

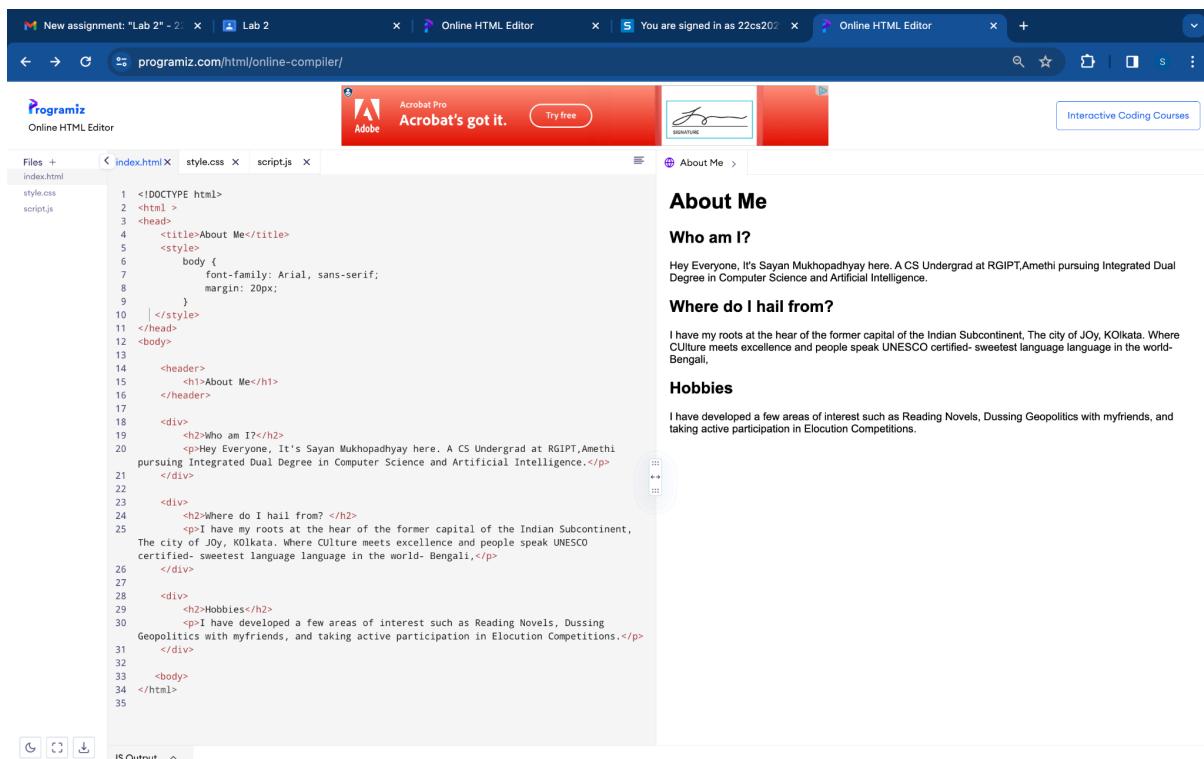
LAB ASSIGNMENT-02

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ROLL NO: 22CS2021

BRANCH: IDD

Q1)



The screenshot shows a web browser window with the following details:

- Address Bar:** programiz.com/html/online-compiler/
- Header:** Programiz Online HTML Editor
- Toolbar:** Includes links for Acrobat Pro, Try free, Signature, and Interactive Coding Courses.
- File List:** Files + index.html X style.css X script.js X
- Code Editor:** Displays the HTML, CSS, and JavaScript code for an "About Me" page.

