

WEB TECHNOLOGY

T1: Make a little webpage to tell a little about yourself. Use at least three levels of headings and some paragraphs.

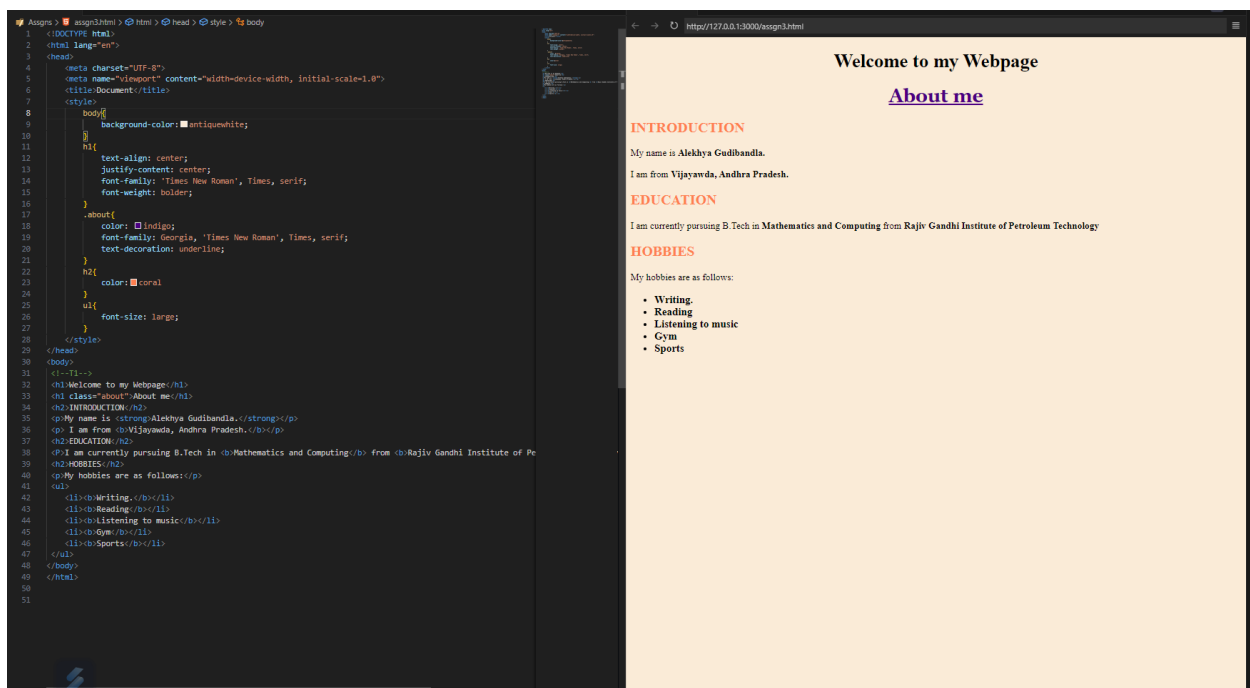
CODE:

```
<!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>
    body{
      background-color: antiquewhite;
    }
    h1{
      text-align: center;
      justify-content: center;
      font-family: 'Times New Roman', Times, serif;
      font-weight: bolder;
    }
    .about{
      color: indigo;
      font-family: Georgia, 'Times New Roman', Times, serif;
      text-decoration: underline;
    }
    h2{
      color: coral
    }
    ul{
      font-size: large;
    }
  </style>
</head>
<body>
  <!--T1-->
  <h1>Welcome to my Webpage</h1>
  <h1 class="about">About me</h1>
  <h2>INTRODUCTION</h2>
  <p>My name is <strong>Alekhya Gudibandla.</strong></p>
  <p> I am from <b>Vijayawda, Andhra Pradesh.</b></p>
  <h2>EDUCATION</h2>
  <P>I am currently pursuing B.Tech in <b>Mathematics and Computing</b> from
  <b>Rajiv Gandhi Institute of Petroleum Technology</b></P>
```

```

<h2>HOBBIES</h2>
<p>My hobbies are as follows:</p>
<ul>
  <li><b>Writing.</b></li>
  <li><b>Reading</b></li>
  <li><b>Listening to music</b></li>
  <li><b>Gym</b></li>
  <li><b>Sports</b></li>
</ul>
</body>
</html>

```



T2: Write an html page that includes a header element giving a title to some image then include the image in the page, sized appropriately, and a paragraph that describes the image.

CODE:

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Image Page</title>
  <style>
    h1{
      color:rgb(20, 132, 230);
    }
  </style>
</head>
<body>
  <img alt="A placeholder for an image." data-bbox="115 752 842 903"/>
  <p>A paragraph describing the image.</p>
</body>
</html>

```

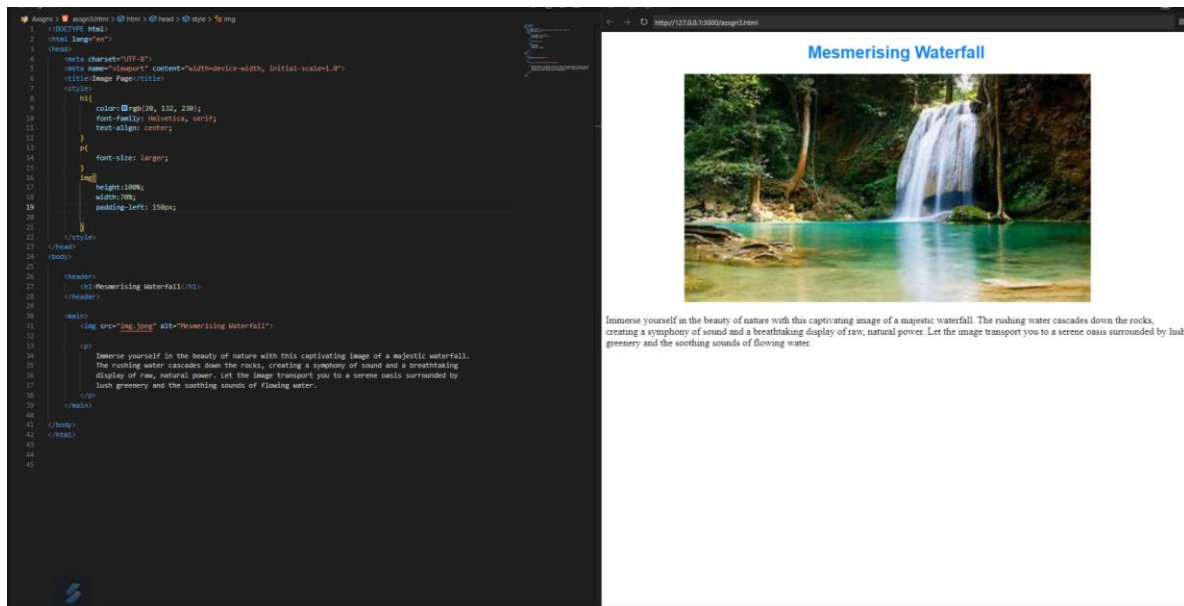
```
        font-family: Helvetica, serif;
        text-align: center;
    }
    p{
        font-size: larger;
    }
    img{
        height:100%;
        width:70%;
        padding-left: 150px;
    }
</style>
</head>
<body>

    <header>
        <h1>Mesmerising Waterfall</h1>
    </header>

    <main>
        

        <p>
            Immerse yourself in the beauty of nature with this captivating
            image of a majestic waterfall.
            The rushing water cascades down the rocks, creating a symphony of
            sound and a breathtaking
            display of raw, natural power. Let the image transport you to a
            serene oasis surrounded by
            lush greenery and the soothing sounds of flowing water.
        </p>
    </main>

</body>
</html>
```



T3. Make an ordered list that has capital roman numerals at the highest level and lower-case roman numerals for the second level items. List three countries at the first level, and for each of those list two spoken languages in that country.

CODE:

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Country Languages</title>
  <style>
    h1{
      text-align: center;
    }
    .sub{
      color:indigo;
      font-weight: bold;
      font-size: large;
    }
    .main{
      color:brown
    }
  </style>
</head>
<body>

  <h1>Countries and Languages</h1>

```

```

<ol type="I">
  <li class="main">
    <strong>Italy</strong>
    <ol type="i" class="sub">
      <li>Italian</li>
      <li>English</li>
    </ol>
  </li>
  <li class="main">
    <strong>Spain</strong>
    <ol type="i" class="sub">
      <li>Spanish</li>
      <li>Cataalan</li>
    </ol>
  </li>
  <li class="main">
    <strong>France</strong>
    <ol type="i" class="sub">
      <li>French</li>
      <li>English</li>
    </ol>
  </li>
</ol>

</body>
</html>

```

```

1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>Country Languages</title>
7    <style>
8      h1{
9        text-align: center;
10      }
11      .sub{
12        color: indigo;
13        font-weight: bold;
14        font-size: large;
15      }
16      .main{
17        color: brown
18      }
19    </style>
20  </head>
21  <body>
22
23    <ol>Countries and Languages</ol>
24
25    <ol type="I">
26      <li class="main">
27        <strong>Italy</strong>
28        <ol type="i" class="sub">
29          <li>Italian</li>
30          <li>English</li>
31        </ol>
32      </li>
33      <li class="main">
34        <strong>Spain</strong>
35        <ol type="i" class="sub">
36          <li>Spanish</li>
37          <li>Cataalan</li>
38        </ol>
39      </li>
40      <li class="main">
41        <strong>France</strong>
42        <ol type="i" class="sub">
43          <li>French</li>
44          <li>English</li>
45        </ol>
46      </li>
47    </ol>
48
49  </body>
50 </html>
51
52
53
54

```

Countries and Languages

- I. Italy
 - i. Italian
 - ii. English
- II. Spain
 - i. Spanish
 - ii. Cataalan
- III. France
 - i. French
 - ii. English

T4: Make a webpage that uses a table to create two columns. In the left column should be a bulleted list of 5 countries. In the right column should be a numbered list of capitals of those countries.

```
<table>

<thead> <tr>

<th>Column 1</th>
<th>Column 2</th>

...

</tr>

</thead>

<tbody> <tr>

<td>Data 1</td>
<td>Data 2</td>

...

</tr>

<tr>

...

</tr>

</tbody>

<tfoot> </tfoot>

</table>
```

CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Nature Fun Facts</title>
  <style>
    h1{
      text-align: center;
    }
    table {
      border-collapse: collapse;
      width: 100%;
      margin-top: 20px;
    }

    th {
      border: 1px solid #ddd;
      padding: 10px;
```

```

        text-align: center;
    }
    td{
        border: 1px solid #ddd;
        padding: 10px;
        text-align: left;
    }

    th {
        background-color: #f2f2f2;
    }
</style>
</head>
<body>

    <h1>Nature Fun Facts</h1>

    <table>
        <thead>
            <tr>
                <th>Category</th>
                <th>Fun Fact</th>
            </tr>
        </thead>
        <tbody>
            <tr>
                <td>Animals</td>
                <td>The tongue of a blue whale can weigh as much as an
elephant.</td>
            </tr>
            <tr>
                <td>Plants</td>
                <td>Bamboo is the fastest-growing plant on Earth; it can grow
up to 3 feet in a day.</td>
            </tr>
            <tr>
                <td>Weather</td>
                <td>Lightning can strike the same place twice, and it can
reach temperatures five times hotter than the sun.</td>
            </tr>
            <tr>
                <td>Oceans</td>
                <td>The Great Barrier Reef is the largest living structure on
Earth, visible from space.</td>
            </tr>
            <tr>
                <td>Space</td>

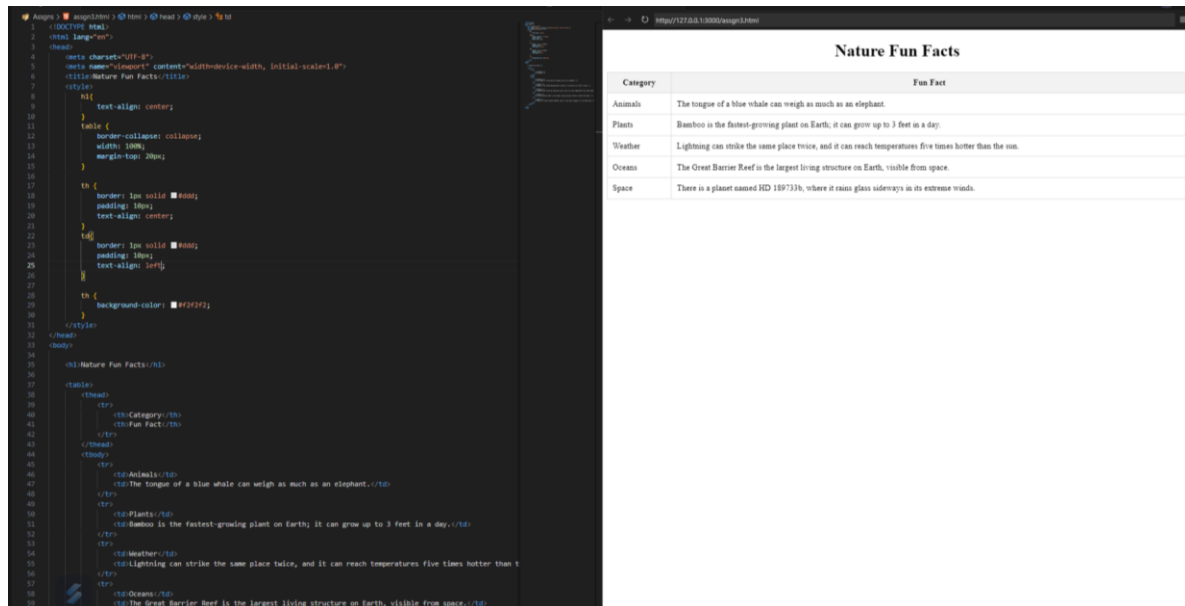
```

```

        <td>There is a planet named HD 189733b, where it rains glass
sideways in its extreme winds.</td>
    </tr>
</tbody>
</table>

</body>
</html>

```



T5: Make a table that looks like this:

Country Politicians

Turkmenistan President Gurbanguly

Berdimuhamedow

Vice-President Raşit Meredow

Eritrea

President Isaias Afwerki

Vice-President None

*Hint, this is going to require both rowspan and colspan. Also, Do not try to do this all at once.

Start with the header, then move on to the rest of the table, working in small parts.


```

<table>
<thead>
<tr>
<th>Product</th>
<th colspan="2">Sales</th>
<th rowspan="2">Total</th>
</tr>
<tr>
<th></th>
<th>Q1</th>
<th>Q2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Widget A</td>
<td>100</td>
<td>150</td>
<td>250</td>
</tr>
<tr>
<td>Widget B</td>
<td>200</td>
<td>180</td>
<td>380</td>
</tr>
</tbody>
</table>

```

CODE:

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Country Politicians</title>
  <style>
    table {
      border-collapse: collapse;
      width: 100%;
      margin-top: 20px;
    }
  </style>
</head>
<body>
  <table>
    <thead>
      <tr>
        <th>Product</th>
        <th colspan="2">Sales</th>
        <th rowspan="2">Total</th>
      </tr>
      <tr>
        <th></th>
        <th>Q1</th>
        <th>Q2</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>Widget A</td>
        <td>100</td>
        <td>150</td>
        <td>250</td>
      </tr>
      <tr>
        <td>Widget B</td>
        <td>200</td>
        <td>180</td>
        <td>380</td>
      </tr>
    </tbody>
  </table>
</body>
</html>

