

Web Technology Lab

Assignment 2

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

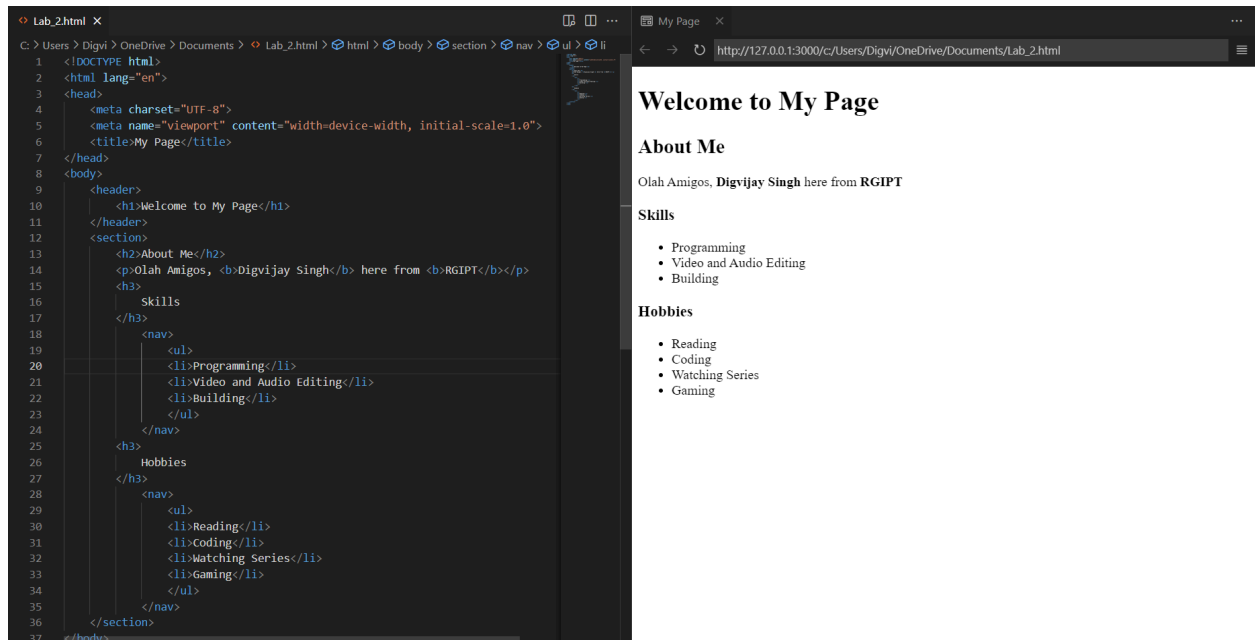
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>My Page</title>
</head>
<body>
  <header>
    <h1>Welcome to My Page</h1>
  </header>
  <section>
    <h2>About Me</h2>
    <p>Olah Amigos, <b>Digvijay Singh</b> here from <b>RGIPT</b></p>
    <h3>
      Skills
    </h3>
    <nav>
      <ul>
        <li>Programming</li>
        <li>Video and Audio Editing</li>
        <li>Building</li>
      </ul>
    </nav>
    <h3>
      Hobbies
    </h3>
  </section>

```

