Name: Rishi Ayar

MODULE: 2 (HTML)

- Define the terms: - Website, Webpage, Web browser, Web server, HTML, CSS

  Ans:

  1. Website: A collection of web pages and multimedia content accessible through a specific domain name, providing information or services is called Website.

  2. Webpage: - A single document or file forming part of a website, containing text, images, links, and other media, designed for viewing in web browsers is called Webpage.

  3. Web browser: - Software application enabling users to access and navigate websites, rendering HTML documents and displaying content in a user-friendly format.

  4. Web server: - Computer or software that hosts websites, storing website files and delivering them to web browsers upon request.

  5. HTML: - Hypertext Markup Language, a standardized language used to create the structure and content of webpages, defining elements and their relationships.

  6. CSS: - Cascading Style Sheets, a style sheet language used to define the presentation and layout of HTML documents, controlling visual aspects such as colors, fonts, and positioning.

- Create a webpage to show “This is my first HTML page”

  Ans: -

  Code: -

```html
<!DOCTYPE html>
<html>
<head>
    <title>My First HTML Page</title>
</head>
<body>
    <h1>This is my first HTML page</h1>
```

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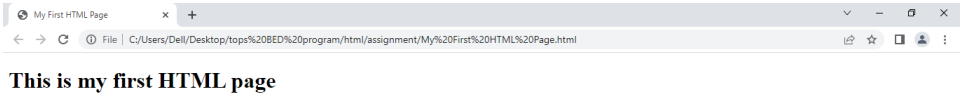
```
</body>
</html>
```

Output: -



- _____Display top 10 IT companies list in html webpage

  Ans: -

```
<!DOCTYPE html>
<html>
<head>
    <title>Top 10 IT Companies</title>
</head>
<body>
    <h1>Top 10 IT Companies</h1>
    <ol>
        <li>Microsoft</li>
        <li>Apple</li>
        <li>Amazon</li>
        <li>Google</li>
        <li>IBM</li>
        <li>Intel</li>
        <li>Oracle</li>
        <li>Tesla</li>
        <li>Samsung Electronics</li>
        <li>Tencent</li>
    </ol>
</body>
</html>
```

Output: -

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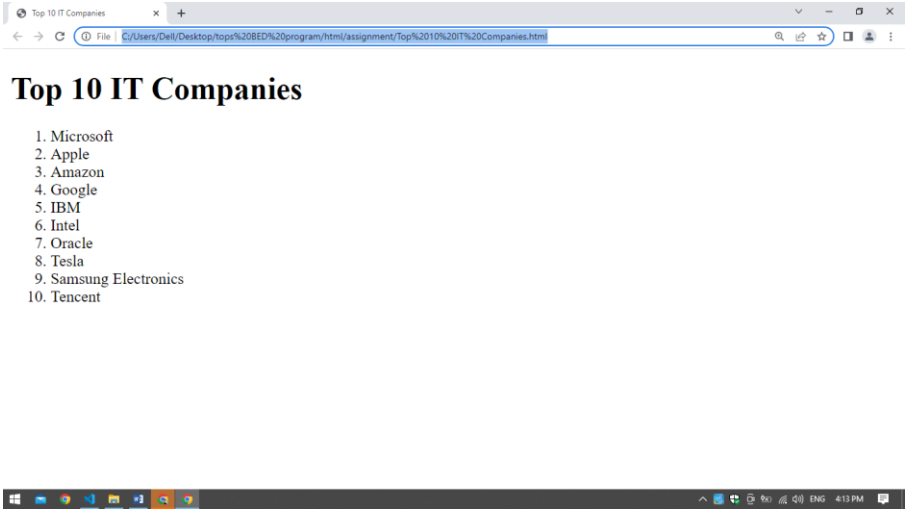

- Create a dropdown list

  Ans: -

```html
<!DOCTYPE html>
<html>
<head>
    <title>Dropdown List Example</title>
</head>
<body>
    <h1>Select an IT company:</h1>
    <select>
        <option value="apple">Apple</option>
        <option value="Amazon">Amazon</option>
        <option value="Google">Google</option>
        <option value="IBM">IBM</option>
    </select>
</body>
</html>
```

Output: -

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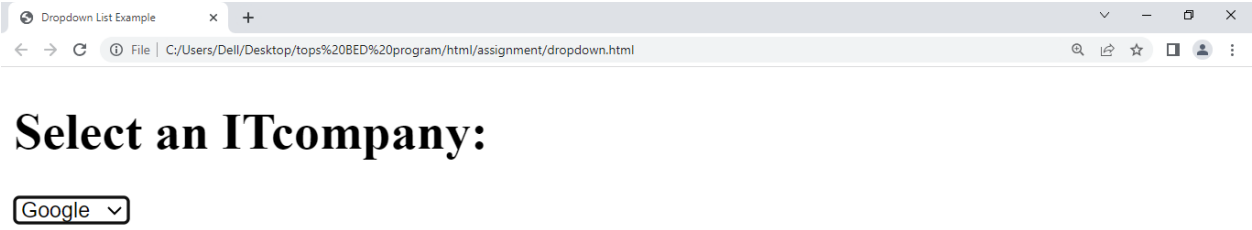

- Create a Table Of college Management system using row span & col span.