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>About Me</title>
5   <style>
6     body {
7       font-family: Arial, sans-serif;
8       margin: 20px;
9     }
10  |</style>
11 </head>
12 <body>
13
14  <header>
15    <h1>About Me</h1>
16  </header>
17
18  <div>
19    <h2>Who am I?</h2>
20    <p>Hey Everyone, It's Sayan Mukhopadhyay here. A CS Undergrad at RGIFT, Amethi pursuing Integrated Dual Degree in Computer Science and Artificial Intelligence.</p>
21  </div>
22
23  <div>
24    <h2>Where do I hail from? </h2>
25    <p>I have my roots at the heart of the former capital of the Indian Subcontinent, The city of JOY, Kolkata. Where Culture meets excellence and people speak UNESCO certified- sweetest language language in the world- Bengali.</p>
26  </div>
27
28  <div>
29    <h2>Hobbies</h2>
30    <p>I have developed a few areas of interest such as Reading Novels, Dussing Geopolitics with myfriends, and taking active participation in Elocution Competitions.</p>
31  </div>
32
33  <body>
34 </html>
```
- Preview Area:** Shows the rendered "About Me" page with sections for Who am I?, Where do I hail from?, and Hobbies.
- Bottom Buttons:** Includes icons for copy, download, and refresh, along with a JS Output dropdown.

Q2)

The screenshot shows a web browser window with an Online HTML Editor. The left side of the interface displays the HTML code for 'index.html'. The right side shows the rendered output of the code.

HTML Code (index.html):

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Image Page</title>
5   <style>
6     body {
7       font-family: Arial, sans-serif;
8       margin: 20px;
9     }
10
11    img {
12      max-width: 100%;
13      height: auto;
14      margin-top: 20px;
15    }
16  </style>
17 </head>
18 <body>
19   <header>
20     <h1>Title for the Image</h1>
21   </header>
22
23   <div>
24     
25     <p>This is a beautiful image that captures the vibrance of Nature. Whether it's the natural scenery, artistic composition, or a moment frozen in time, this image tells a story that resonates with a poet's perception of a beautiful surrounding.</p>
26   </div>
27
28 </body>
29 </html>
```

Rendered Output:

Title for the Image

Nature

This is a beautiful image that captures the vibrance of Nature. Whether it's the natural scenery, artistic composition, or a moment frozen in time, this image tells a story that resonates with a poet's perception of a beautiful surrounding.

Q3)

The screenshot shows a web-based HTML editor interface. On the left, there's a file tree with three files: index.html, style.css, and script.js. The index.html file contains the following code:

```
index.html
4 <title>Countries and Their Languages</title>
5 <style>
6   body {
7     font-family: Arial, sans-serif;
8     margin: 20px;
9     color: black;
10    }
11   ol {
12     list-style-type: upper-roman;
13   }
14   ol ol {
15     list-style-type: lower-roman;
16     margin-left: 20px;
17   }
18 </style>
19 </head>
20 <body>
21   <header>
22     <h1>Countries and Languages</h1>
23   </header>
24   <div>
25     <ol>
26       <li>Nepal
27         <ol>
28           <li>Hindi</li>
29           <li>Nepali</li>
30         </ol>
31       </li>
32       <li>India
33         <ol>
34           <li>Bengali</li>
35           <li>English</li>
36         </ol>
37       </li>
38       <li>Brazil
39         <ol>
40           <li>Spanish</li>
41           <li>French</li>
42         </ol>
43     </li>
44   </ol>
45 </div>
```

The right side of the interface shows the rendered HTML. The title "Countries and Languages" is displayed. Below it is a list of countries grouped by region:

- I. Nepal
 - i. Hindi
 - ii. Nepali
- II. India
 - i. Bengali
 - ii. English
- III. Brazil
 - i. Spanish
 - ii. French

Q4)

The screenshot shows a browser window with multiple tabs open. The active tab is an "Online HTML Editor" on programiz.com. The code editor contains three files: index.html, style.css, and script.js. The index.html file contains HTML and CSS code for a table displaying neighboring countries and their capitals. The style.css file contains the CSS for the table. The script.js file contains JavaScript logic for generating the capital list based on the selected country.

index.html

```
1 <head>
2   <style>
3     table {
4       width: 100%;
5       border-collapse: collapse;
6       margin-top: 20px;
7     }
8     th, td {
9       border: 1px solid ;
10      padding: 10px;
11      text-align: left;
12    }
13  </style>
14 </head>
15 <body>
16   <div>
17     <table>
18       <thead>
19         <tr>
20           <th>Countries</th>
21           <th>Capital</th>
22         </tr>
23       </thead>
24       <tbody>
25         <tr>
26           <td>
27             <ul>
28               <li>India</li>
29               <li>Pakistan</li>
30               <li>Bangladesh</li>
31               <li>Sri-Lanka</li>
32               <li>Afghanistan</li>
33             </ul>
34           </td>
35           <td>
36             <ol>
37               <li>New Delhi</li>
38               <li>Islamabad</li>
39               <li>Dhaka</li>
40               <li>Colombo</li>
41               <li>Kabul</li>
42             </ol>
43           </td>
44         </tr>
45       </tbody>
46     </table>
47   </div>
48 </body>
49 </html>
```