```

        <nav>
            <ul>
                <li>Reading</li>
                <li>Coding</li>
                <li>Watching Series</li>
                <li>Gaming</li>
            </ul>
        </nav>
    </section>
</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.

```

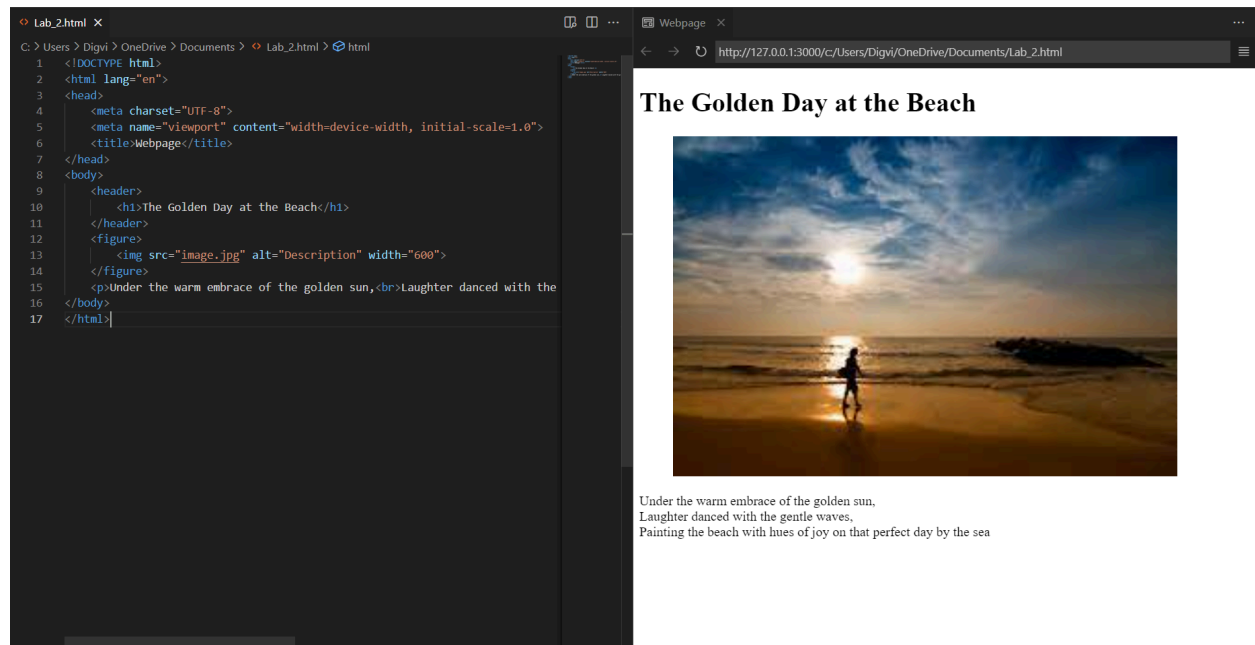
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Webpage</title>
</head>
<body>
    <header>
        <h1>The Golden Day at the Beach</h1>
    </header>

```

```

</header>
<figure>
  
</figure>
<p>Under the warm embrace of the golden sun,<br>Laughter danced with the gentle waves,<br>Painting the beach with hues of joy on that perfect day by the sea</p>
</body>
</html>

```



T3. Make an ordered list that has capital roman numerals at the highest level and lowercase 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.

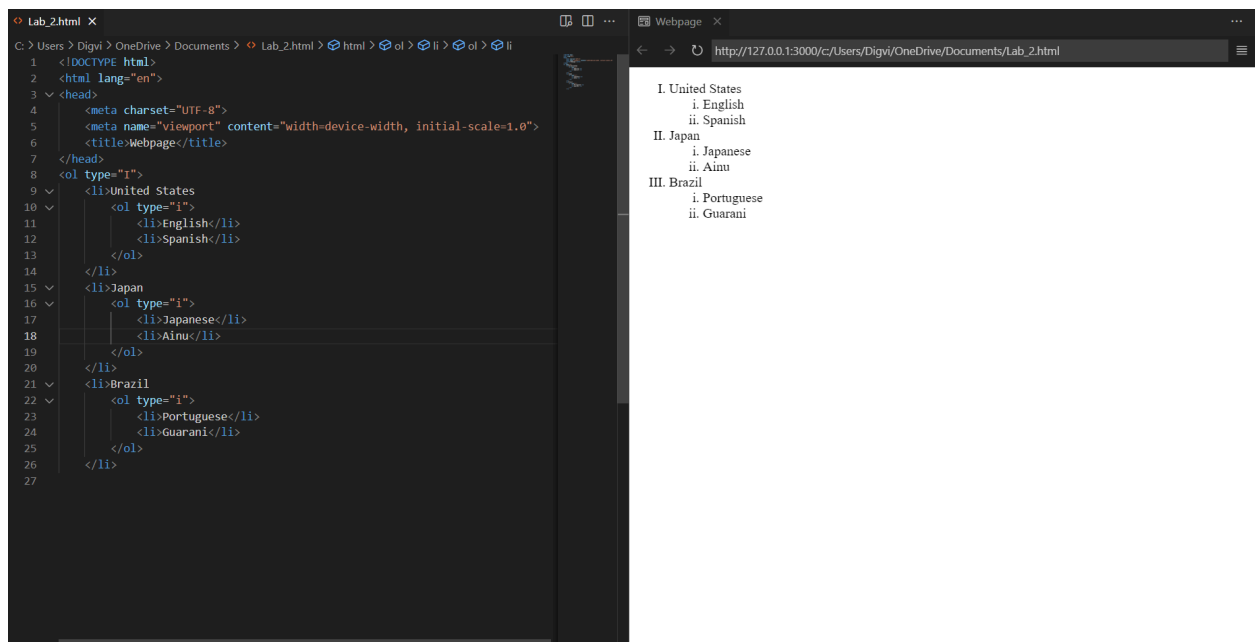
```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Webpage</title>
</head>
<ol type="I">
  <li>United States
    <ol type="i">
      <li>English</li>
      <li>Spanish</li>
    </ol>
  