  Ans: -

```
<!DOCTYPE html>
<html>
<head>
    <title>College Management System</title>
</head>
<body>
<h1>College Management System</h1>
<table border="1">
<tr>
<th>Year</th>
<th>Semester</th>
<th colspan="3">Courses</th>
</tr>
<tr>
<td rowspan="2">1st Year</td>
<td>1st Semester</td>
<td colspan="3">Introduction to Programming</td>
</tr>
<tr>
<td>2nd Semester</td>
 <td colspan="3">Database Fundamentals</td>
</tr>
 <tr>
<td rowspan="2">2nd Year</td>
<td>3rd Semester</td>
<td>Web Development</td>
 <td>Network Security</td>
```

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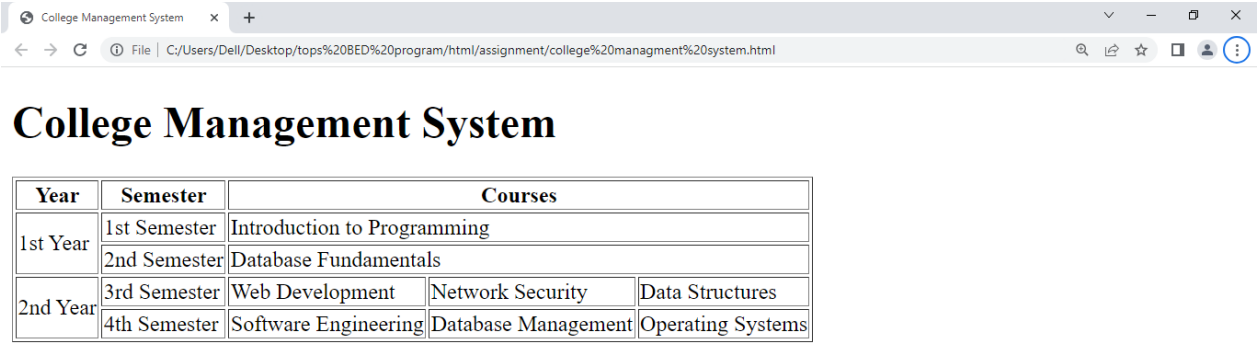
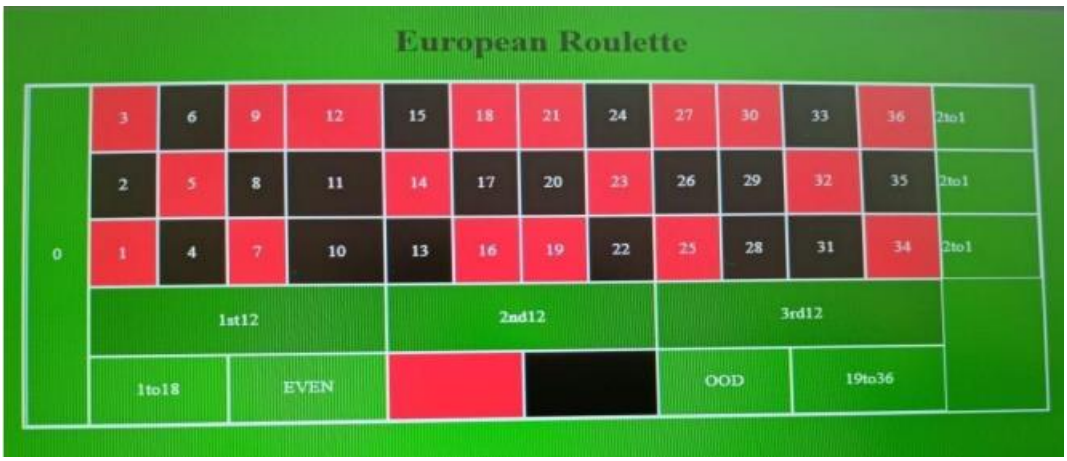
```
<td>Data Structures</td>
</tr>
<tr>
<td>4th Semester</td>
<td>Software Engineering</td>
<td>Database Management</td>
<td>Operating Systems</td>
</tr>
</table>
</body>
</html>
```

Output:



- Create below table using HTML table tags



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Code: -

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Document</title>
</head>
<body text="white" bgcolor="green" >
<h1  align="center">European Roulette</h1>
<div align="center">
<table  bordercolor="white" border="" cellpadding="10" border="white"
border="">
<tr>
<td rowspan="5">0</td>
<td bgcolor="red">3</td>
<td bgcolor="black">6</td>
<td bgcolor="red">9</td>
<td bgcolor="red">12</td>
<td bgcolor="black" >15</td>
<td bgcolor="red">18</td>
<td bgcolor="red">21</td>
<td bgcolor="black">24</td>
<td bgcolor="red">27</td>
<td bgcolor="red">30</td>
<td bgcolor="red">36</td>
<td colspan="2">2to1</td>
</tr>
<tr>
<td bgcolor="black">2</td>
<td bgcolor="red">5</td>
<td bgcolor="black">8</td>
<td bgcolor="black">11</td>
<td bgcolor="red">14</td>
<td bgcolor="black">17</td>
<td bgcolor="black">20</td>
<td bgcolor="red">23</td>
<td bgcolor="black">26</td>
<td bgcolor="black">29</td>
<td bgcolor="red">32</td>
<td bgcolor="black">35</td>
<td colspan="2">2to1</td>
</tr>
<tr>
<td bgcolor="red">1</td>
<td bgcolor="black">4</td>
<td bgcolor="red">7</td>
<td bgcolor="black">10</td>
<td bgcolor="black">13</td>
```

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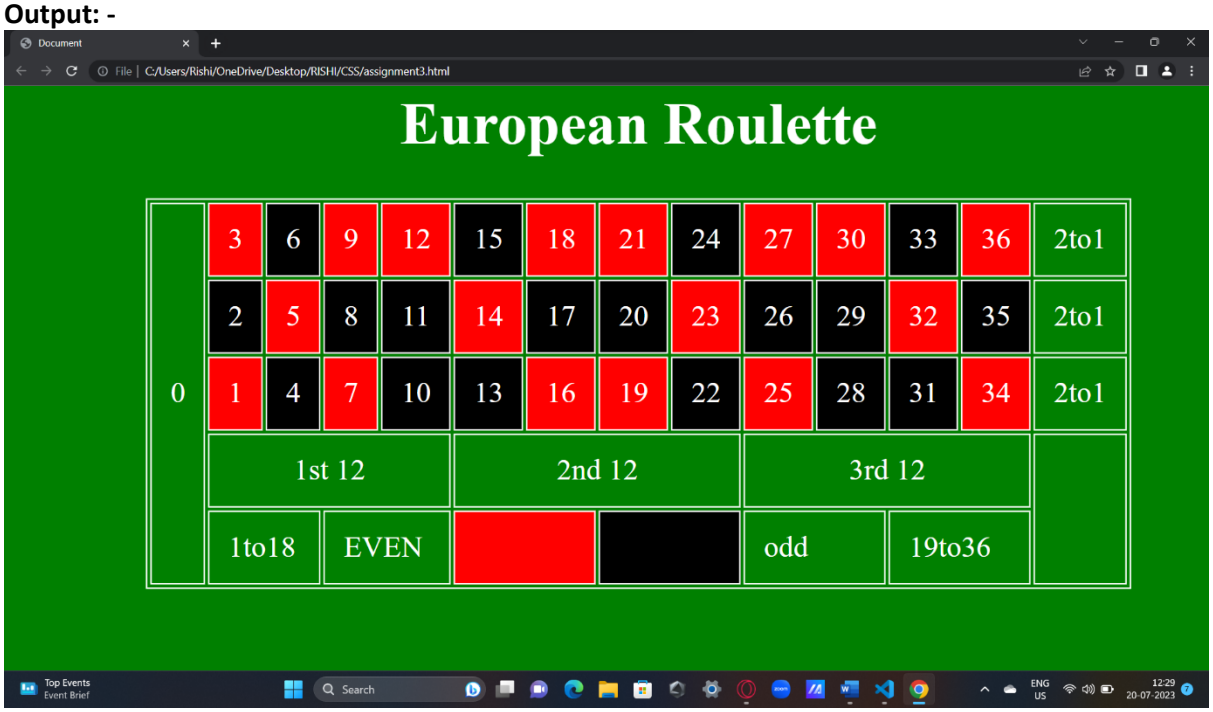
```
<td bgcolor="red">16</td>
<td bgcolor="red">19</td>
<td bgcolor="black">22</td>
<td bgcolor="red">25</td>
<td bgcolor="black">28</td>
<td bgcolor="black">31</td>
<td bgcolor="red">34</td>
<td colspan="2">2to1</td>
</tr>
<td colspan="4" align="center">1st 12</td>
<td colspan="4"align="center">2nd 12</td>
<td colspan="4"align="center">3rd 12</td>
<td colspan="2" rowspan="2"></td>
</tr>
<tr>
<td colspan="2">1to18</td>
<td colspan="2">EVEN</td>
<td colspan="2" bgcolor="red"></td>
<td colspan="2"bgcolor="black"></td>
<td colspan="2">odd</td>
<td colspan="2">19to36</td>