style.css

```
table {
  width: 100%;
  border-collapse: collapse;
  margin-top: 20px;
}

th, td {
  border: 1px solid ;
  padding: 10px;
  text-align: left;
}
```

script.js

```
document.addEventListener("DOMContentLoaded", function() {
  const countriesList = document.querySelector("#countries");
  const capitalsList = document.querySelector("#capitals");

  countriesList.addEventListener("change", function() {
    const selectedCountry = this.value;
    let capitalListHTML = "<ol>";

    if (selectedCountry === "India") {
      capitalListHTML += "<li>New Delhi</li><li>Islamabad</li>";
    } else if (selectedCountry === "Pakistan") {
      capitalListHTML += "<li>Islamabad</li><li>Dhaka</li>";
    } else if (selectedCountry === "Bangladesh") {
      capitalListHTML += "<li>Dhaka</li><li>Colombo</li>";
    } else if (selectedCountry === "Sri-Lanka") {
      capitalListHTML += "<li>Colombo</li><li>Kabul</li>";
    } else if (selectedCountry === "Afghanistan") {
      capitalListHTML += "<li>Kabul</li>";
    }

    capitalListHTML += "</ol>";

    capitalsList.innerHTML = capitalListHTML;
  });
});
```

Output

| Countries | Capital |
|---|--|
| India Pakistan Bangladesh Sri-Lanka Afghanistan | 1. New Delhi 2. Islamabad 3. Dhaka 4. Colombo 5. Kabul |

Q5)

The screenshot shows an online HTML editor interface on the Programiz website. The left sidebar lists files: index.html (selected), style.css, and script.js. The code editor contains the following HTML and CSS:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Country Politicians</title>
5   <style>
6     table {
7       border-collapse: collapse;
8       width: 50%;
9       margin: 0px;
10    }
11   th, td {
12     border: 1px solid black;
13     padding: 8px;
14     text-align: left;
15   }
16   th[colspan="2"] {
17     text-align: center;
18   }
19 </style>
20 </head>
21 <body>
22   <header>
23     <h1>Countries and Politician</h1>
24   </header>
25   <table>
26     <thead>
27       <tr>
28         <th>Country</th>
29         <th colspan="2">Politicians</th>
30       </tr>
31     </thead>
32     <tbody>
33       <tr>
34         <td rowspan="2">Turkmenistan</td>
35         <td>President</td>
36         <td>Gurbanguly Berdimuhamedow</td>
37       </tr>
38       <tr>
39         <td>Vice-President</td>
40         <td>Rasit Meredow</td>
41       </tr>
42     </tbody>
43   </table>
44 </body>
45 </html>
```

The right panel displays the generated HTML output:

Countries and Politician

| Country | Politicians | |
|--------------|----------------|---------------------------|
| Turkmenistan | President | Gurbanguly Berdimuhamedow |
| | Vice-President | Rasit Meredow |
| Eritrea | President | Isaias Afwerki |
| | Vice-President | None |

Sign in to access... Online HTML Ed... 22CS2021_LAB... 22CS2021_LAB... Inbox (863) - 22... Lab 2 22CS2021_LAB... Untitled document

programiz.com/html/online-compiler/

Programiz
Online HTML Editor

Interactive Coding Courses

Files + index.html style.css script.js