```

```

</li>
<li>Japan
  <ol type="i">
    <li>Japanese</li>
    <li>Ainu</li>
  </ol>
</li>
<li>Brazil
  <ol type="i">
    <li>Portuguese</li>
    <li>Guarani</li>
  </ol>
</li>

```



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.

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Countries and Capitals</title>
  <style>
    table {
      border-collapse: collapse;
      width: 50%;
      margin: 20px;
    }
  </style>

```

```

    }

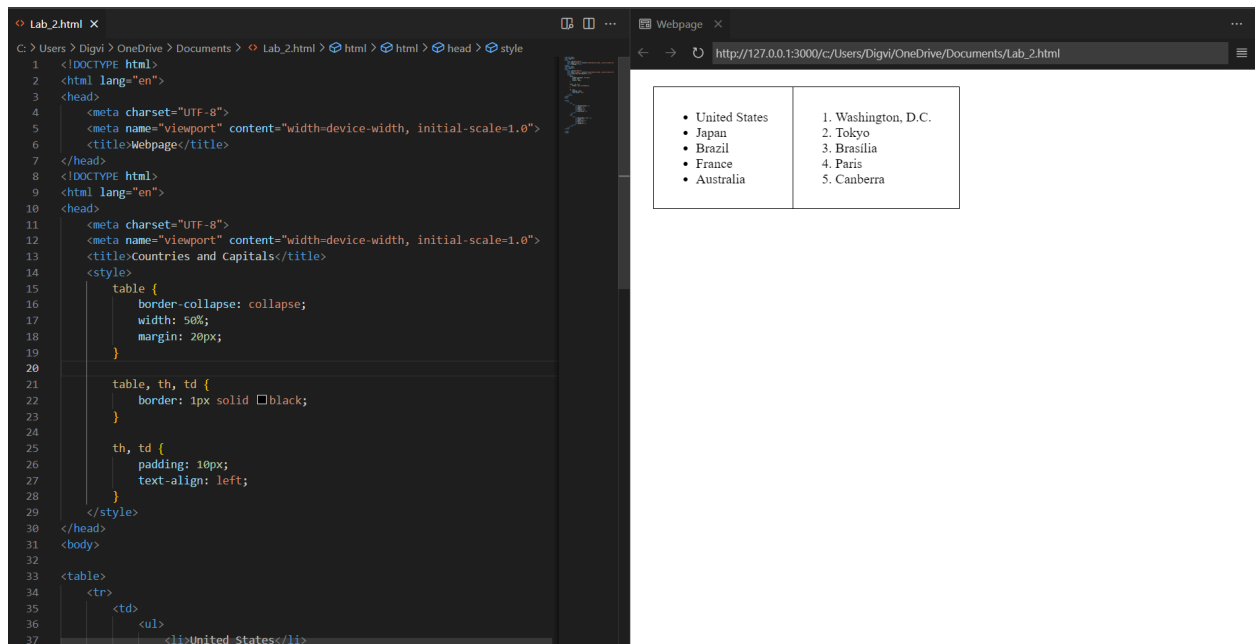
    table, th, td {
        border: 1px solid black;
    }

    th, td {
        padding: 10px;
        text-align: left;
    }
</style>
</head>
<body>