</tr>
</table>
</div>
</body>
</html>
```

Output: -



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- Create Registration form using HTML, CSS

  Code:-

  Html: -

```html
<!DOCTYPE html>
<html>
<head>
  <title>Registration Form</title>
  <link rel="stylesheet" type="text/css" href="text.css">
</head>
<body>
  <div class="container">
    <h2>Registration Form</h2>
    <form>
      <div class="form-group">
        <label for="name">Name:</label>
        <input type="text" id="name" name="name" required>
      </div>
      <div class="form-group">
        <label for="email">Email:</label>
        <input type="email" id="email" name="email" required>
      </div>
      <div class="form-group">
        <label for="password">Password:</label>
        <input type="password" id="password" name="password" required>
      </div>
      <div class="form-group">
        <label for="confirm password">Confirm Password:</label>
        <input type="password" id="confirm password" name="confirm password"
required>
      </div>
      <input type="submit" value="Register">
    </form>
  </div>
</body>
</html>
```

CSS:

```css
.container {
    max-width: 400px;
    margin: 0 auto;
    padding: 20px;
    border: 1px solid #ccc;
    border-radius: 5px;
  }
```

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```
h2 {
  text-align: centre;
}

.form-group {
  margin-bottom: 15px;
}

label {
  display: block;
  font-weight: bold;
}

input[type="text"],
input[type="email"],
input[type="password"] {
  width: 100%;
  padding: 10px;
  border: 1px solid #ccc;
  border-radius: 4px;
}

input[type="submit"] {
  width: 100%;
  padding: 10px;
  background-color: #4CAF50;
  color: white;
  border: none;
  border-radius: 4px;
  cursor: pointer;
}
```

Output:

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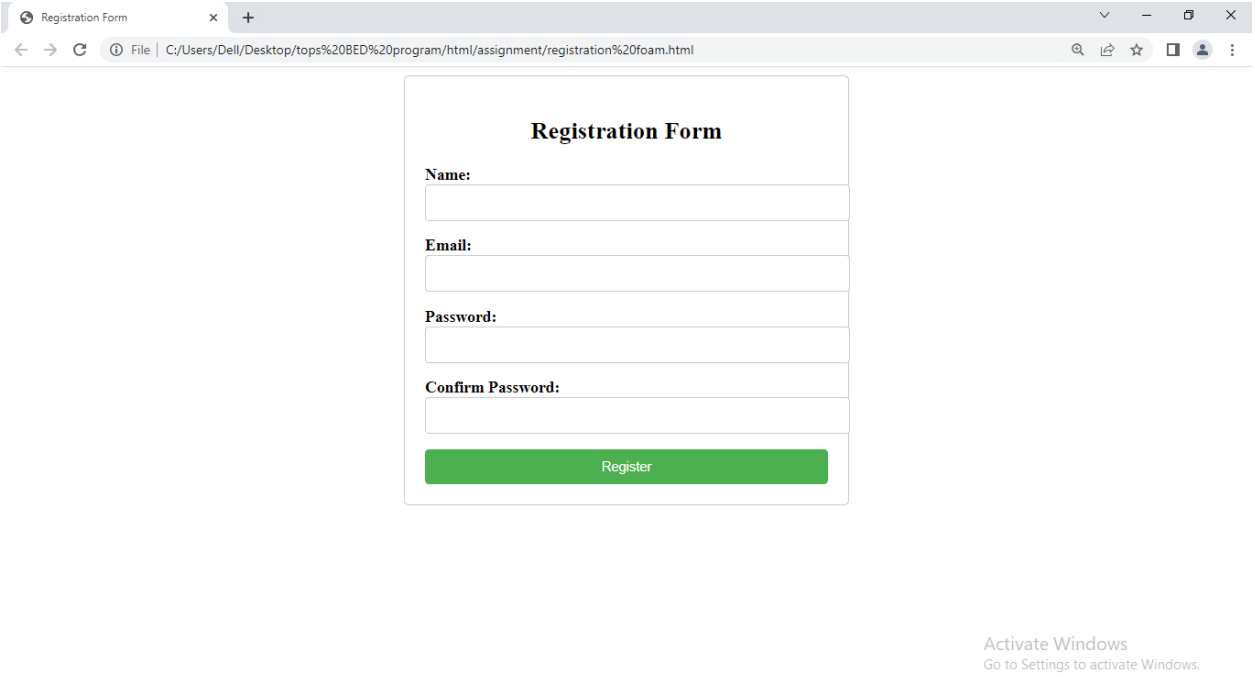

- In how many ways can a CSS be integrated as a web page?