```

```

    }

    td {
        border: 1px solid #ddd;
        padding: 10px;
        text-align: left;
    }

    th {
        background-color: #f2f2f2;
        border: 1px solid #ddd;
        padding: 10px;
        text-align: center;
    }
</style>
</head>
<body>

    <h1>Country Politicians</h1>

    <table>
        <thead>
            <tr>
                <th>Country</th>
                <th colspan="2">Politicians</th>
            </tr>
        </thead>
        <tbody>
            <tr>
                <td rowspan="2">Turkmenistan</td>
                <td>President</td>
                <td>Gurbanguly</td>
            </tr>
            <tr>
                <td></td>
                <td>Berdimuhamedow</td>
            </tr>
            <tr>
                <td rowspan="2">Turkmenistan</td>
                <td>Vice-President</td>
                <td>Raşit Meredow</td>
            </tr>
            <tr>
                <td></td>
                <td></td>
            </tr>
            <tr>
                <td rowspan="2">Eritrea</td>

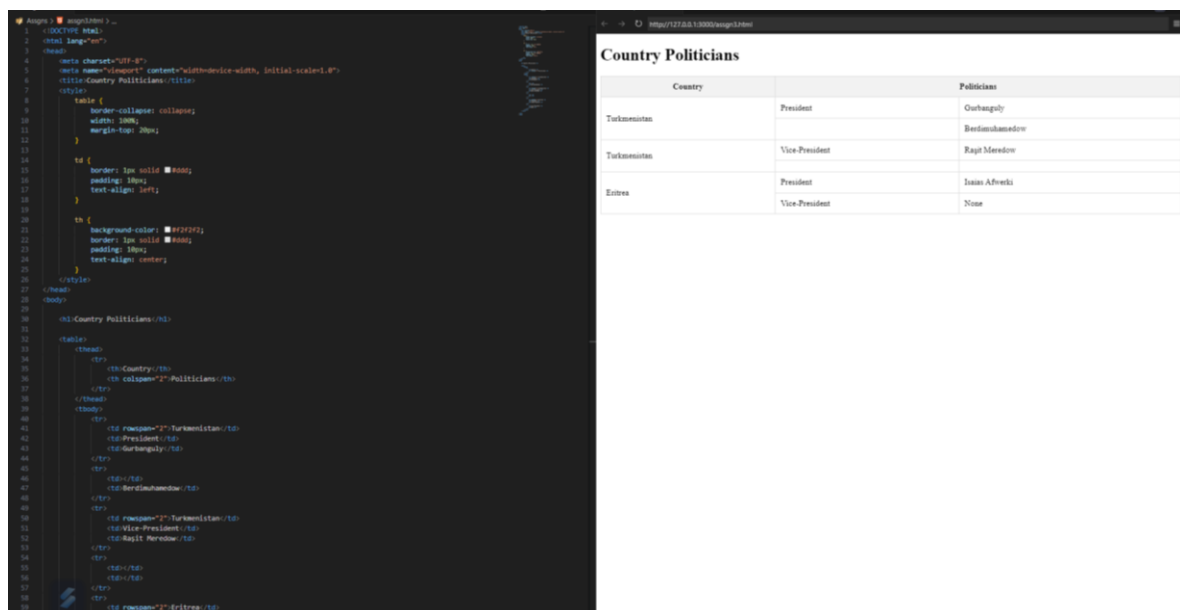
```

```

        <td>President</td>
        <td>Isaias Afwerki</td>
    </tr>
    <tr>
        <td>Vice-President</td>
        <td>None</td>
    </tr>
</tbody>
</table>

</body>
</html>

```



T6. Make a webpage that links to four of your favourite websites.

CODE:

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>My Favorite Websites</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f4f4f4;
            margin: 20px;
        }
    </style>

```