<table>
  <tr>
    <td>
      <ul>
        <li>United States</li>
        <li>Japan</li>
        <li>Brazil</li>
        <li>France</li>
        <li>Australia</li>
      </ul>
    </td>
    <td>
      <ol>
        <li>Washington, D.C.</li>
        <li>Tokyo</li>
        <li>Brasília</li>
        <li>Paris</li>
        <li>Canberra</li>
      </ol>
    </td>
  </tr>
</table>

</body>
</html>

```



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

```

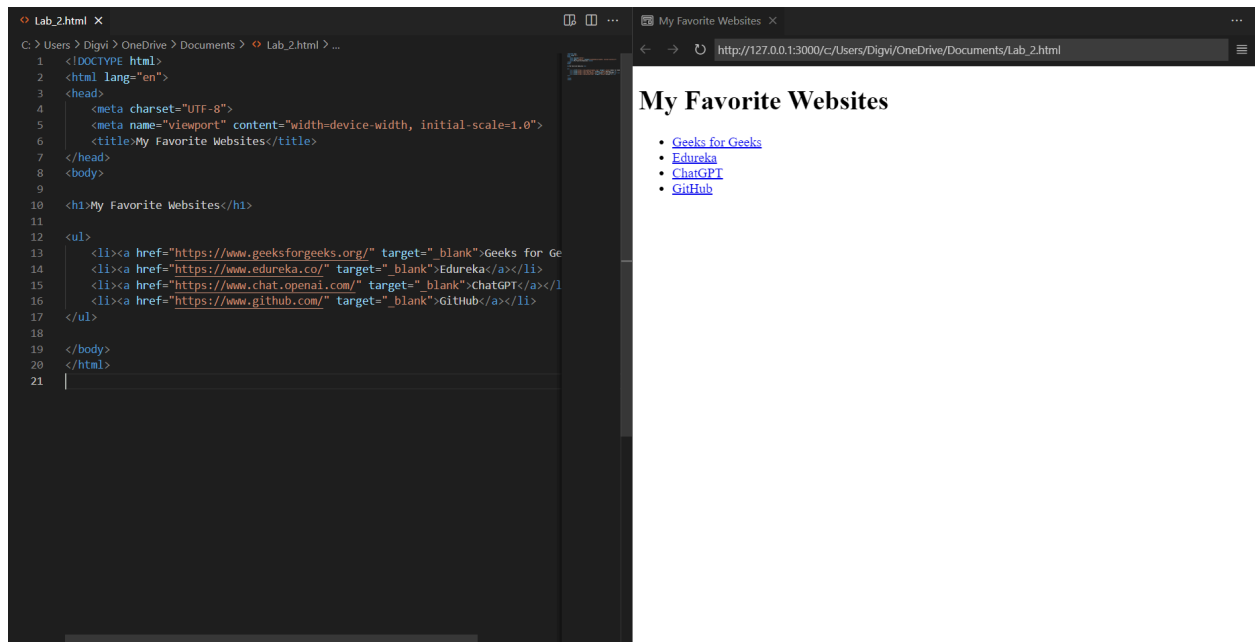
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>My Favorite Websites</title>
</head>
<body>

<h1>My Favorite Websites</h1>

<ul>
  <li><a href="https://www.geeksforgeeks.org/" target="_blank">Geeks for
Geeks</a></li>
  <li><a href="https://www.edureka.co/" target="_blank">Edureka</a></li>
  <li><a href="https://www.chat.openai.com/"
target="_blank">ChatGPT</a></li>
  <li><a href="https://www.github.com/" target="_blank">GitHub</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.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Jump to Top</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 20px;
    }

    #top-link {
      position: fixed;
      bottom: 20px;
      right: 20px;
    }
  </style>
</head>
<body>