Ans:

There are three ways to integrate CSS in web page:

1. Inline CSS
2. Internal CSS
3. External CSS

1. Inline CSS:
   Inline CSS is added directly to html elements using <style> tag.

   EX:

```
<p style="color: blue;">This is a paragraph with inline CSS.</p>
```

2. Internal CSS:

Internal CSS is placed within the <style> between the <head> section of HTML Document.

EX:

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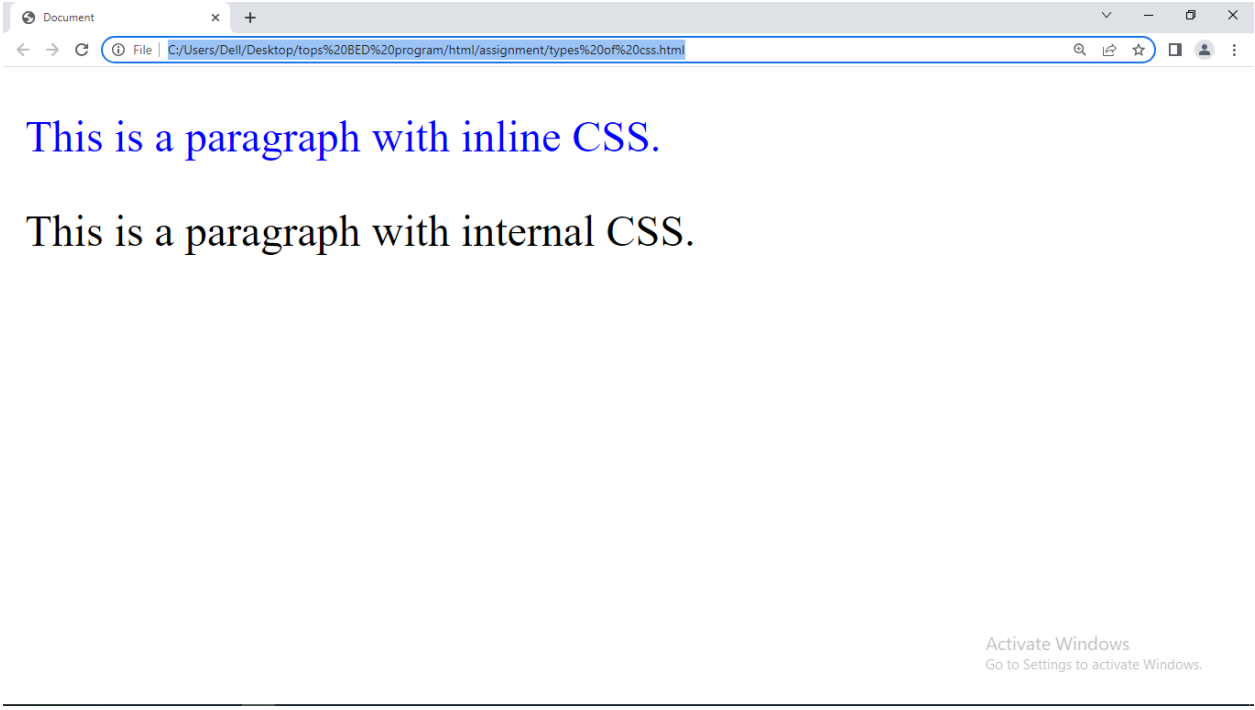
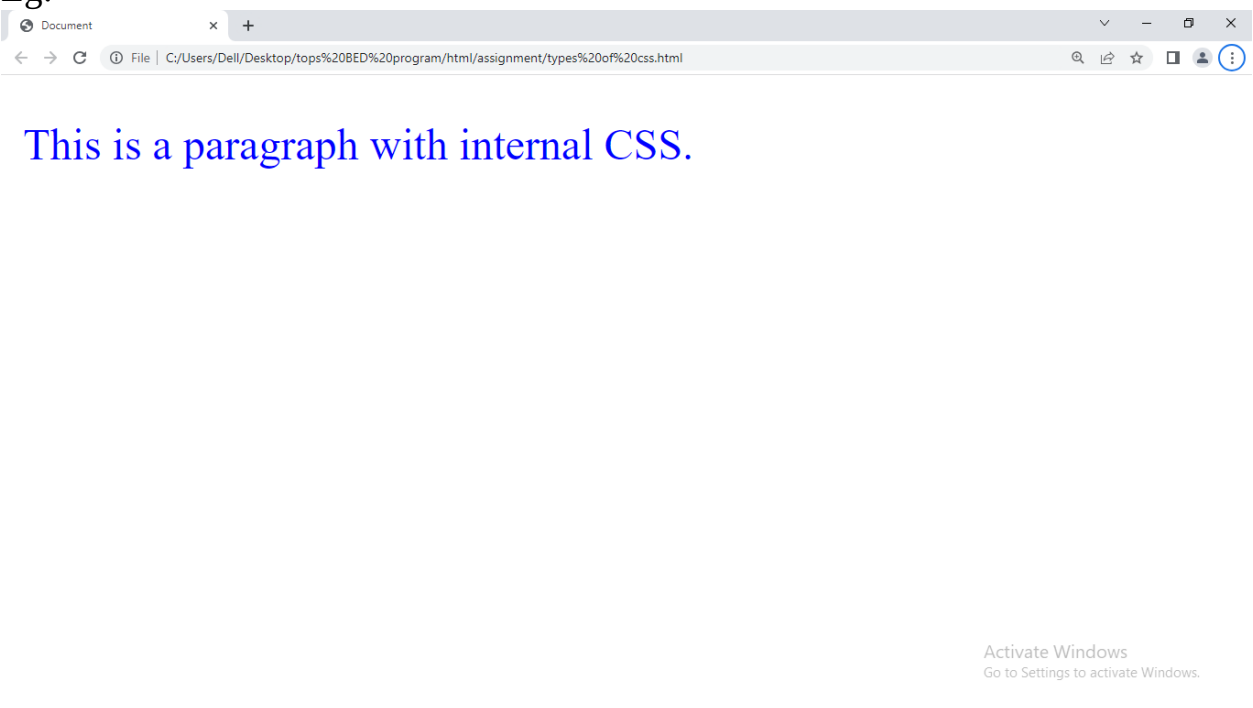