```

index.html
12     th, td {
13         border: 1px solid black;
14         padding: 8px;
15         text-align: left;
16     }
17
18     th[colspan="2"] {
19         text-align: center;
20     }
21     </style>
22     </head>
23     <body>
24         <header>
25             <h1>Countries and Politician</h1>
26         </header>
27         <table>
28             <tr>
29                 <th>Country</th>
30                 <th colspan="2">Politicians</th>
31             </tr>
32             <tr>
33                 <td rowspan="2">Turkmenistan</td>
34                 <td>President</td>
35                 <td>Gurbanguly Berdimuhamedow</td>
36             </tr>
37             <tr>
38                 <td>Vice-President</td>
39                 <td>Rasit Meredow</td>
40             </tr>
41             <tr>
42                 <td rowspan="2">Eritrea</td>
43                 <td>President</td>
44                 <td>Isaias Afwerki</td>
45             </tr>
46             <tr>
47                 <td>Vice-President</td>
48                 <td>None</td>
49             </tr>
50         </table>
51     </body>
52 </html>
```

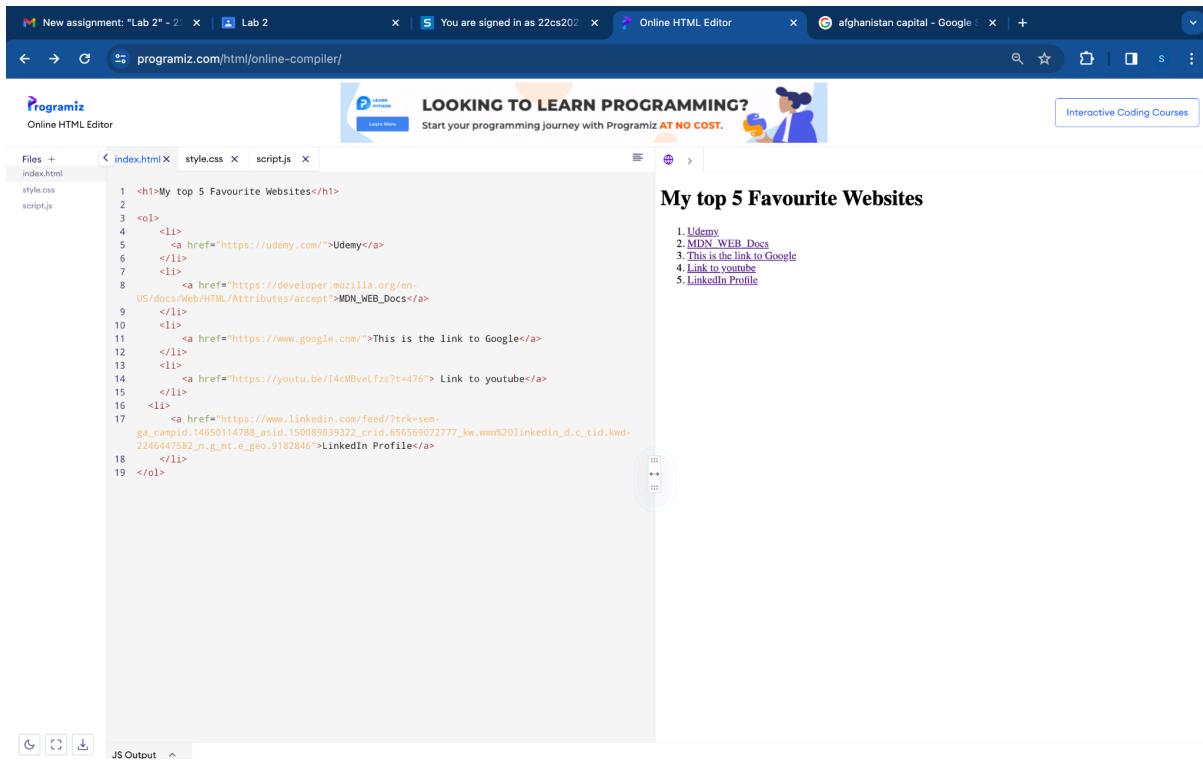
JS Output

Country Politicians

Countries and Politician

| Country | Politicians | |
|--------------|----------------|---------------------------|
| Turkmenistan | President | Gurbanguly Berdimuhamedow |
| | Vice-President | Rasit Meredow |
| Eritrea | President | Isaias Afwerki |
| | Vice-President | None |

Q6)



The screenshot shows a web-based HTML editor interface. The main area displays the content of 'index.html' which lists five favorite websites:

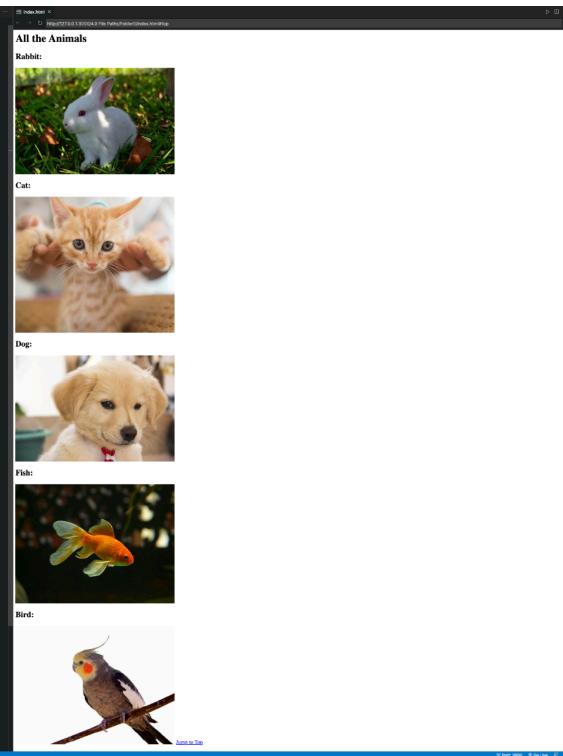
```
<h1>My top 5 Favourite Websites</h1>
<ol>
    <li>        <a href="https://udemy.com/">Udemy</a>
    <li>        <a href="https://developer.mozilla.org/en-US/docs/Web/HTML/Attributes/accept">MDN WEB Docs</a>
    <li>        <a href="https://www.google.com/">This is the link to Google</a>
    <li>        <a href="https://youtu.be/I4cMBvLfcz?t=476"> Link to youtube</a>
    <li>        <a href="https://www.linkedin.com/feed/?trk=sem-ga_campid:14650114788_asid:150009839322_crld:6565690727777_kw:www%20linkedin_d_c_tid_kw:2246447582_n_g_mt_e_geo:9182846">LinkedIn Profile</a>
</ol>
```

On the right side of the editor, there is a sidebar with the heading 'My top 5 Favourite Websites' followed by a numbered list:

1. Udemy
2. MDN WEB Docs
3. This is the link to Google
4. Link to youtube
5. LinkedIn Profile

At the bottom left of the editor, there are icons for file operations (Save, Open, Download) and a 'JS Output' dropdown menu.

Q7)



Q8)

The screenshot shows a web browser window with two tabs. The left tab is titled 'index.html' and contains the following code:

```
<html>
<head>
<title>All the Animals</title>
</head>
<body>
<h1>All the Animals</h1>
<a href="#">Jump to Bottom</a>
<h2>Rabbit:</h2>

<div>
<h3>Cat:</h3>

</div>
<a href="#">Jump to Top</a>
<h2>Dog:</h2>

<h2>Fish:</h2>

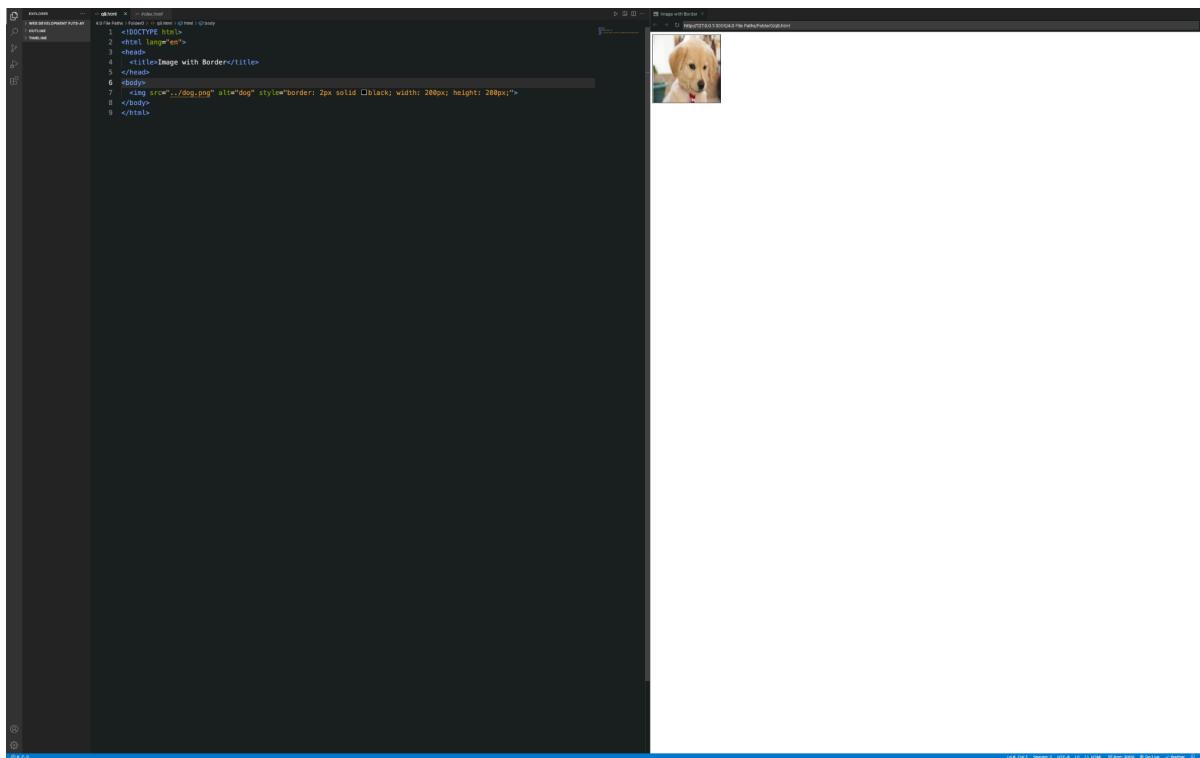
<h2>Bird:</h2>

<a href="#">Jump to Bottom</a>
</body>

```

The right tab is also titled 'index.html' and displays the content from the code. It features five sections: 'Rabbit' with a white rabbit image, 'Cat' with an orange tabby cat image, 'Dog' with a yellow puppy image, 'Fish' with a goldfish image, and 'Bird' with a cockatiel bird image. Each section has a title and a corresponding image.

Q9)



A screenshot of a code editor showing an HTML file named "index.html". The code is as follows:

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>Image with Border</title>
</head>
<body>

</body>
</html>
```

The browser tab shows the rendered output: a golden retriever puppy with a 2px black border around the image itself, resulting in a larger overall size. The image has a white background.

q10)

The screenshot shows a Java development environment with an open file named `index.html`. The code contains several `` tags pointing to local files like `cat.png`, `dog.png`, `fish.png`, and `bird.png`. The browser window to the right displays a page titled "All the Animals" with four sections: Rabbit, Cat, Dog, and Bird, each accompanied by an image and a caption.

```
<html>
<head>
<title>All the Animals</title>
</head>
<body>
    <div>
        <img alt="A Cat" data-bbox="150 100 250 200"/>
        <p>This is a Cat glaring at you..</p>
    </div>
    <div>
        <img alt="A Dog" data-bbox="350 100 450 200"/>
        <p>This is a Dog innocently snarking.</p>
    </div>
    <div>
        <img alt="A Fish" data-bbox="550 100 650 200"/>
        <p>This is a fish having a time of it's own.</p>
    </div>
    <div>
        <img alt="A Bird" data-bbox="750 100 850 200"/>
        <p>This is a bird which is about to fly and claim the sky it's own.</p>
    </div>
</body>
</html>
```

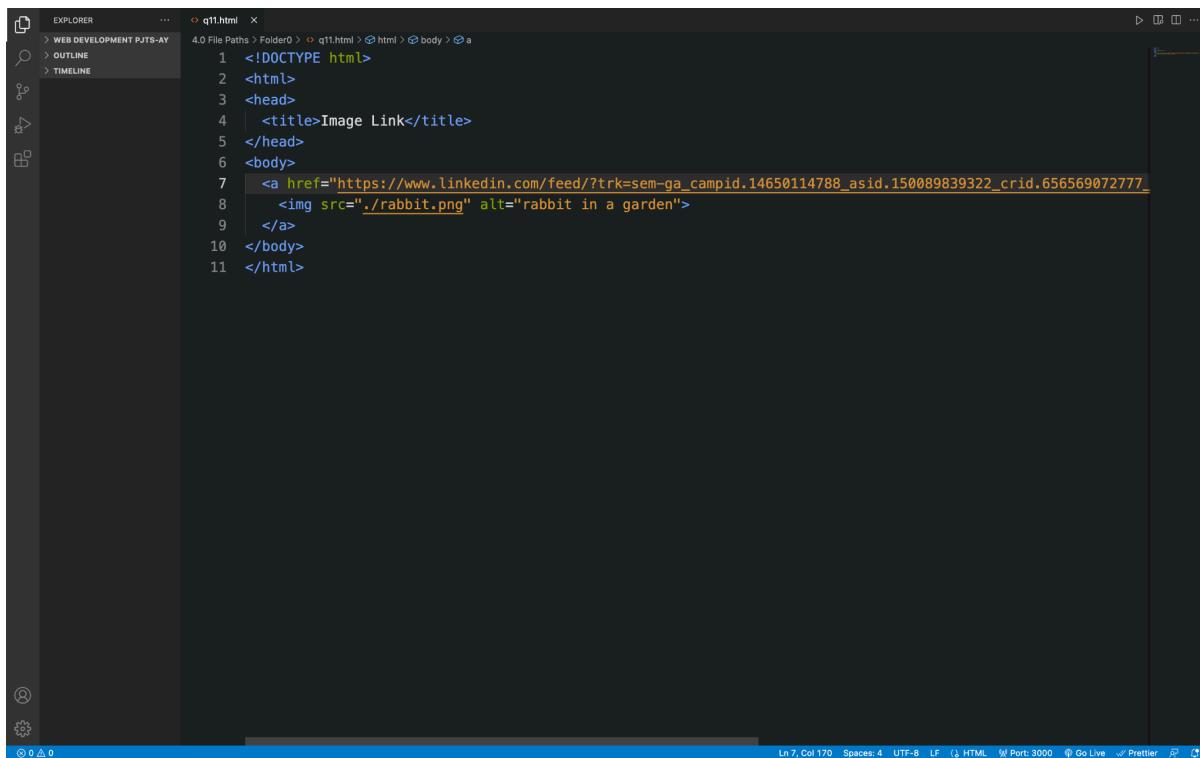
Rabbit: 
This is a Rabbit in a park.

Cat: 
This is a Cat glaring at you.

Dog: 
This is a Dog innocently snarking.

Bird: 
This is a bird having a time of it's own.

Q11)

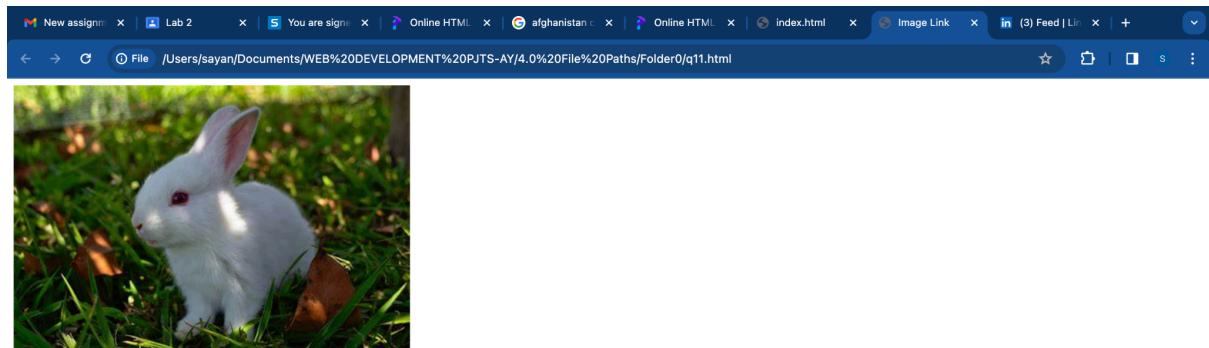


```
EXPLORER ... q11.html ...
WEB DEVELOPMENT PPTS-AY 4.0 File Paths > Folder > q11.html > html > body > a
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Image Link</title>
5 </head>
6 <body>
7   <a href="https://www.linkedin.com/feed/?trk=sem-ga_campid.14650114788_asid.150089839322_crid.656569072777_<img src='./rabbit.png' alt='rabit in a garden'>">
8   </a>
9 </body>
10 </html>
11
```

The screenshot shows a code editor interface with a dark theme. On the left is the Explorer sidebar with sections for WEB DEVELOPMENT PPTS-AY, OUTLINE, and TIMELINE. The main area displays an HTML file named q11.html. The code is as follows:

```
<!DOCTYPE html>
<html>
<head>
<title>Image Link</title>
</head>
<body>
<a href="https://www.linkedin.com/feed/?trk=sem-ga_campid.14650114788_asid.150089839322_crid.656569072777_<img src='./rabbit.png' alt='rabit in a garden'>">
</a>
</body>
</html>
```

The status bar at the bottom indicates the code is at Line 7, Column 170, with 4 spaces, using UTF-8 encoding, and is set to HTML mode. It also shows port 3000, Go Live, and Prettier options.



As you click on the image, the link to my linked in id opens.