<h1>Poem: Web Technology</h1>
<pre>
In the realm of code, where languages weave,
A digital tapestry, as vast as eve.
Web technology, a dance of light,
In the vast expanse of digital night.
```

Lines of HTML, a foundation laid,
A structure built, where dreams are made.
CSS cascades in styles arrayed,
Colors and layouts, a symphony played.

JavaScript, the maestro's wand,
With interactivity, the stage is fond.
Dynamic pages, responsive and free,
A ballet of elements, a choreography spree.

Servers hum softly in data's embrace,
Databases storing time and space.
Information flows, a river so wide,
In the world of web, where connections bide.

Frameworks and libraries, tools in hand,
Empowering developers to shape the land.
From Angular's embrace to React's tender sway,
A chorus of voices, each with its say.

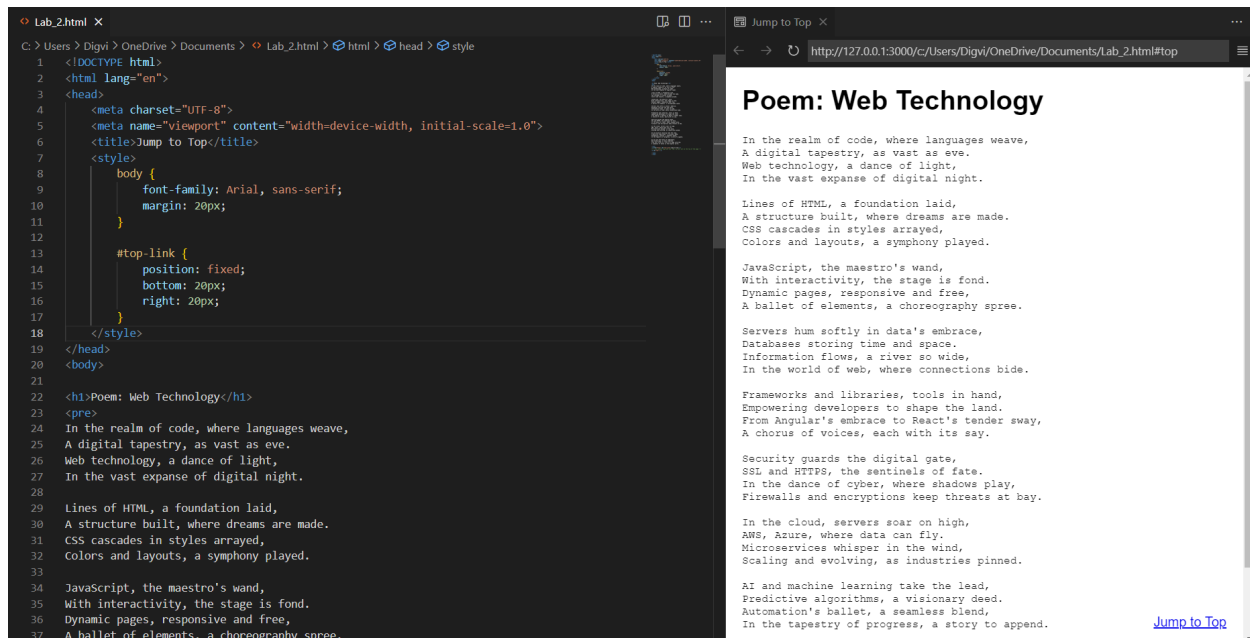
Security guards the digital gate,
SSL and HTTPS, the sentinels of fate.
In the dance of cyber, where shadows play,
Firewalls and encryptions keep threats at bay.

In the cloud, servers soar on high,
AWS, Azure, where data can fly.
Microservices whisper in the wind,
Scaling and evolving, as industries pinned.

AI and machine learning take the lead,
Predictive algorithms, a visionary deed.
Automation's ballet, a seamless blend,
In the tapestry of progress, a story to append.

As we surf the waves of cyberspace,
Web technology, a cosmic embrace.
From the click of a link to a page unfurled,
A symphony of bytes in the digital world.

```
</pre>  
<a href="#top" id="top-link">Jump to Top</a>  
<a id="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.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Jump to Top and Bottom</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 20px;
    }

    #top-link {
      position: fixed;
      top: 20px;
      right: 20px;
    }

    #bottom-link {
      position: fixed;
      bottom: 20px;
      right: 20px;
    }
  </style>
</head>
<body>
```

```
<a href="#bottom" id="top-link">Jump to Bottom</a>
<pre>
In the realm of code, where languages weave,
A digital tapestry, as vast as eve.
Web technology, a dance of light,
In the vast expanse of digital night.

Lines of HTML, a foundation laid,
A structure built, where dreams are made.
CSS cascades in styles arrayed,
Colors and layouts, a symphony played.

JavaScript, the maestro's wand,
With interactivity, the stage is fond.
Dynamic pages, responsive and free,
A ballet of elements, a choreography spree.

Servers hum softly in data's embrace,
Databases storing time and space.
Information flows, a river so wide,
In the world of web, where connections bide.

Frameworks and libraries, tools in hand,
Empowering developers to shape the land.
From Angular's embrace to React's tender sway,
A chorus of voices, each with its say.

Security guards the digital gate,
SSL and HTTPS, the sentinels of fate.
In the dance of cyber, where shadows play,
Firewalls and encryptions keep threats at bay.

In the cloud, servers soar on high,
AWS, Azure, where data can fly.
Microservices whisper in the wind,
Scaling and evolving, as industries pinned.

AI and machine learning take the lead,
Predictive algorithms, a visionary deed.
Automation's ballet, a seamless blend,
In the tapestry of progress, a story to append.

As we surf the waves of cyberspace,
Web technology, a cosmic embrace.
From the click of a link to a page unfurled,
A symphony of bytes in the digital world.
</pre>
<a href="#top" id="bottom-link">Jump to Top</a>
```

```

<!-- This anchor tag with the 'top' id will act as the top of the page -->
<a id="top"></a>

<pre>
On the canvas of browsers, where windows peek,
Tabs like portals, in a journey unique.
From Mozilla's fire to Chrome's sleek ride,
Safari's elegance, and Explorer's tide.

E-commerce bazaars, where pixels trade,
Shopping carts dance, in a virtual parade.
Bitcoin whispers in the blockchain's ear,
A decentralized waltz, without fear.

Social networks, a global masquerade,
Status updates, in timelines laid.
Twitter's tweets in a fleeting breeze,
Facebook's stories, a digital tease.

SEO wizards conjure spells of search,
Keywords align, in algorithms' perch.
Content creators, crafting tales online,
Blogs and vlogs, where narratives shine.

Responsive design, on screens of all size,
Mobile-friendly, where beauty lies.
From desktop towers to phones so smart,
Web technology, an evolving art.

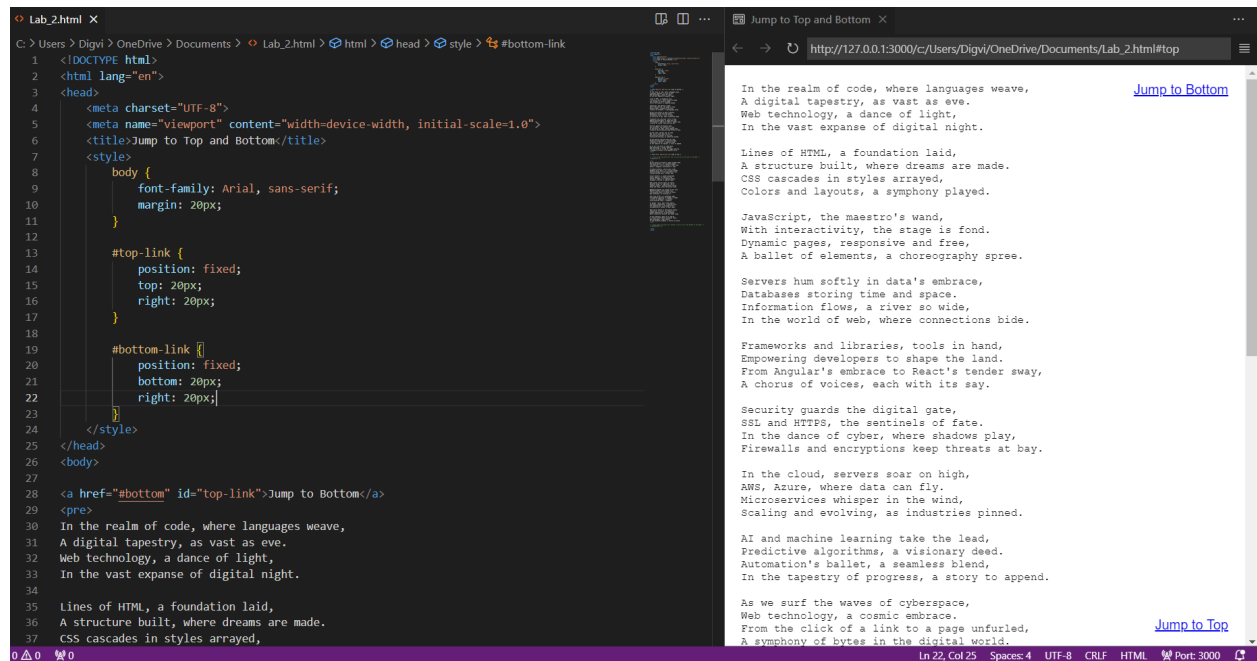
APIs link worlds in a handshake tight,
From RESTful gestures to GraphQL's flight.
A chorus of endpoints, in harmony,
Interconnected nodes, a symphony.

In the cybernetic dance of 1s and 0s,
A virtual ballet where innovation flows.
Web technology, a saga untold,
In the boundless expanse, a future to unfold.
</pre>

<!-- This anchor tag with the 'bottom' id will act as the bottom of the
page -->
<a id="bottom"></a>

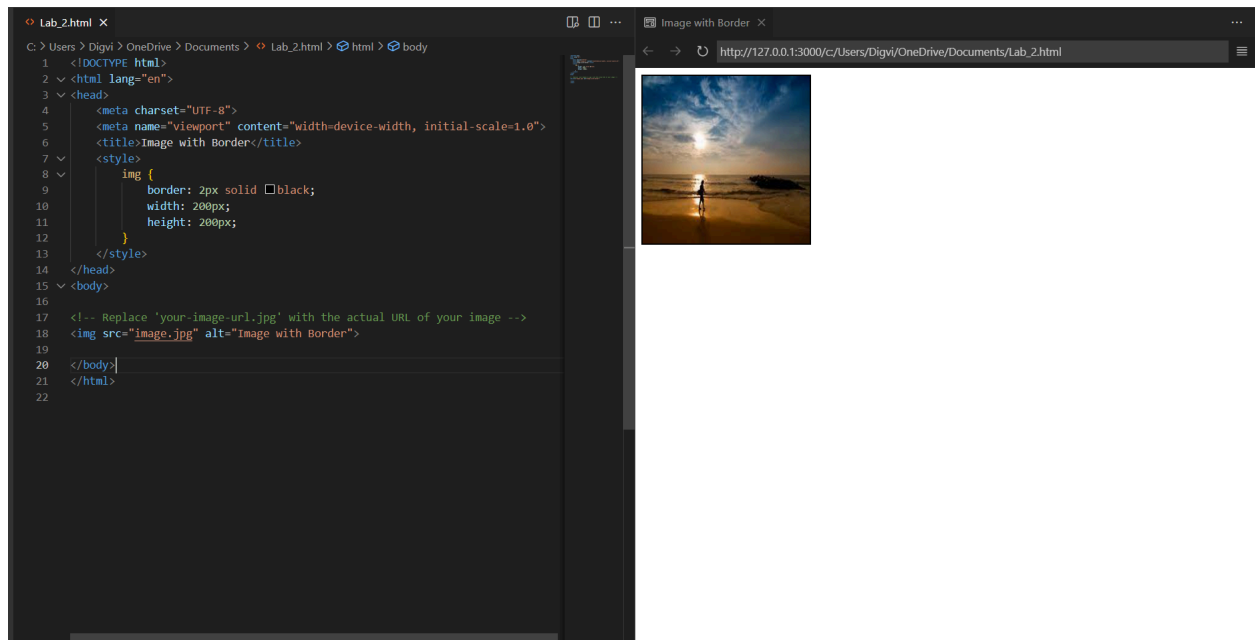
</body>
</html>

```



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

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Image with Border</title>
  <style>
    img {
      border: 2px solid black;
      width: 200px;
      height: 200px;
    }
  </style>
</head>
<body>
  
</body>
</html>
```



T10. Make a webpage with five different images. Skip two lines between each image (Use `
` tag). Each image should have a caption.

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Image Gallery</title>
</head>
<body>

<!-- Image 1 -->

<br>
<br>
<p>Sunset</p>

<!-- Image 2 -->

<br>
<br>
<p>Helicopter</p>

<!-- Image 3 -->

<br>
<br>

```

```

<p>Bridge</p>

<!-- Image 4 -->

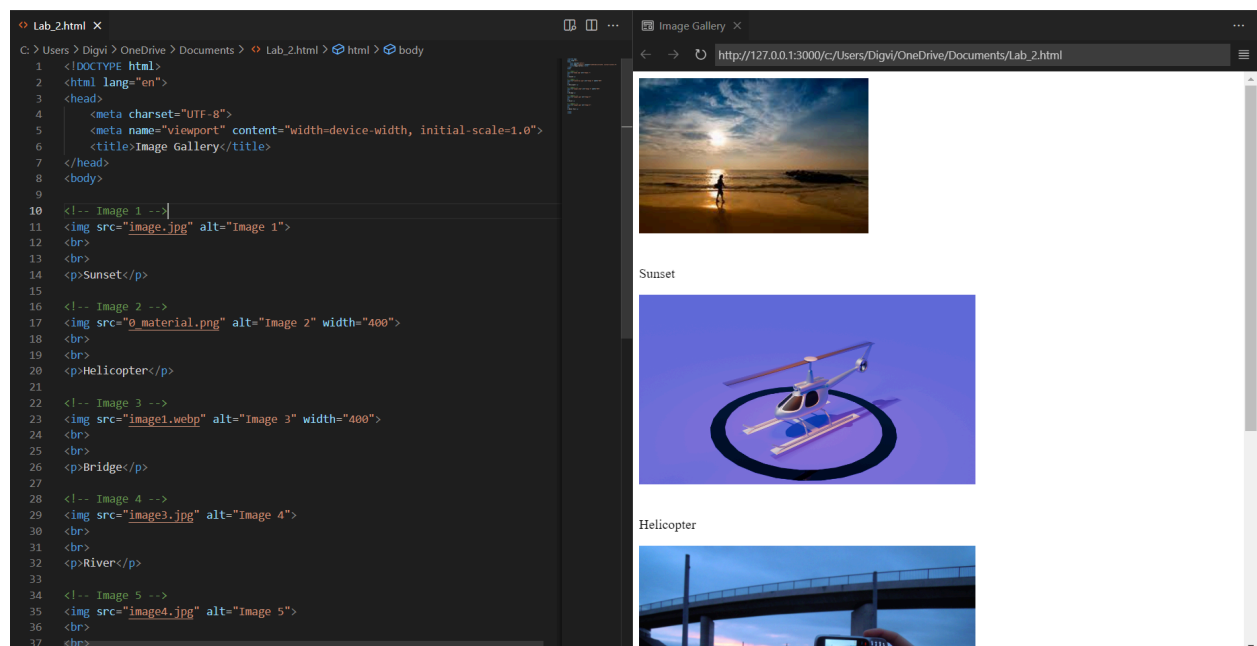
<br>
<br>
<p>River</p>

<!-- Image 5 -->

<br>
<br>
<p>Water Fall</p>

</body>
</html>

```



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

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Search Engine Link</title>
</head>

```

```
<body>

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

</body>
</html>
```