---

3. External CSS:
   External CSS is defined in a seperste CSS file and linked to the HTML document using <link> tag.

   Eg:



- Create simple three pages using External CSS, Internal CSS, and Inline CSS.

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1. Inline CSS:
   Inline CSS is added directly to html elements using <style> tag.

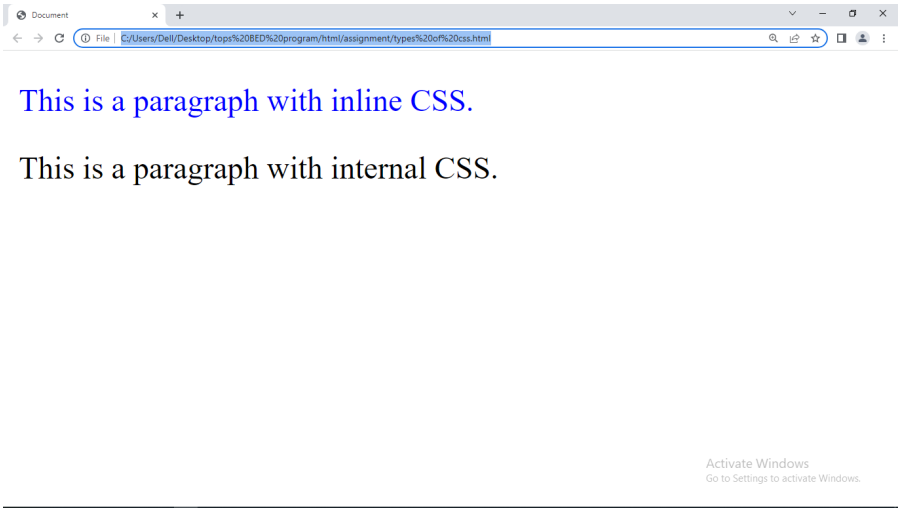
   Eg:

```
<p style="color: blue;">This is a paragraph with inline CSS.</p>
```

2. Internal CSS:

Internal CSS is placed within the <style> between the <head> section of HTML Document.

Eg:



3. External CSS:
   External CSS is defined in a separate CSS file and linked to the HTML document using <link> tag.

   Eg:

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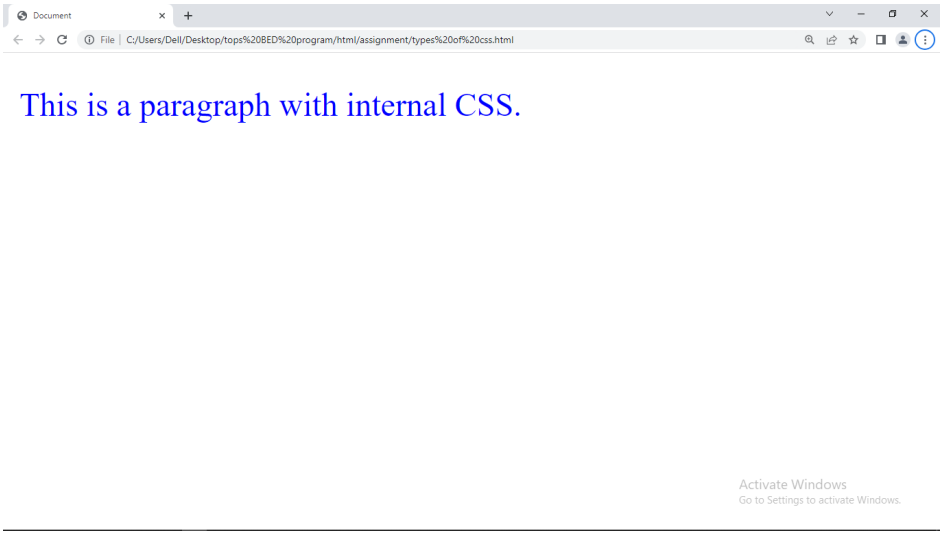
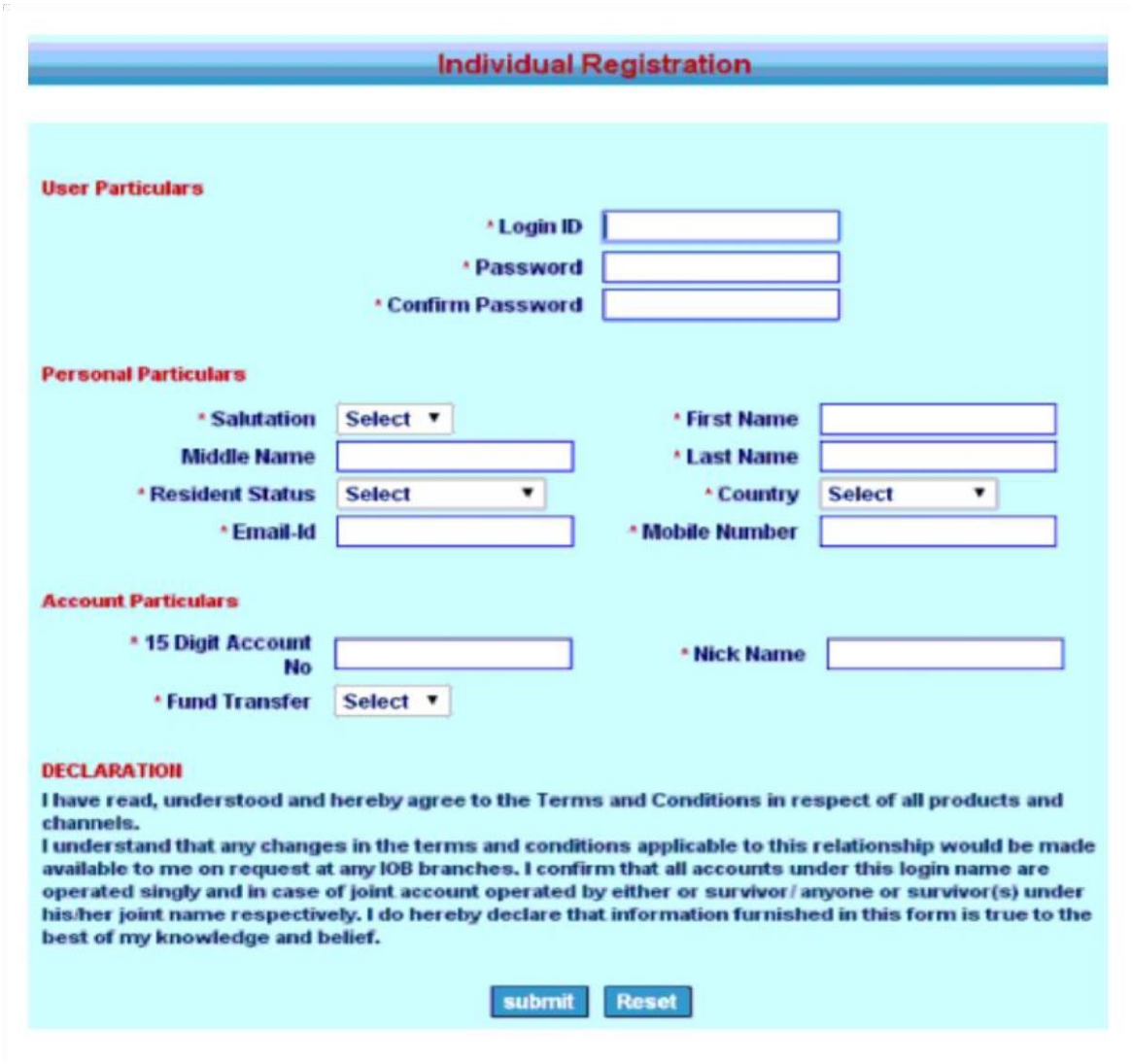