```
h1 {
  color: #333;
  text-align: center;
}

ul {
  list-style: none;
  padding: 0;
}

li {
  margin: 10px;
}

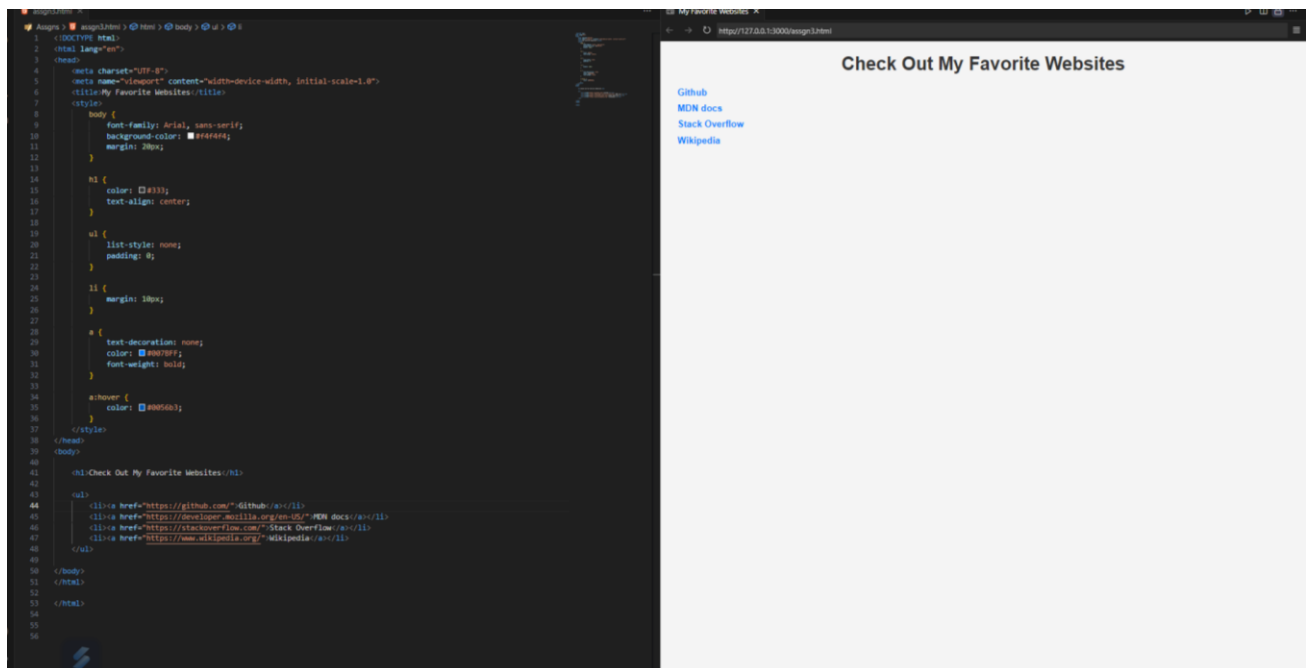
a {
  text-decoration: none;
  color: #007BFF;
  font-weight: bold;
}

a:hover {
  color: #0056b3;
}
</style>
</head>
<body>

<h1>Check Out My Favorite Websites</h1>

<ul>
  <li><a href="https://github.com/">Github</a></li>
  <li><a href="https://developer.mozilla.org/en-US/">MDN docs</a></li>
  <li><a href="https://stackoverflow.com/">Stack Overflow</a></li>
  <li><a href="https://www.wikipedia.org/">Wikipedia</a></li>
</ul>

</body>
</html>
```



T7. Make a webpage with a link at the bottom that when clicked will jump you all the way to the top of the page.

CODE:

```

<!DOCTYPE html>
<html>
  <head>
    <title>Stylish Webpage</title>
    <style>
      body {
        font-family: 'Arial', sans-serif;
        background-color: #f4f4f4;
        color: #333;
        margin: 0;
        padding: 0;
      }

      h1 {
        text-align: center;
        color: #333;
      }

      p {
        line-height: 1.6;
        margin-bottom: 20px;
      }

      a {

```

```
    color: #007BFF;
    text-decoration: none;
    transition: color 0.3s ease;
  }

  a:hover {
    color: #0056b3;
  }

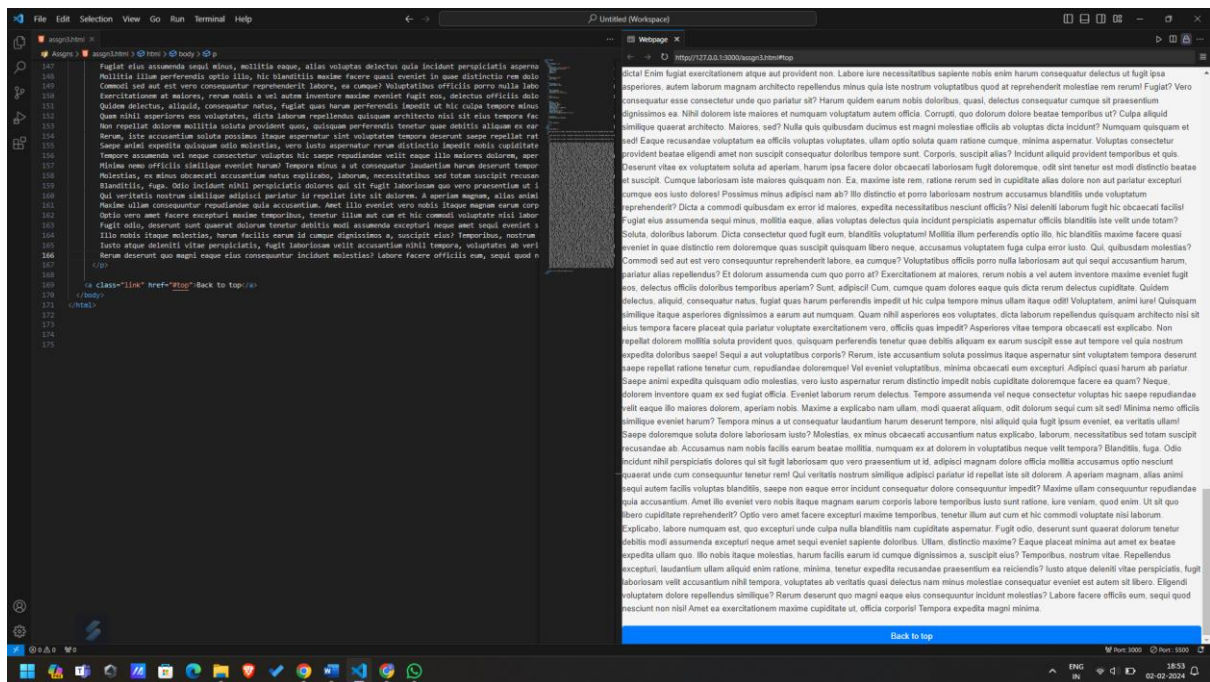
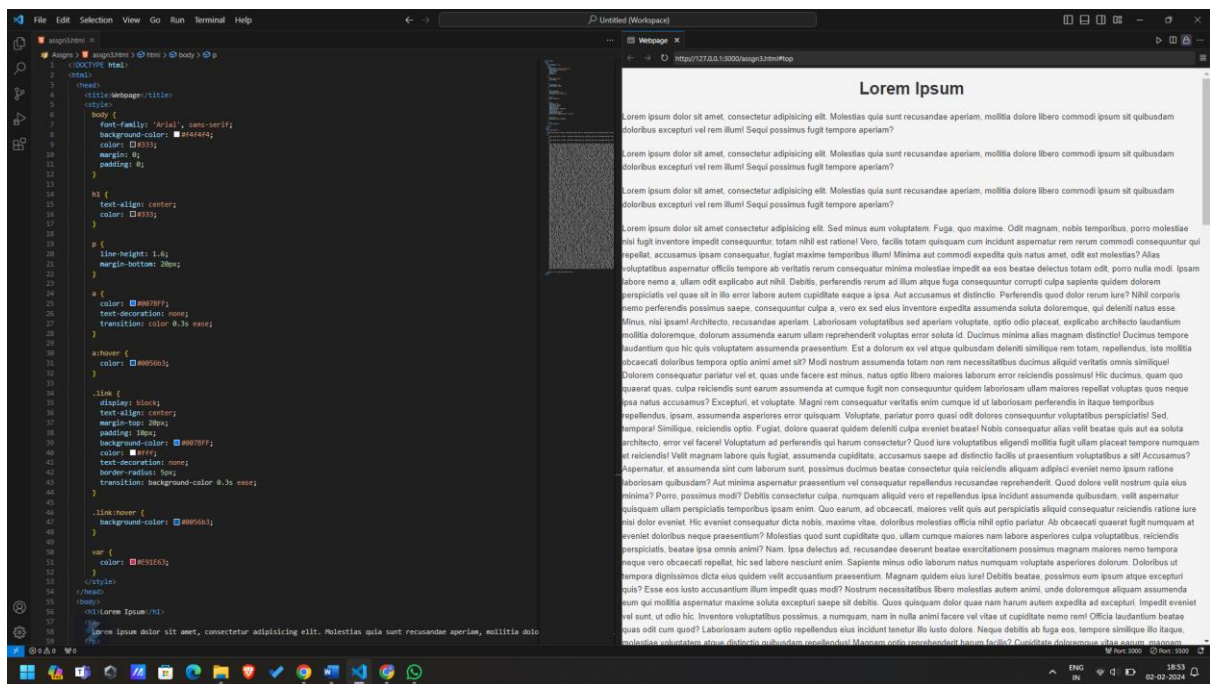
  .link {
    display: block;
    text-align: center;
    margin-top: 20px;
    padding: 10px;
    background-color: #007BFF;
    color: #fff;
    text-decoration: none;
    border-radius: 5px;
    transition: background-color 0.3s ease;
  }

  .link:hover {
    background-color: #0056b3;
  }

  var {
    color: #E91E63;
  }
</style>
</head>
<body>
  <h1>Lorem Ipsum</h1>
  <p>

  </p>

  <a class="link" href="#top">Back to top</a>
</body>
</html>
```



T8: Make a webpage with a link at the top of it that when clicked will jump all the way to the bottom of the page. At the bottom of the page there should be a link to jump back to the top of the page.

CODE:

T8: Make a webpage with a link at the top of it that when clicked will jump all the way to the bottom of the page. At the bottom of the page there should be a link to jump back to the top of the page.

CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Stylish Webpage</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 0;
      padding: 0;
      background-color: #f4f4f4;
      color: #333;
      line-height: 1.6;
    }

    h1 {
      text-align: center;
      color: #333;
      margin-top: 50px;
    }

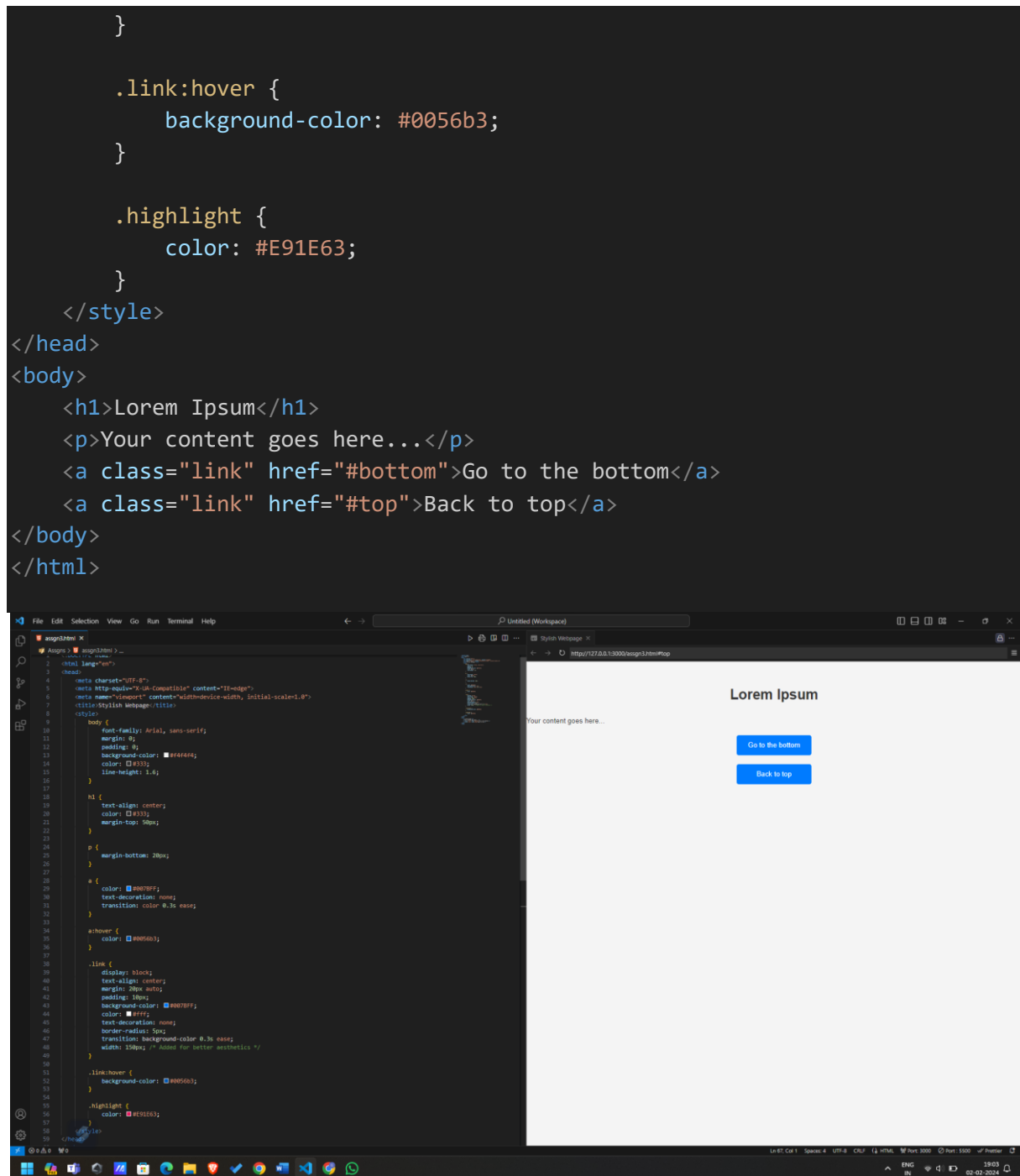
    p {
      margin-bottom: 20px;
    }

    a {
      color: #007BFF;
      text-decoration: none;
      transition: color 0.3s ease;
    }

    a:hover {
      color: #0056b3;
    }

    .link {
      display: block;
      text-align: center;
      margin: 20px auto;
      padding: 10px;
      background-color: #007BFF;
      color: #fff;
      text-decoration: none;
      border-radius: 5px;
      transition: background-color 0.3s ease;
      width: 150px; /* Added for better aesthetics */
    }
  </style>

```

T9: T9. Make a webpage with an image that has a border of size 2, a width of 200, and a height of 200.

CODE:

```

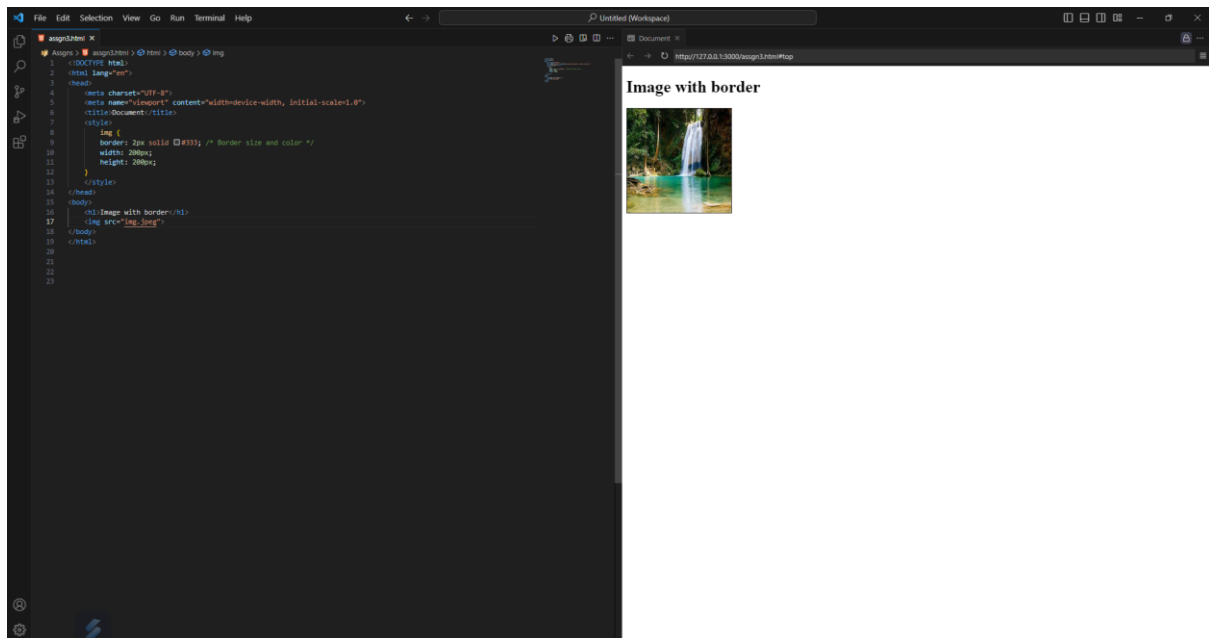
<!DOCTYPE html>
<html lang="en">
<head>

```

```

<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Document</title>
<style>
    img {
        border: 2px solid #333; /* Border size and color */
        width: 200px;
        height: 200px;
    }
</style>
</head>
<body>
    <h1>Image with border</h1>
    
</body>
</html>

```



T10. Make a webpage with five different images. Skip two lines between each image (Use

**
 tag). Each image should have a caption.**

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>
  <h1>Five Images with Captions</h1>

  <figure>
    
    <figcaption>Caption for Image 1</figcaption>
  </figure>

  <br>

  <figure>
    
    <figcaption>Caption for Image 2</figcaption>
  </figure>

  <br>

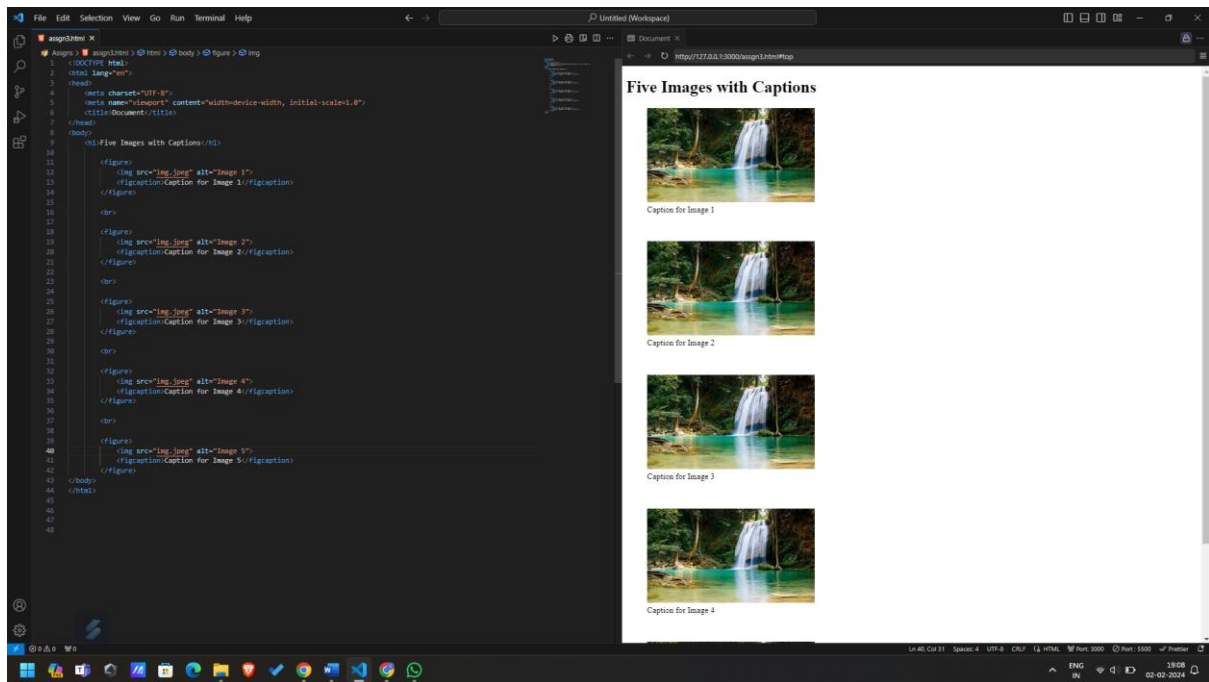
  <figure>
    
    <figcaption>Caption for Image 3</figcaption>
  </figure>

  <br>

  <figure>
    
    <figcaption>Caption for Image 4</figcaption>
  </figure>

  <br>

  <figure>
    
    <figcaption>Caption for Image 5</figcaption>
  </figure>
</body>
</html>
```



T11. Make a webpage with an image that when clicked will link to a search engine of your choice.

CODE:

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Webpage with Image Linking to Search Engine</title>
</head>
<body>
  <h1>Image Linking to Search Engine</h1>

  <a href="https://www.google.com" target="_blank">
    
  </a>
</body>
</html>

```

