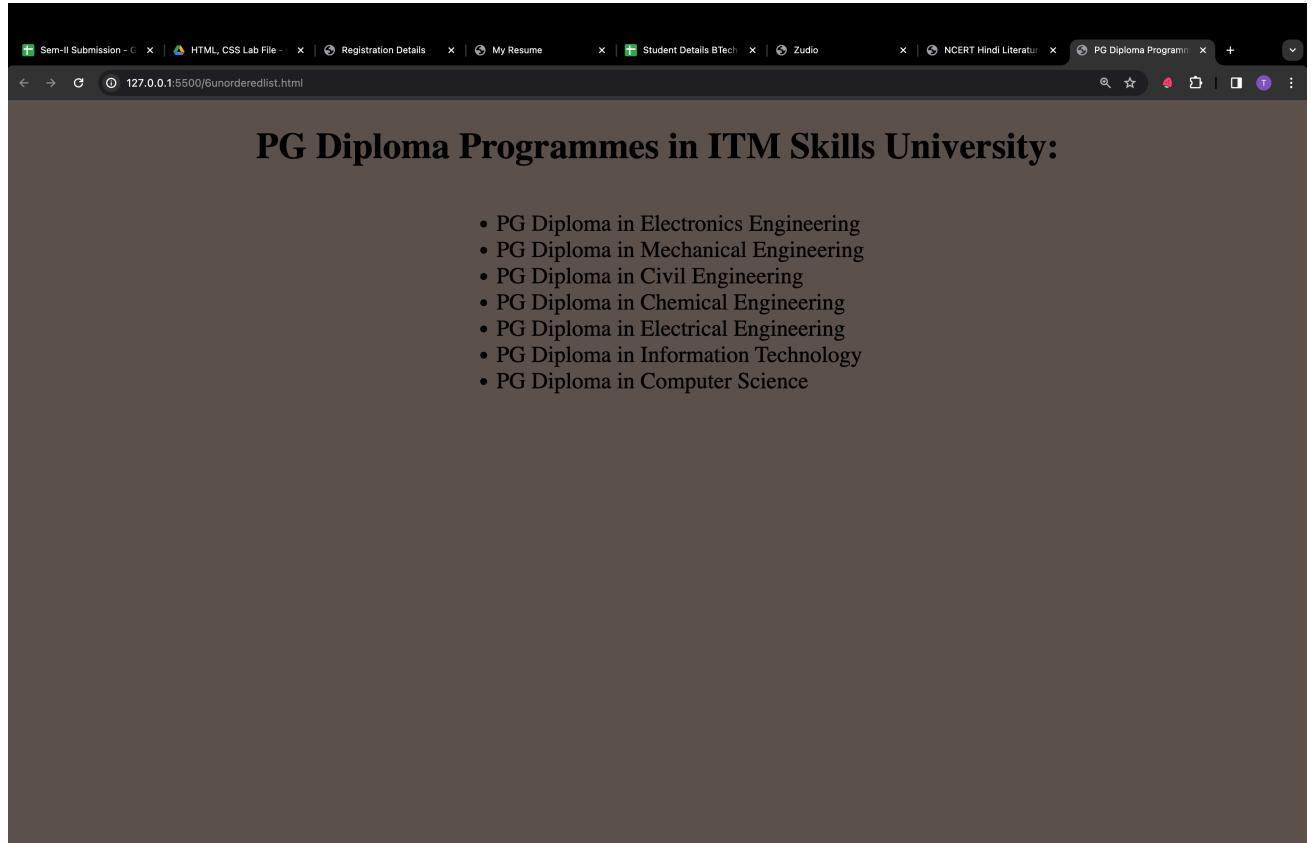
</style>
</head>

<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 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>
            <li>PG Diploma in Computer Science</li>
        </ul>
    </div>
</body>

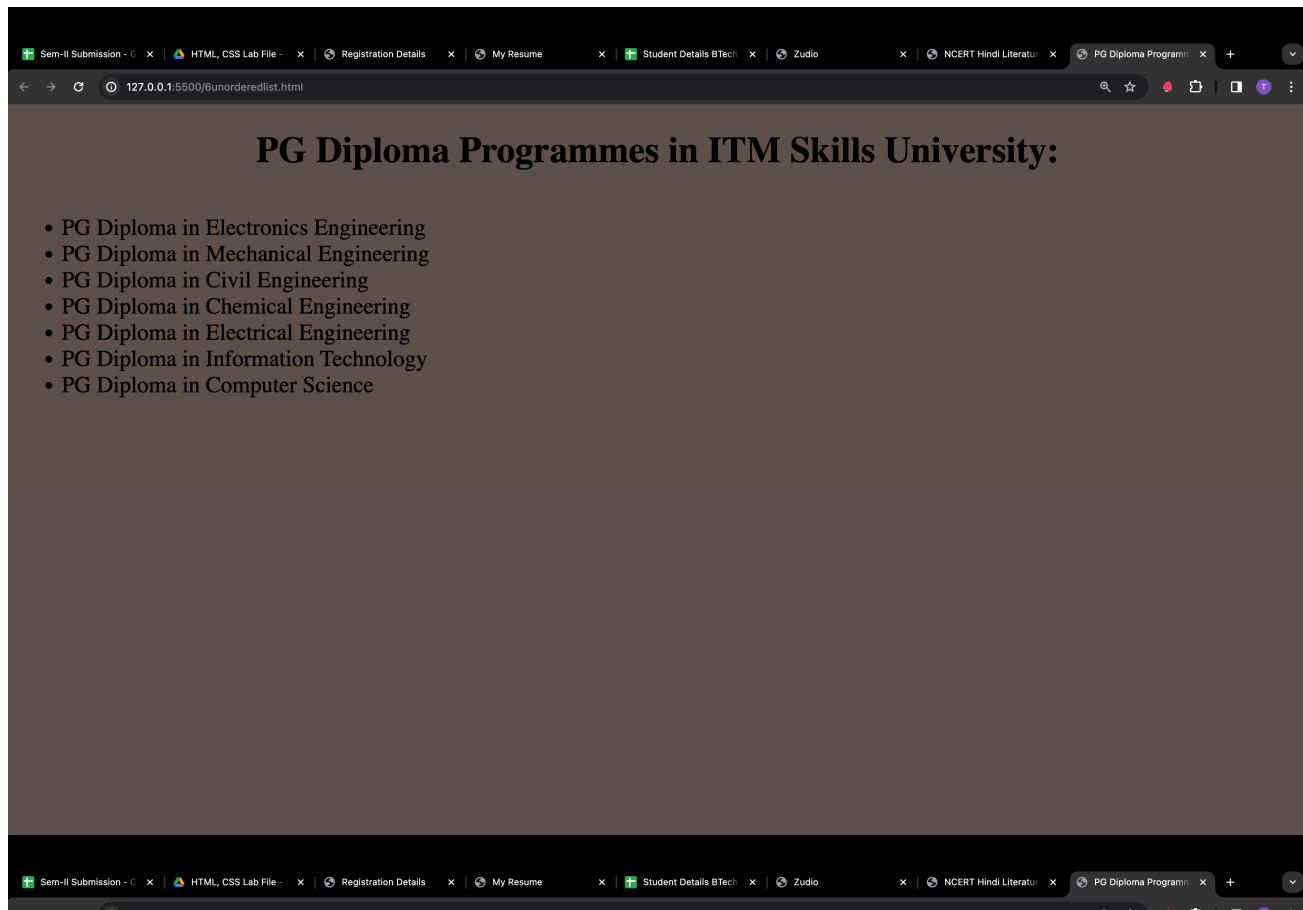
</html>

```

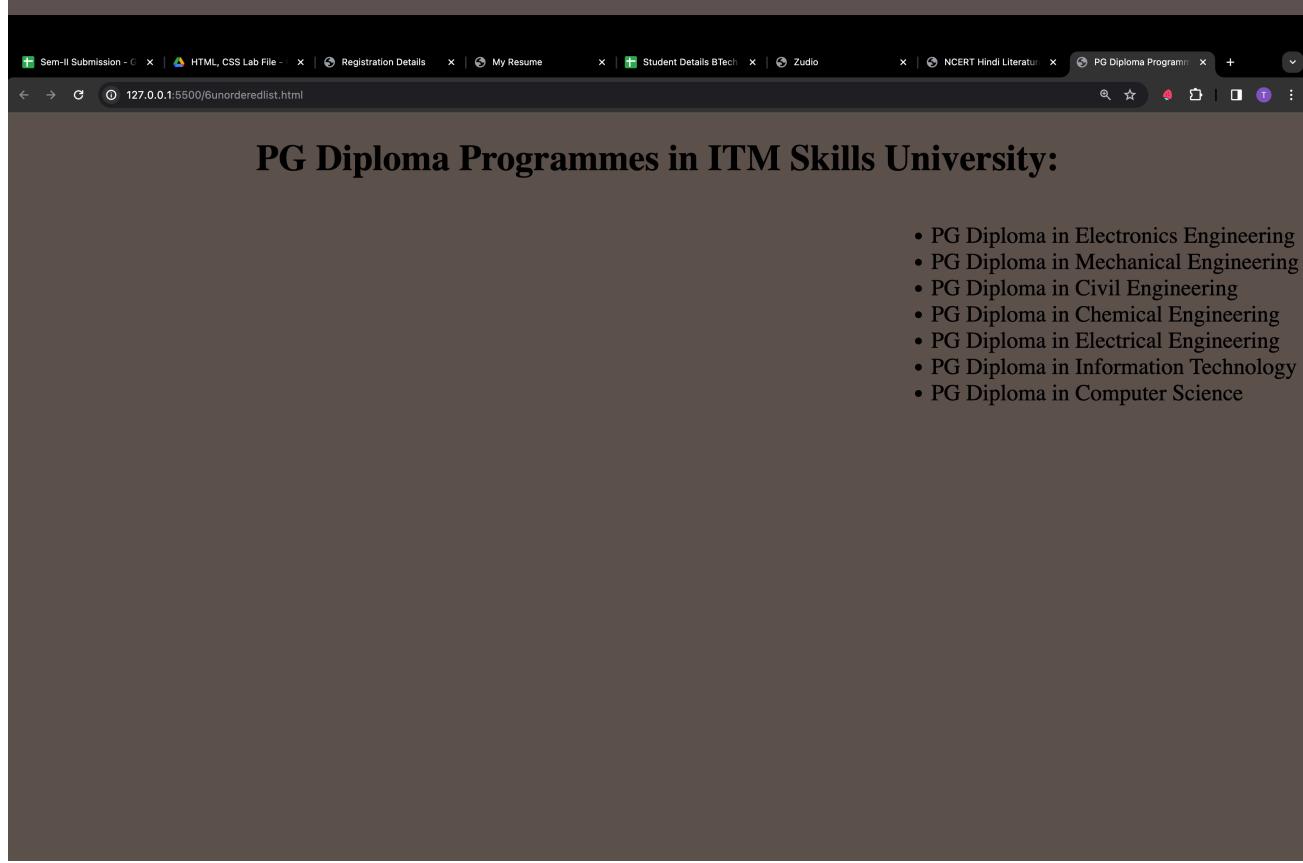
## Output: (screenshot)



## Test Case: Any two (screenshot)



- 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 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 in Computer Science

**Conclusion: Therefore, using unordered list <ul> tag, we can display a list of elements.**

**Name of Student:** Tanish

**Roll Number:** 32

**Experiment No:** 7

---

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

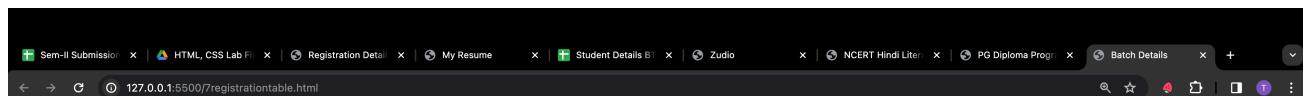
**Theory:** Table in HTML is defined using `<table>` tag. It consists of `<tr>` - for table row, `<th>` - for table headings(bold and centred by default), `<td>` - for table cell.

**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(94, 27, 27);  
        padding: 15px;  
        text-align: left;  
      }  
      th {  
        background-color: #a52c2c;  
        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>Johnny</td>
    <td>4th Year</td>
    <td>01/01/2020</td>
  </tr>
  <tr>
    <td>2</td>
    <td>Jeevan</td>
    <td>2nd Year</td>
    <td>15/08/2022</td>
  </tr>
  <tr>
    <td>3</td>
    <td>Tanish singh</td>
    <td>1st Year</td>
    <td>6/08/2023</td>
  </tr>
</table>
</body>
</html>
```

## Output: (screenshot)



### Batch Details

Reg. Number	Student Name	Year/Semester	Date of Admission
1	Johnny	4th Year	01/01/2020
2	Jeevan	2nd Year	15/08/2022
3	Tanish singh	1st Year	6/08/2023

## Test Case: Any two (screenshot)



---

### Batch Details

Reg. Number	Student Name	Year/Semester	Date of Admission
1	Johnny	4th Year	01/01/2020
2	Jeevan	2nd Year	15/08/2022
3	Tanish singh	1st Year	6/08/2023

**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:** Tanish

**Roll Number:** 32

**Experiment No:** 8

---

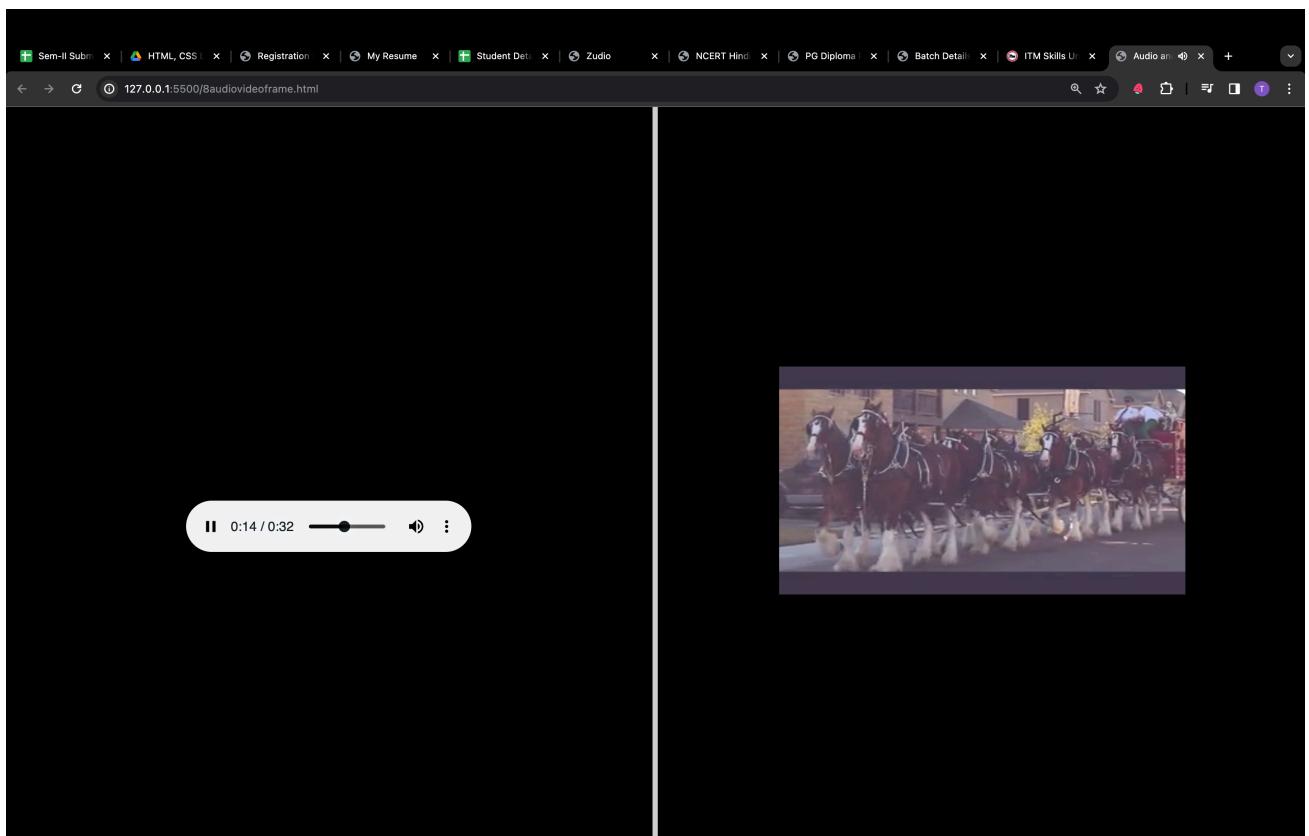
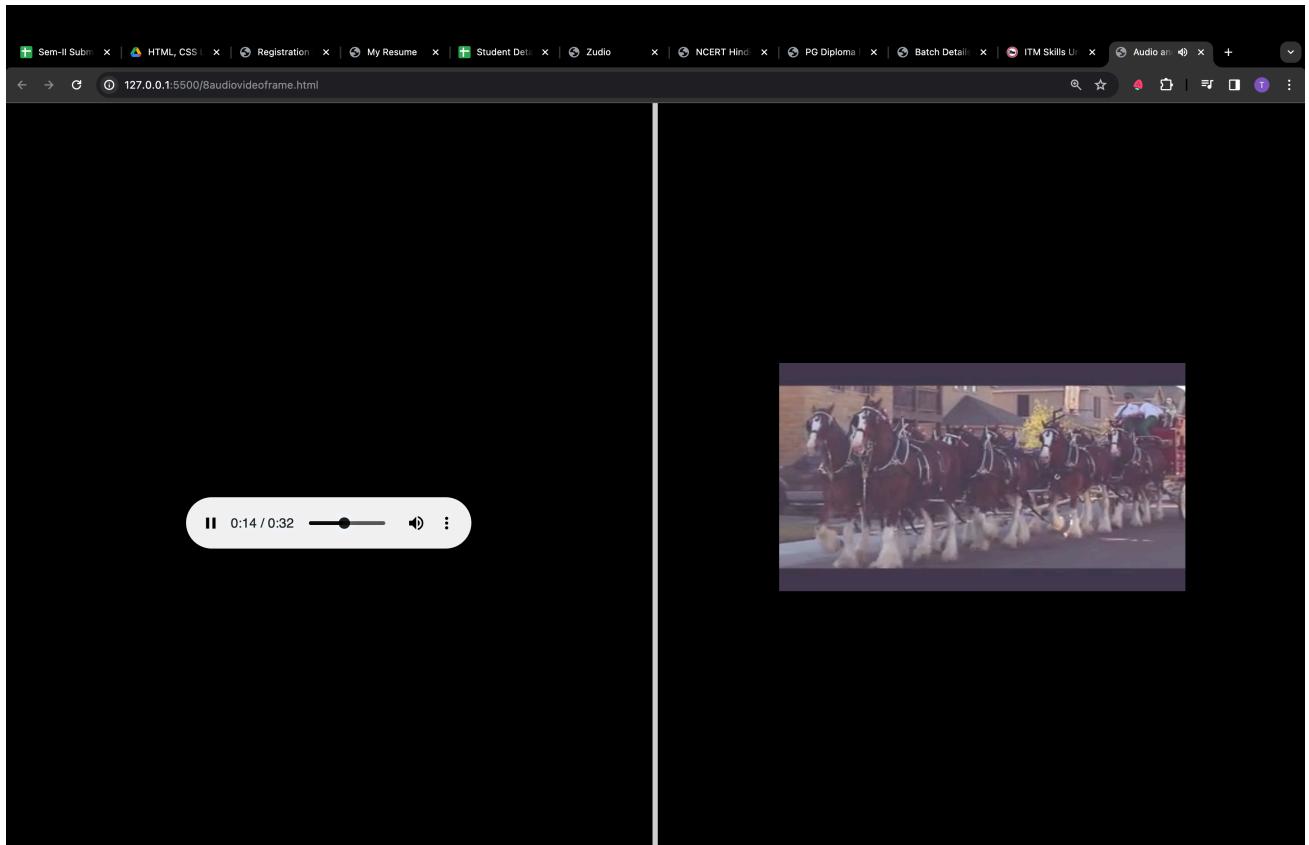
**Title:** Create a web page which divides the page in two equal frames and place the audio and video clips in frame-1 and frame-2 respectively

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

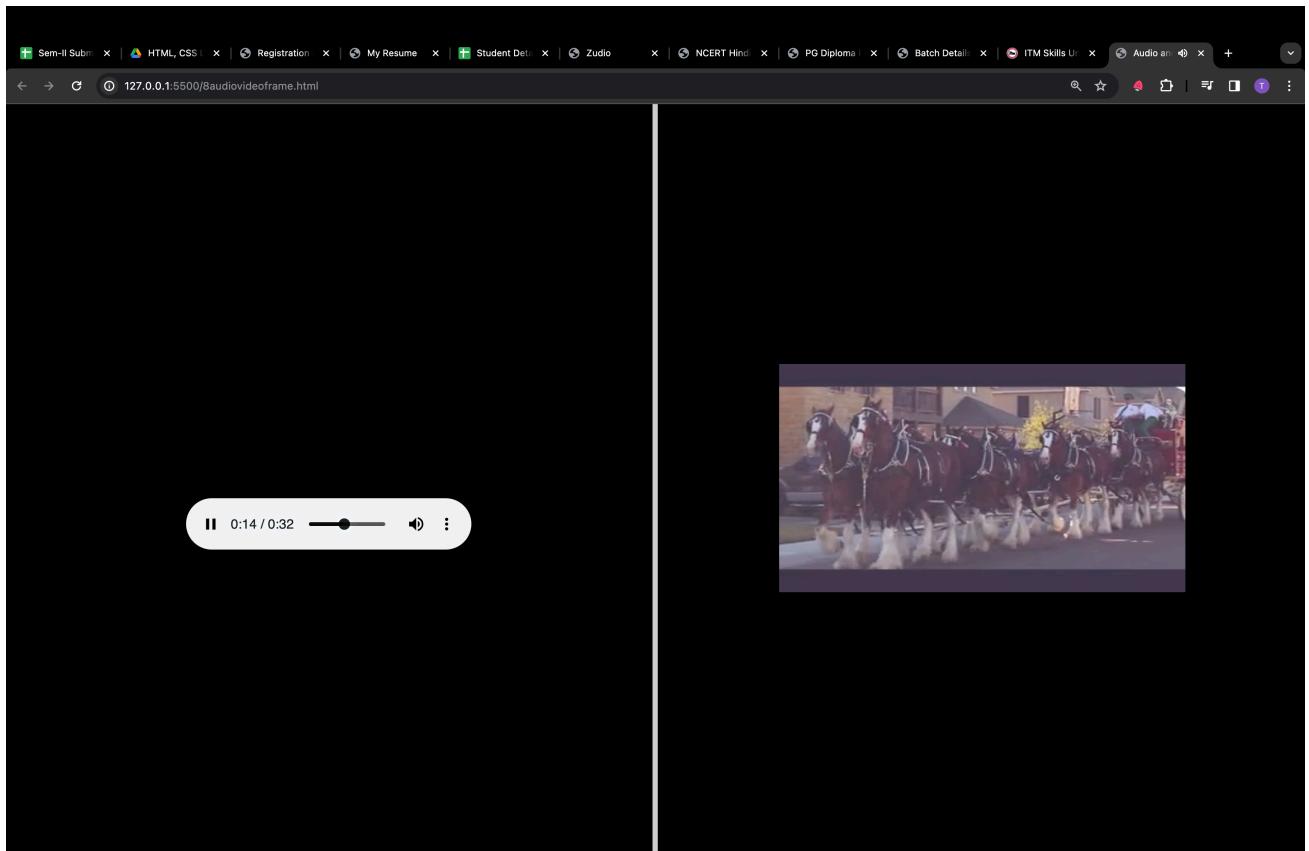
**Code:**

```
<!-- 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="/audio video mp3 mp4/jingle-bells-bells-  
only-181672.mp3" name="frame1">[REDACTED]  
    <frame src="/audio video mp3 mp4/  
horses_carriage_in_modern_downtown_6892449.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:** Tanish

**Roll Number:** 32

**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 [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">[REDACTED]  
    <title>Frame Layout</title>  
</head>[REDACTED]  
<frameset cols="20%, 60%, *">  
    <frame src="5nestedlist.html" name="contents">  
    <frame src="/1firstwebpage.html" name="body">[REDACTED]  
    <frame src="/6unorderedlist.html" name="remarks">  
</frameset>  
</html>[REDACTED]
```

**Body.html code-**

```
<!DOCTYPE html>  
<html lang="en">  
<head>[REDACTED]  
    <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: rgb(65, 43, 190); align="center">
    <h1 style="font-family: 'Times New Roman', Times, serif; font-
size: medium; color: rgb(236, 194, 194);>This is first heading
with medium font size</h1>
    <h2 style="font-family: 'Courier New', Courier, monospace;
font-size: large; color: rgb(110, 100, 100);>This is second
heading with large font size</h2>
</body>
</html>

```

### Remarks.html code-

```

<!-- Create a web page, showing an unordered list of names of all
the PG
Diploma Programmes (Branches) in your institution. -->
<!-- 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, initial-
scale=1.0">
        <title>PG Diploma Programmes</title>
        <style>
            .container {
                text-align: right;
            }
            .xyz {
                display: inline-block;
                text-align: left;
            }
            body {
                background-color: rgb(95, 79, 79);
            }
            h1 {
                text-align: center;
            }

```

```

        li {
            font-size: 20px;
        }
    
```

```

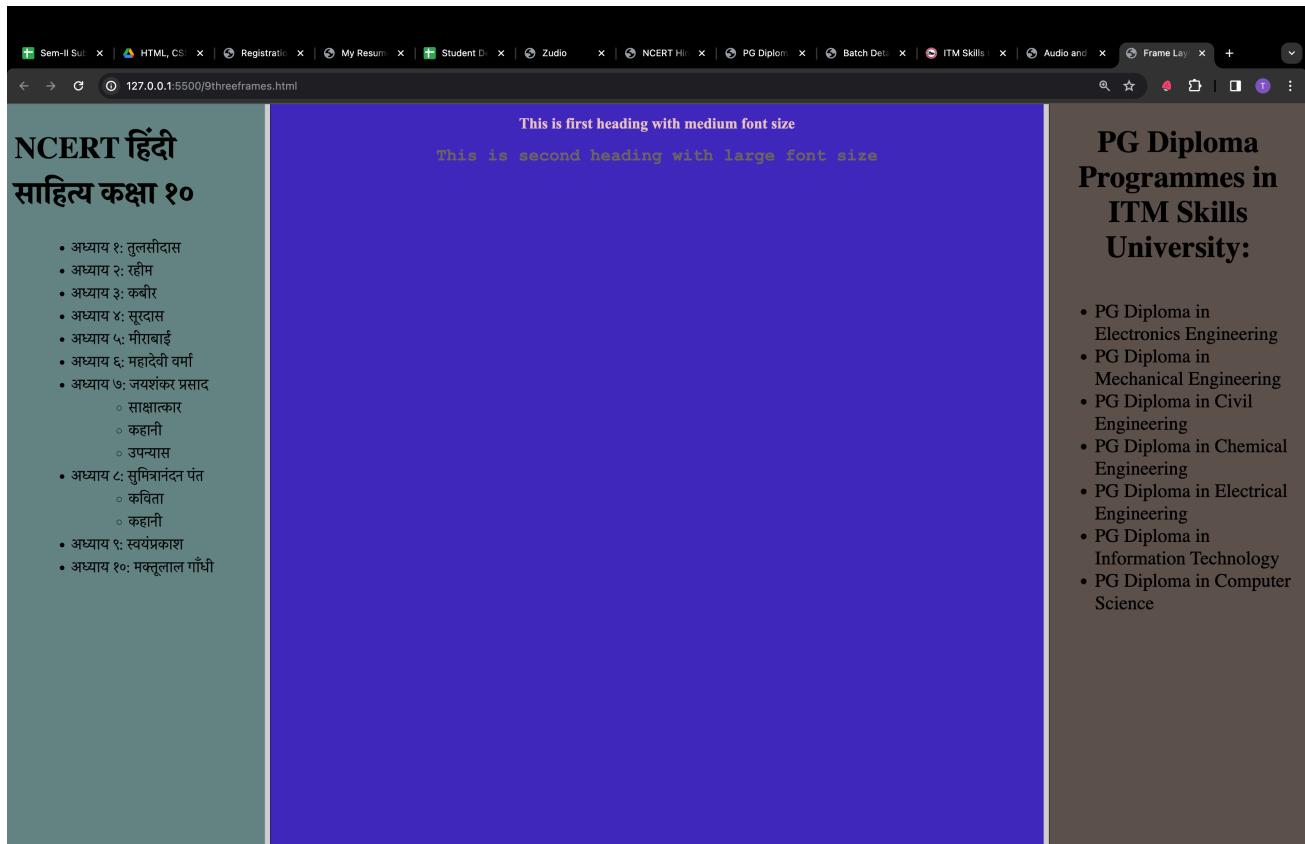
</style>
</head>

<body>
    <h1>PG Diploma Programmes in ITM Skills University: </h1>
    <div class="container">
        <ul class="xyz">
            <li>PG Diploma in 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>
            <li>PG Diploma in Computer Science</li>
        </ul>
    </div>
</body>

</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 contents page, other will have content of a page and another one will have remarks of the page.**

**Name of Student:** Tanish

**Roll Number:** 32

**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. `<span>` 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: rgb(120, 122, 122);
      }
      .country-label {
        display: inline-block;
        margin-right: 10px;
      }
      .capital {
        font-size: 20px;
        color: rgb(255, 255, 255);
        font-weight: bold;
      }
      input[type="radio"] {
        display: none;
      }
    </style>
  </head>
  <body>
    <form>
      <label for="country">Select a Country:</label>
      <select id="country">
        <option value="India">India</option>
        <option value="USA">USA</option>
        <option value="UK">UK</option>
        <option value="Germany">Germany</option>
        <option value="France">France</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;
}

```

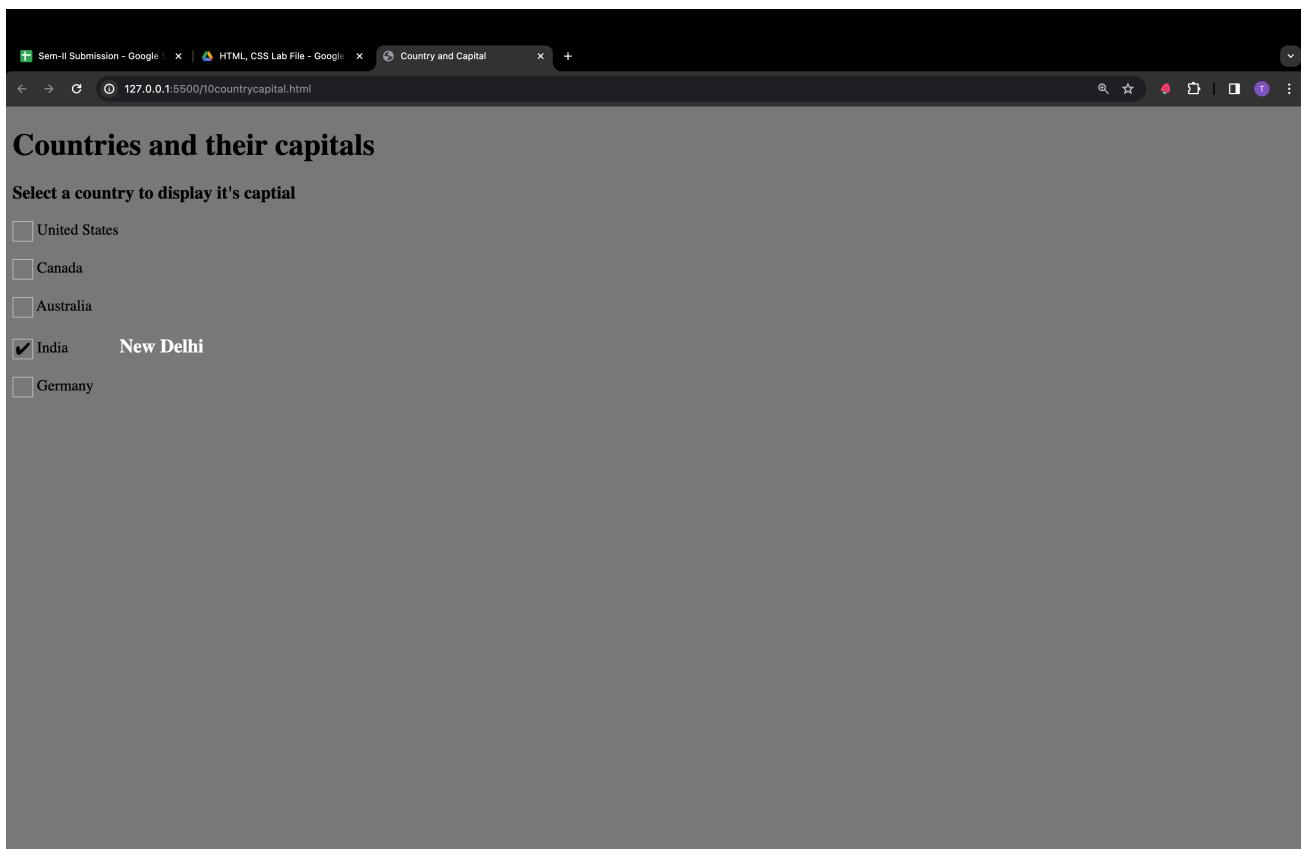
</style>

```
</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>

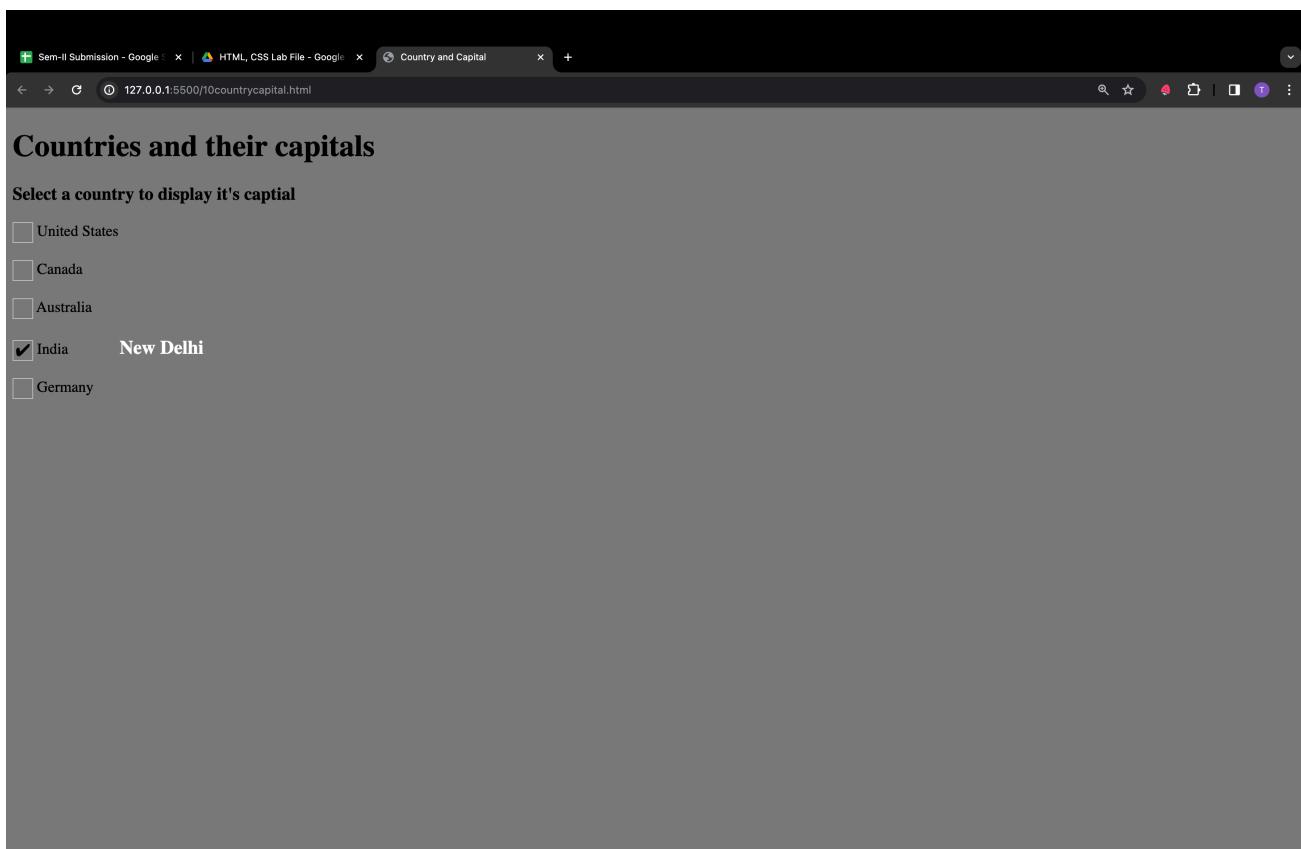
```

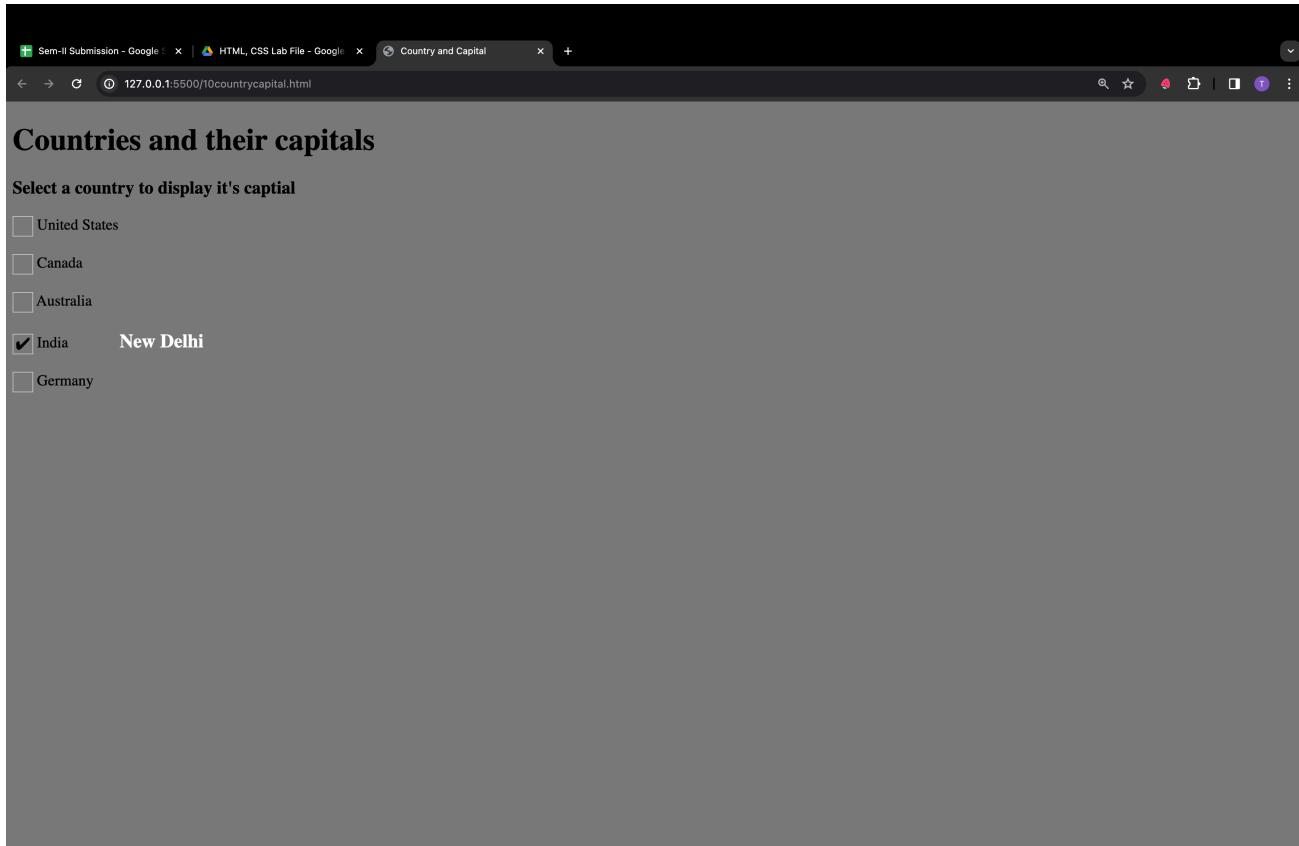
```
<br />
<div>
    <input type="radio" name="country" id="Australia"
value="Australia" />
    <label for="Australia" class="country-label">
        Australia
        <span class="capital">Canberra</span>
    </label>
</div>
<br />
<div>
    <input type="radio" name="country" id="India" value="India" />
    <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 <span> tags, we can select a country and show it's capital.**