- Create below page using HTML CSS



Code:

```
<!DOCTYPE html>
```

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```html
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <style>
        *{
            margin: 0;
            padding: 0;
            box-sizing: border-box;
        }
        .top{
            height: 50px;
            width: 100%;
            background-color: rgb(9, 128, 175);
            color: red;
        }
        .two{
            height: 130px;
            width: 100%;
            background-color: rgb(121, 175, 255);

        }
        .three{
            height: 130px;
            width: 100%;
            background-color: rgb(121, 175, 255);
            display: flex;
        }
        .three1{
            height: inherit;
            width: 40%;
            background-color: rgb(121, 175, 255);
        }
        .three2{
            height: inherit;
            width: 60%;
            background-color: rgb(121, 175, 255);
        }
        .four{
            height: 100px;
            width: 100%;
            background-color: rgb(121, 175, 255);
            display: flex;
        }
        .four1{
            height: inherit;
            width: 40%;
```

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```
            background-color: rgb(121, 175, 255);
        }
        .four2{
            height: inherit;
            width: 60%;
            background-color: rgb(121, 175, 255);
        }
        .dec{
            height: 180px;
            width: 100%;
            background-color: rgb(121, 175, 255);
        }
    </style>
 </head>
 <body>
    <div class="top">
        <h1 style="margin-left: 20%;">Individual Registration</h1>
    </div><br><br>
    <div class="two"><br>
        <p style="margin-left: 20px; color: rgb(148, 6, 6); font-weight:
bolder;font-size: large;">User particulars</p>
        <div class="table1" style="text-align: right;">
            <table style="margin-left: 20%;">
                <tr>
                    <td align="right" style="color: rgb(148, 6, 6); font-
weight: 900;">*Login ID</td><td>   <input type="text"
style="border-radius: 5px;"></td>
                </tr>
                <tr>
                    <td align="right" style="color: rgb(148, 6, 6); font-
weight: 900;">*Password</td><td>   <input type="password"
style="border-radius: 5px;"></td>
                </tr>
                <tr>
                    <td align="right" style="color: rgb(148, 6, 6); font-
weight: 900;">*Confirm Password</td><td>   <input
type="password" style="border-radius: 5px;"></td>
                </tr>
            </table>
        </div>
    </div>
    <div class="three">
        <div class="three1">
            <p style="margin-left: 20px; color: rgb(148, 6, 6); font-weight:
bolder;font-size: large;">Personal particulars</p>
            <table style="margin-left: 30%;">
                <tr>
```

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```
                    <td align="right" style="color: rgb(148, 6, 6); font-
weight: 900;">*Salutation</td>
                    <td>   <select name="" id="">
                        <option value="" selected
disabled>Select   </option>
                        <option value="">Mr.</option>
                        <option value="">Ms.</option>
                        <option value="">Mrs.</option>
                    </select></td>
                </tr>
                <tr>
                    <td align="right" style="color: rgb(148, 6, 6); font-
weight: 900;">*Middle Name</td><td>   <input type="text"
style="border-radius: 5px;"></td>
                </tr>
                <tr>
                    <td align="right" style="color: rgb(148, 6, 6); font-
weight: 900;">*Resident Status</td>
                    <td>   <select name="" id="">
                        <option value="" selected
disabled>Select      </option>
                        <option value="">one</option>
                        <option value="">two</option>
                        <option value="">three</option>
                    </select></td>
                </tr>
                <tr>
                    <td align="right" style="color: rgb(148, 6, 6); font-
weight: 900;">*Email</td><td>   <input type="email"
style="border-radius: 5px;"></td>
                </tr>
            </table>
        </div>
        <div class="three2"><br>
            <table>
                <tr>
                    <td align="right" style="color: rgb(148, 6, 6); font-
weight: 900;">*First Name</td><td>   <input type="text"
style="border-radius: 5px;"></td>
                </tr>
                <tr>
                    <td align="right" style="color: rgb(148, 6, 6); font-
weight: 900;">*Last Name</td><td>   <input type="text"
style="border-radius: 5px;"></td>
                </tr>
                <tr>
                    <td align="right" style="color: rgb(148, 6, 6); font-
weight: 900;">*Country</td>
```

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```
                    <td>   <select name="" id="">
                        <option value="" selected
disabled>Select      </option>
                        <option value="">India</option>
                        <option value="">Pakistan</option>
                        <option value="">Sri Lanka</option>
                        <option value="">Bangladesh</option>
                        <option value="">Ukraine</option>
                        <option value="">Russia</option>
                        <option value="">Japan</option>
                        <option value="">America</option>
                        <option value="">Nepal</option>
                    </select></td>
                </tr>
                <tr>
                    <td align="right" style="color: rgb(148, 6, 6); font-
weight: 900;">*Mobile number</td><td>   <input type="text"
minlength="1" maxlength="10" style="border-radius: 5px;"></td>
                </tr>
            </table>
        </div>
    </div>
    <div class="four">
        <div class="four1">
            <p style="margin-left: 20px; color: rgb(148, 6, 6); font-weight:
bolder;font-size: large;">Account particulars</p>
            <table style="margin-left: 30%;">
                <tr>
                    <td align="right" style="color: rgb(148, 6, 6); font-
weight: 900;">*15 Digit Account <br>number</td><td>   <input
type="text" minlength="1" maxlength="10" style="border-radius: 5px;"></td>
                </tr>
                <tr>
                    <td align="right" style="color: rgb(148, 6, 6); font-
weight: 900;">*Fund Transfer</td>
                    <td>   <select name="" id="">
                        <option value="" selected
disabled>Select      </option>
                        <option value="">one</option>
                        <option value="">two</option>
                        <option value="">three</option>
                    </select></td>
                </tr>
            </table>
        </div>
        <div class="four2"><br>
            <table><br>
                <tr>
```

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```
                    <td align="right" style="color: rgb(148, 6, 6); font-
weight: 900;">       *Nick
Name</td><td>   <input type="text" style="border-radius:
5px;"></td>
                </tr>
            </table>
        </div>
    </div>
    <div class="dec">
        <p style="margin-left: 20px; color: rgb(148, 6, 6); font-weight:
bolder;font-size: large;">DECLARATION</p>
    <p style="margin-left: 20px; font-weight: 900;">
        I have read, understood and hereby agree to the Terms and Condition
in respect of all products and channels.
    </p>
    <p style="margin-left: 20px; font-weight: 900;">
        I understand that any changes in the terms and condition applicable
to this relationship would be made available to me on request <br>at any IOB
branches. I confirm that all accounts under this login name are operated
singly and in cavse of joint account operated by <br>either or survivor /
anyone or survivors under his/her joint name respectively. I do hereby declare
that information furnished in <br>this form is true to the best of my
knowledge and belief.
    </p><br><br>
    <input type="submit" style="width: 100px;margin-left:
30%;">    <input type="reset" style="width: 100px;">
    </div>
 </body>
 </html>
```

Output:

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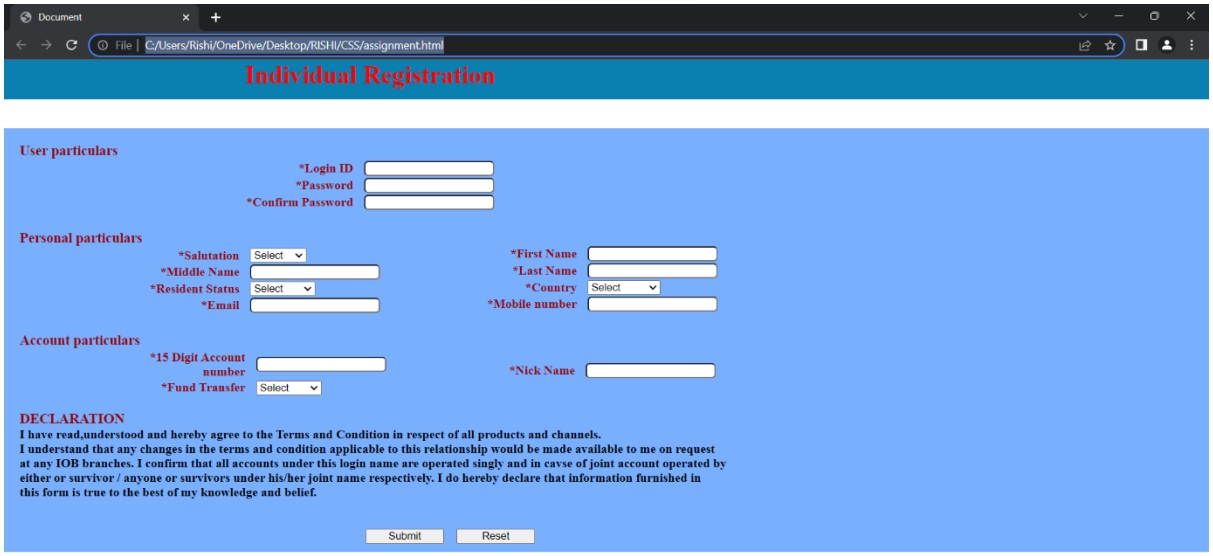

- Create link-pseudo classes using external css, to format links on the pages.

  Code:

  Html:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <link rel="stylesheet" href="C:\Users\Dell\Desktop\tops BED
program\html\assignment\pseudoclass.css">
</head>

<body>
    <div>
        <a href="abc">pseudoclass using external CSS</a>
    </div>
</body>
</html>
```

  CSS:

```
a:link {
    text-decoration:none;
  }
  a:hover {
    color: red;
    text-decoration: none;
```

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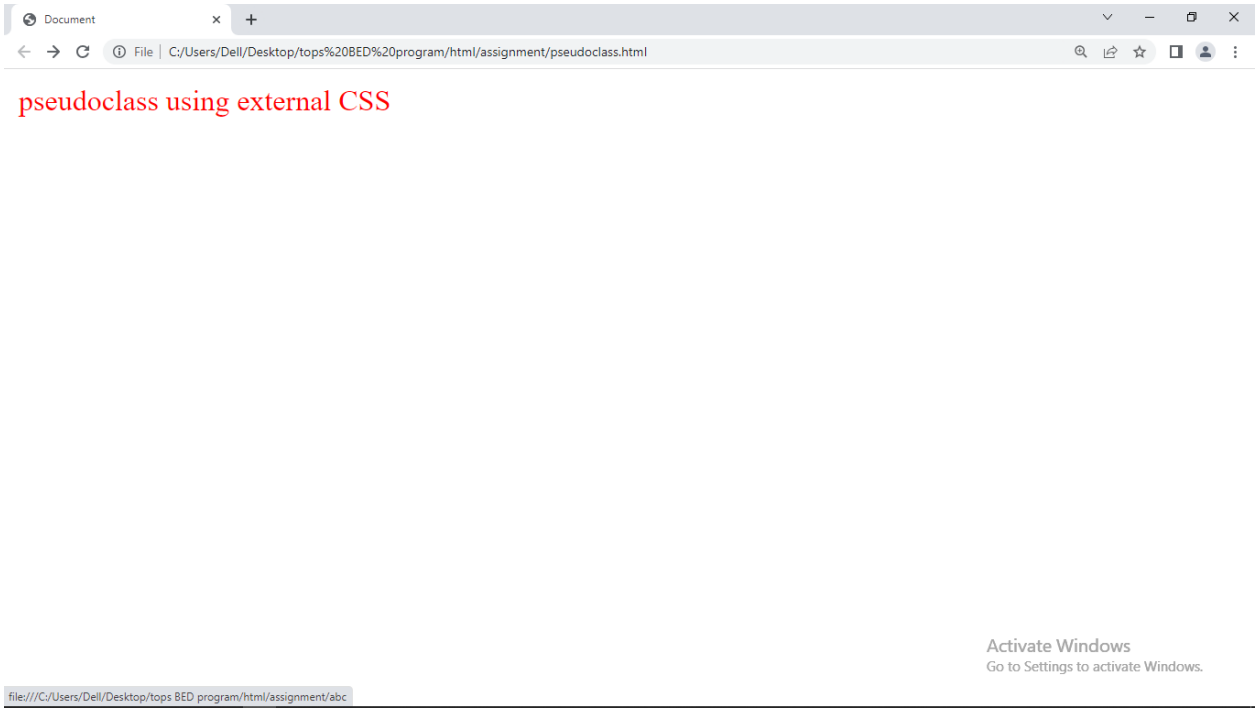
```
}
a:active {
  color: green;
}
```

Output:



- Create a dynamic pseudo class using HTML, CSS

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <style>
        input:focus {
          outline: 2px solid blue;
        }
      </style>
    </head>
    <body>
      <label for="name">Name:</label>
      <input type="text" id="name" placeholder="Enter your name">
    </body>
```

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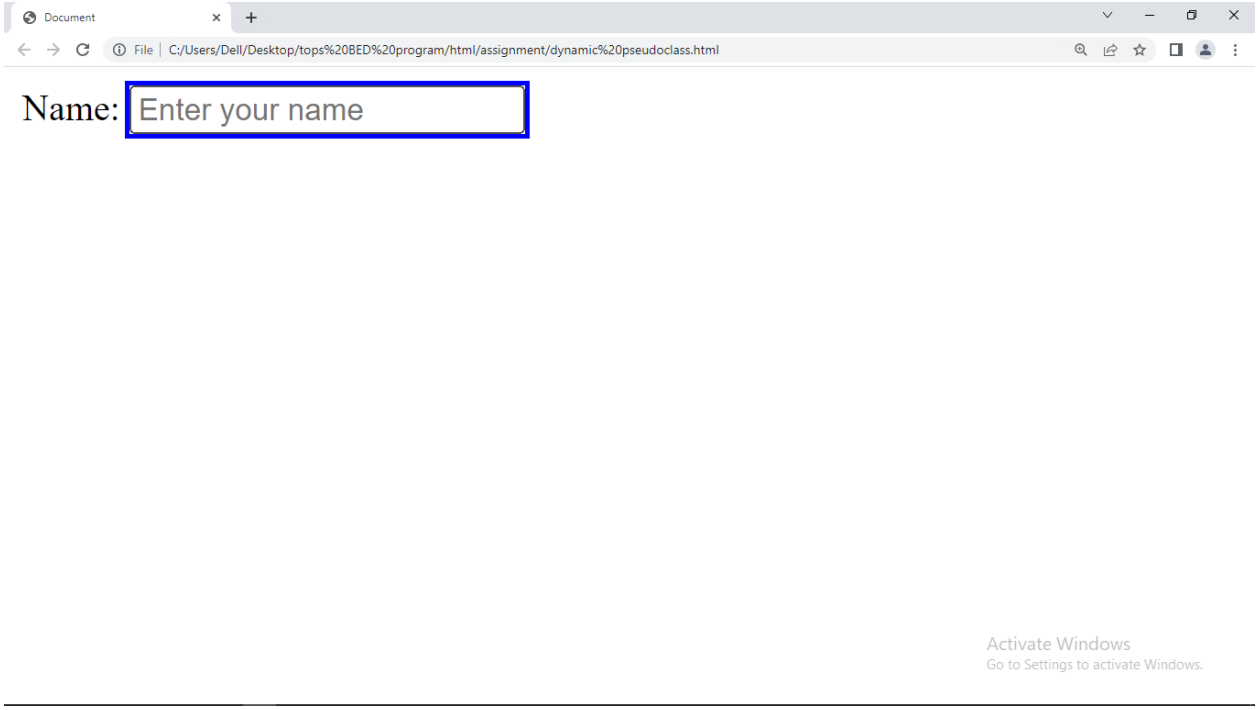
```
</html>
```

Output: