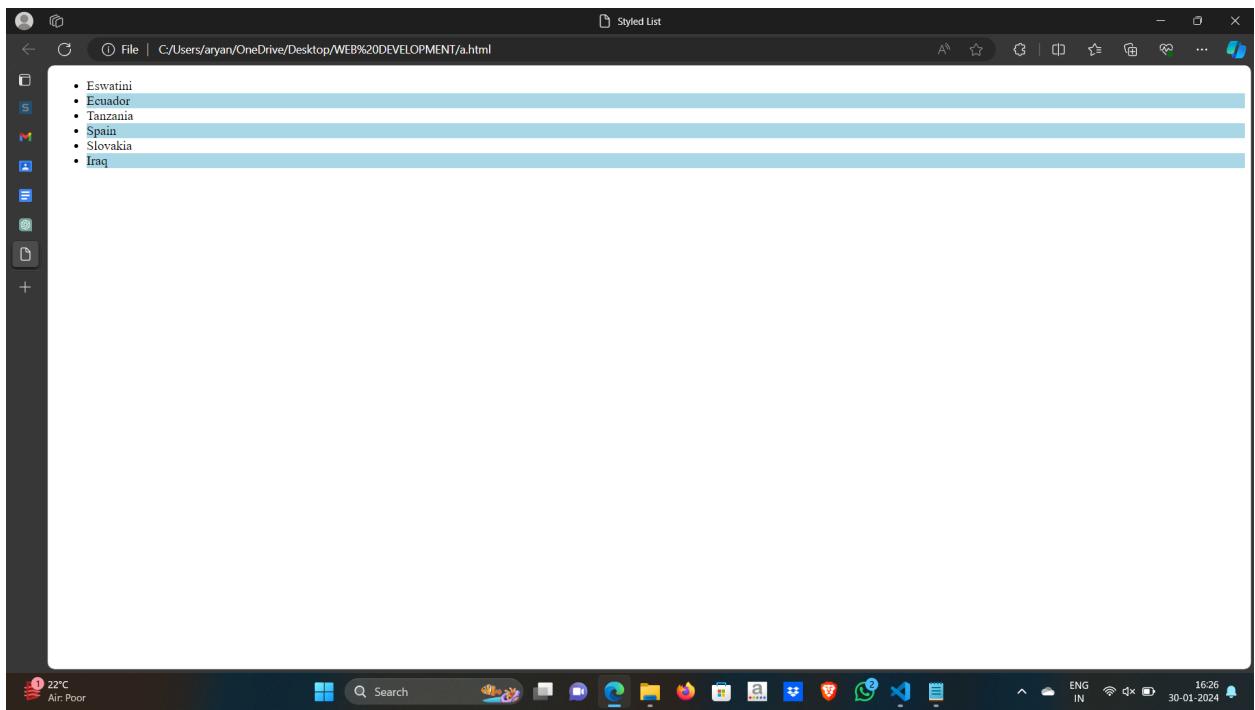


NAME :ARYAN KHAIWAL
ROLL NO.:22CS2029

T1. Add a CSS rule and appropriate html to style every other line of the unordered list with a light blue background color. Specify the background color using the rgb method.

- Eswatini
- Ecuador
- Tanzania
- Spain
- Slovakia

- Iraq



A screenshot of a code editor window showing the HTML code for a table. The file path is "C:\Users\aryan\OneDrive\Desktop\WEB DEVELOPMENT\a.html". The code defines a table with three columns: Country, Capital, and Language. It contains several rows of data, including Albania, Tirana, Albanian; Papua New Guinea, Port Moresby, English; Latvia, Riga, Latvian; and France, Paris, French. The code editor has a dark theme and includes a sidebar with various icons for file operations and a status bar at the bottom showing line and column numbers, encoding, and other system information.

```
<!-- HTML table with header row -->
<table>
  <thead>
    <tr>
      <th>Country</th>
      <th>Capital</th>
      <th>Language</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>Albania</td>
      <td>Tirana</td>
      <td>Albanian</td>
    </tr>
    <tr>
      <td>Papua New Guinea</td>
      <td>Port Moresby</td>
      <td>English</td>
    </tr>
    <tr>
      <td>Latvia</td>
      <td>Riga</td>
      <td>Latvian</td>
    </tr>
    <tr>
      <td>France</td>
      <td>Paris</td>
      <td>French</td>
    </tr>
  </tbody>
</table>
```

T2. Given the table in the question style the table so that the odd rows have a light gray background. In addition add a header row to the table and style that row so it has white

text and a black background color. Change the font so that they are all 14 point sans serif of some kind.

Albania Tirana Albanian

Papua New Guinea Port Moresby English

Latvia Riga Latvian

France Paris French

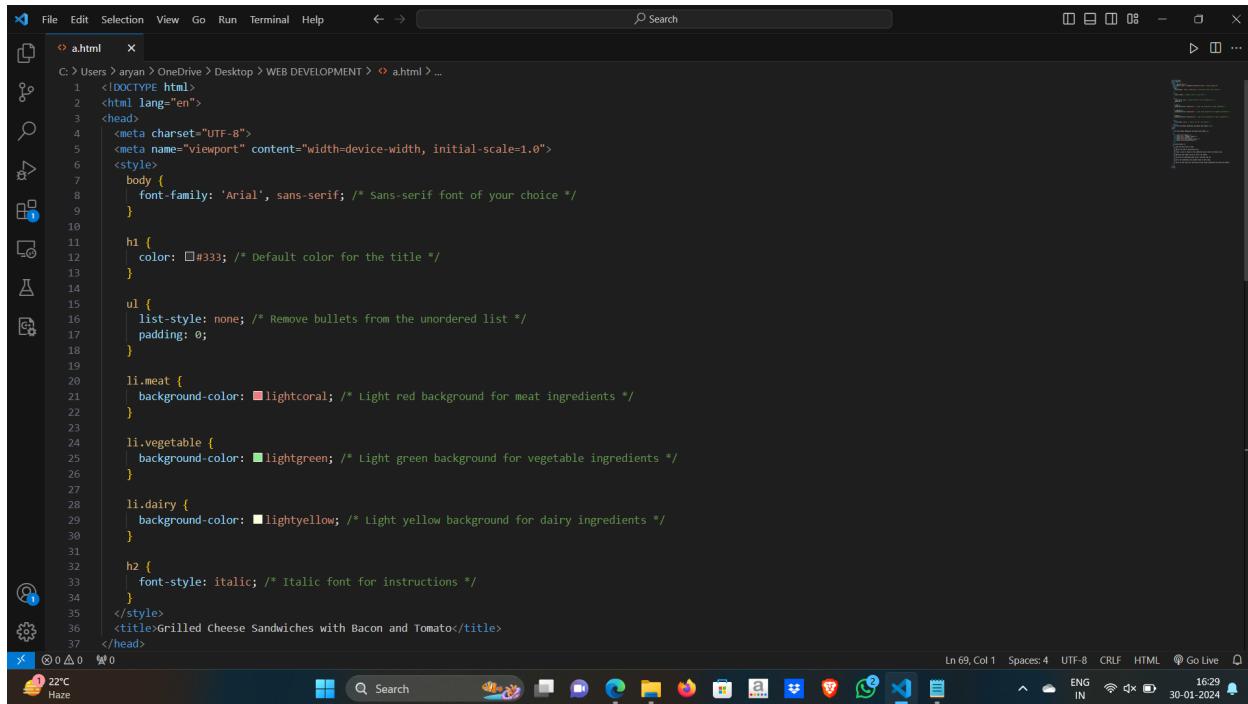
The image shows a Windows desktop environment with two open windows. The top window is a code editor displaying an HTML file named 'a.html'. The code includes CSS styling for an unordered list where even-numbered items have a light blue background color. The bottom window is a web browser displaying a table titled 'Styled Table' with four rows of data.

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<style>
/* CSS rule to style every other line of the unordered list */
ul li:nth-child(even) {
    background-color: #rgb(173, 216, 230); /* Light Blue using RGB */
}
</style>
<title>Styled List</title>
</head>
<body>
<ul>
<li>Eswatini</li>
<li>Ecuador</li>
<li>Tanzania</li>
<li>Spain</li>
<li>Slovakia</li>
<li>Iraq</li>
</ul>
</body>
</html>
```

Country	Capital	Language
Albania	Tirana	Albanian
Papua New Guinea	Port Moresby	English
Latvia	Riga	Latvian
France	Paris	French

T3. Suppose you are working on a recipe website. Recipes have a title, a list of ingredients,

and an instructions section. Make a webpage that shows the recipe for grilled cheese sandwiches with bacon and tomato. The ingredients should be displayed as an unordered list, with no bullets. Meat ingredients should have a light red background color, vegetables should have a light green background, and dairy products should have a light yellow. The title should be in a sans serif font of your choice, and the instructions should have a heading “Instructions” and the font for the instructions should be italic.

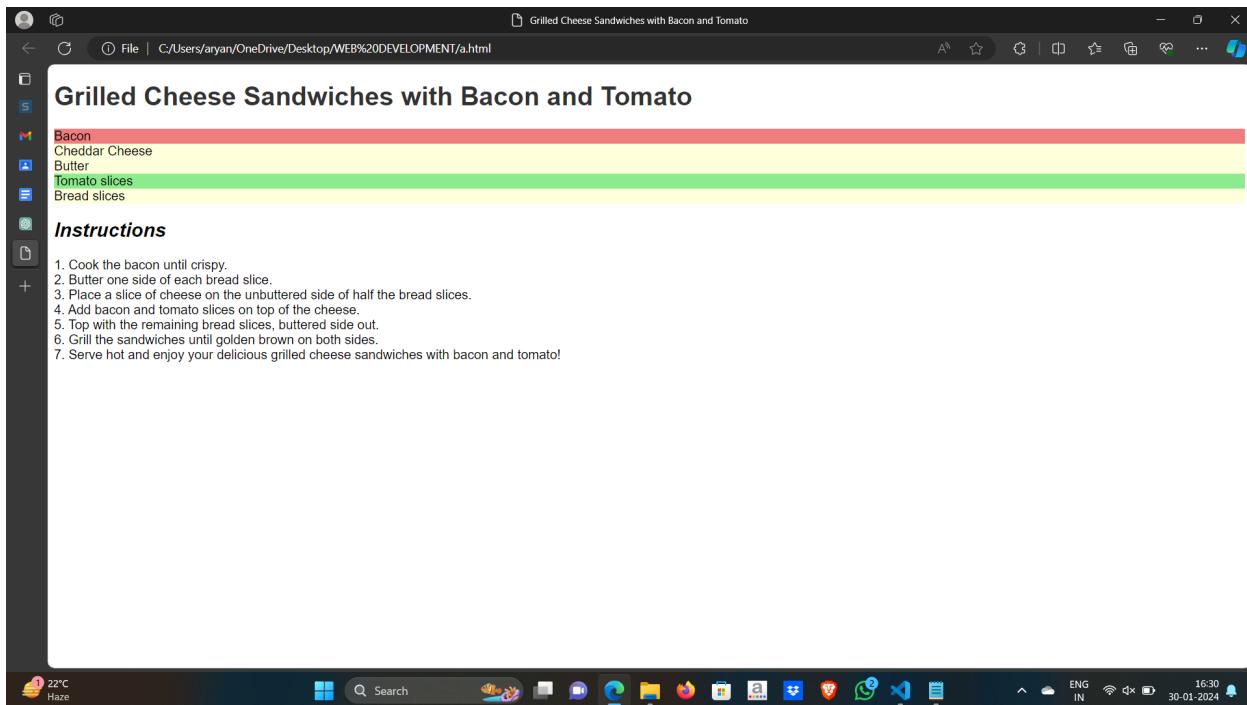


The screenshot shows a code editor window with the file 'a.html' open. The code defines a simple HTML structure with a title and a list of ingredients. The CSS styles define the appearance of the title and the list items based on their category: meat, vegetable, or dairy.

```
C:\> Users > aryan > OneDrive > Desktop > WEB DEVELOPMENT > a.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    <style>
7      body {
8        font-family: 'Arial', sans-serif; /* sans-serif font of your choice */
9      }
10
11     h1 {
12       color: #333; /* Default color for the title */
13     }
14
15     ul {
16       list-style: none; /* Remove bullets from the unordered list */
17       padding: 0;
18     }
19
20     li.meat {
21       background-color: lightcoral; /* Light red background for meat ingredients */
22     }
23
24     li.vegetable {
25       background-color: lightgreen; /* Light green background for vegetable ingredients */
26     }
27
28     li.dairy {
29       background-color: lightyellow; /* Light yellow background for dairy ingredients */
30     }
31
32     h2 {
33       font-style: italic; /* Italic font for instructions */
34     }
35   </style>
36   <title>Grilled Cheese Sandwiches with Bacon and Tomato</title>
37 </head>
```

The screenshot shows a code editor window with the file 'a.html' open. The code is an HTML document with a title, a list of ingredients, and instructions for making grilled cheese sandwiches.

```
C:\> Users > aryan > OneDrive > Desktop > WEB DEVELOPMENT > a.html > ...
34    }
35  </style>
36  <title>Grilled Cheese Sandwiches with Bacon and Tomato</title>
37  </head>
38  <body>
39
40  <h1>Grilled Cheese Sandwiches with Bacon and Tomato</h1>
41
42  <ul>
43    <li class="meat">Bacon</li>
44    <li class="dairy">Cheddar Cheese</li>
45    <li class="dairy">Butter</li>
46    <li class="vegetable">Tomato slices</li>
47    <li class="dairy">Bread slices</li>
48  </ul>
49
50  <h2>Instructions:</h2>
51  <p>
52    1. Cook the bacon until crispy.
53    <br>
54    2. Butter one side of each bread slice.
55    <br>
56    3. Place a slice of cheese on the unbuttered side of half the bread slices.
57    <br>
58    4. Add bacon and tomato slices on top of the cheese.
59    <br>
60    5. Top with the remaining bread slices, buttered side out.
61    <br>
62    6. Grill the sandwiches until golden brown on both sides.
63    <br>
64    7. Serve hot and enjoy your delicious grilled cheese sandwiches with bacon and tomato!
65  </p>
66
67  </body>
68  </html>
69 |
```



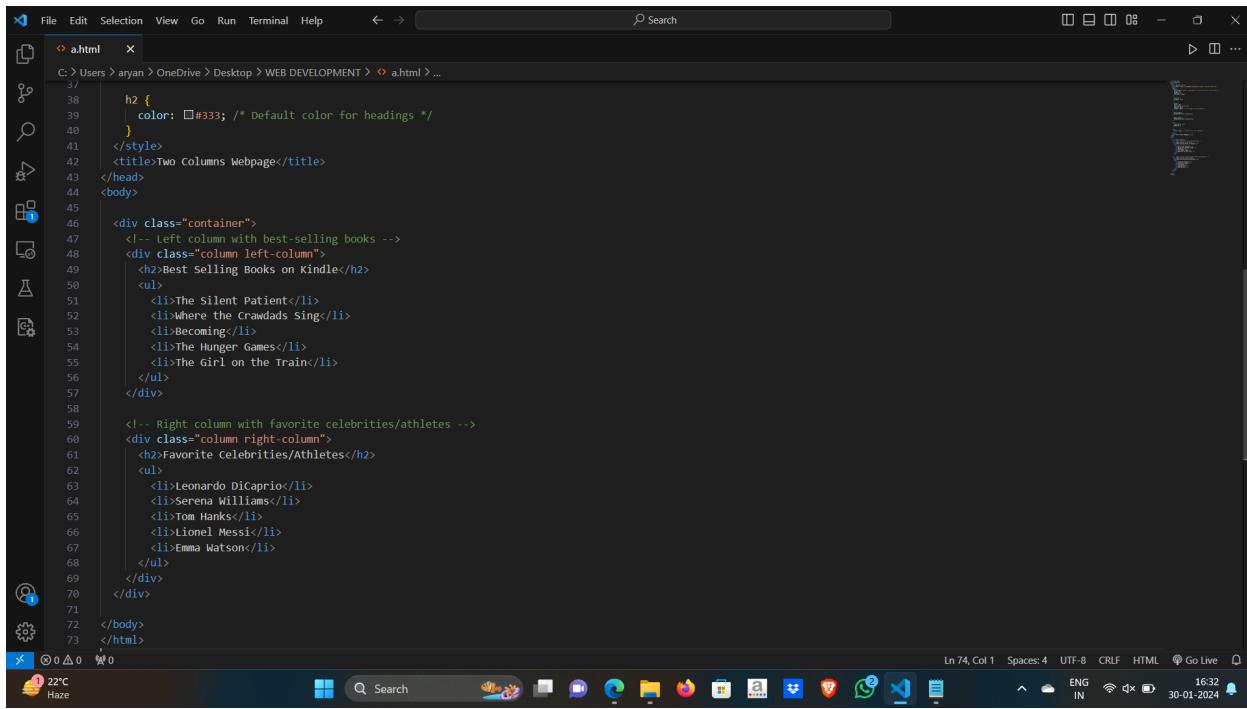
T4. Using CSS and HTML Make a webpage that has two columns. Each column should use half of the width of the page. The left half should have a light gray background and

the right half should have a light green background. The left half should have a list of the 5 best selling books in Amazon's kindle store, and the right should have a list of your five favorite celebrities or athletes.

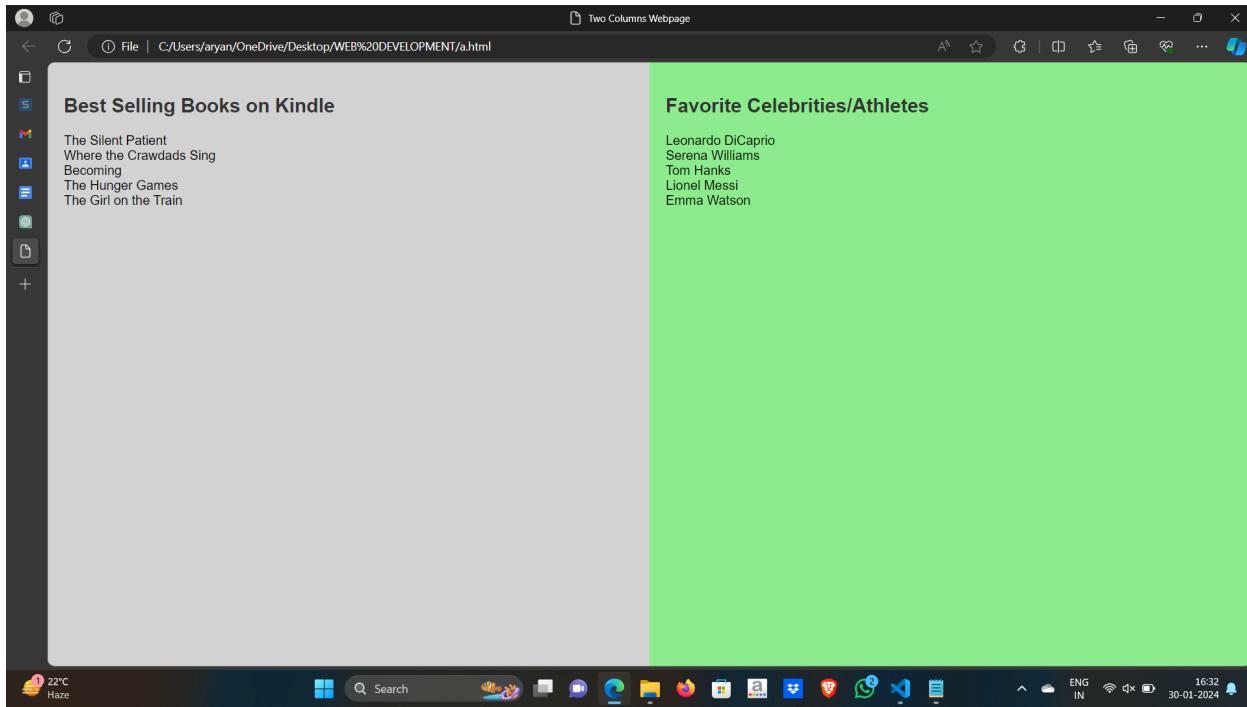
The screenshot shows a code editor window with the file 'a.html' open. The code is as follows:

```
C:\Users\aryan>OneDrive>Desktop>WEB DEVELOPMENT>a.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    <style>
7      body {
8        font-family: 'Arial', sans-serif; /* Sans-serif font of your choice */
9        margin: 0;
10       padding: 0;
11       overflow: hidden;
12     }
13
14     .container {
15       display: flex;
16     }
17
18     .column {
19       width: 50%;
20       box-sizing: border-box;
21       padding: 20px;
22       height: 100vh; /* Full height of the viewport */
23     }
24
25     .left-column {
26       background-color: #lightgray;
27     }
28
29     .right-column {
30       background-color: #lightgreen;
31     }
32
33     ul {
34       list-style: none;
35       padding: 0;
36     }
37
```

The code defines a basic layout with two columns: a left column (background: #lightgray) and a right column (background: #lightgreen). The left column contains a list (ul) with no list-style. The right column is currently empty. The code editor interface includes a sidebar with icons for file operations, a search bar, and various status indicators at the bottom.

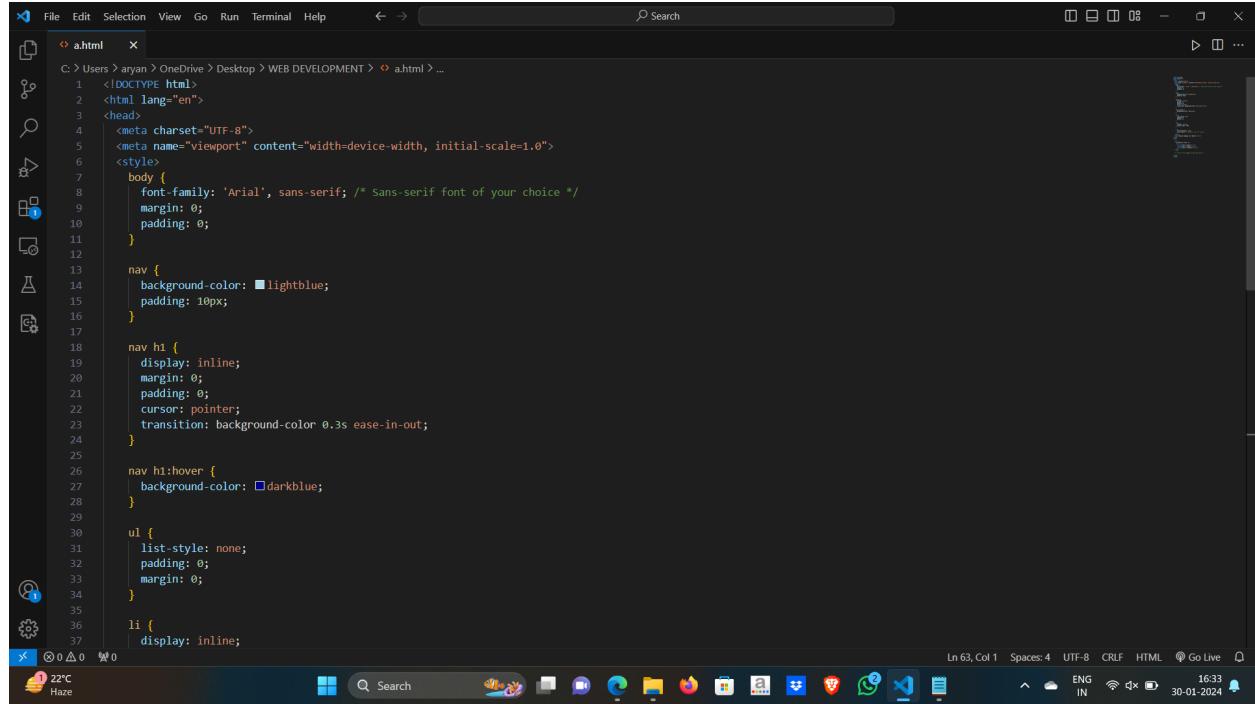


```
C:\> Users > aryan > OneDrive > Desktop > WEB DEVELOPMENT > a.html > ...
37/      h2 { ...
38/        |   color: #333; /* Default color for headings */
39/      }
40/    </style>
41/  </head>
42/  <body>
43/    <div class="container">
44/      <!-- Left column with best-selling books -->
45/      <div class="column left-column">
46/        <h2>Best Selling Books on Kindle</h2>
47/        <ul>
48/          <li>The Silent Patient</li>
49/          <li>Where the Crawdads Sing</li>
50/          <li>Becoming</li>
51/          <li>The Hunger Games</li>
52/          <li>The Girl on the Train</li>
53/        </ul>
54/      </div>
55/      <!-- Right column with favorite celebrities/athletes -->
56/      <div class="column right-column">
57/        <h2>Favorite Celebrities/Athletes</h2>
58/        <ul>
59/          <li>Leonardo DiCaprio</li>
60/          <li>Serena Williams</li>
61/          <li>Tom Hanks</li>
62/          <li>Lionel Messi</li>
63/          <li>Emma Watson</li>
64/        </ul>
65/      </div>
66/    </div>
67/  </body>
68/ </html>
```



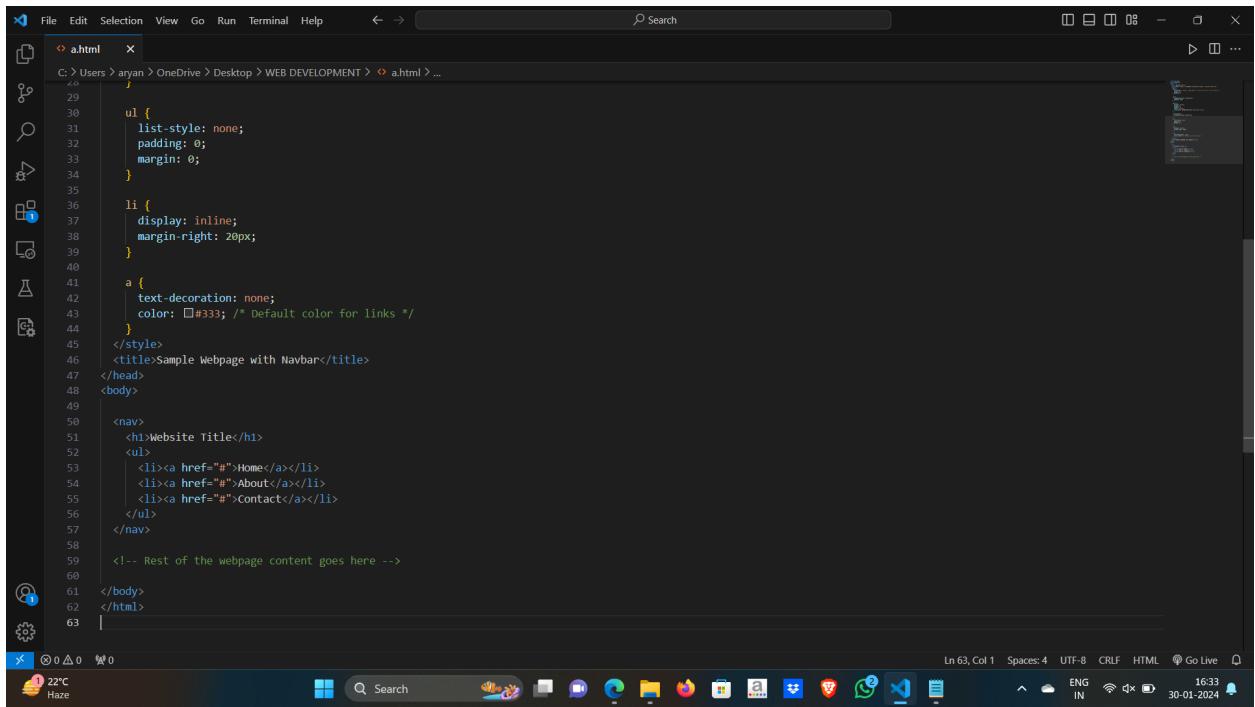
T5. Using the `nav` element, make a navbar for at the top of a sample webpage. Add at least three links to the navbar using an unordered list that is displayed as inline rather than

block. Make the navbar have a light blue background color, but change the background of the title to a darker blue when the mouse hovers over it.



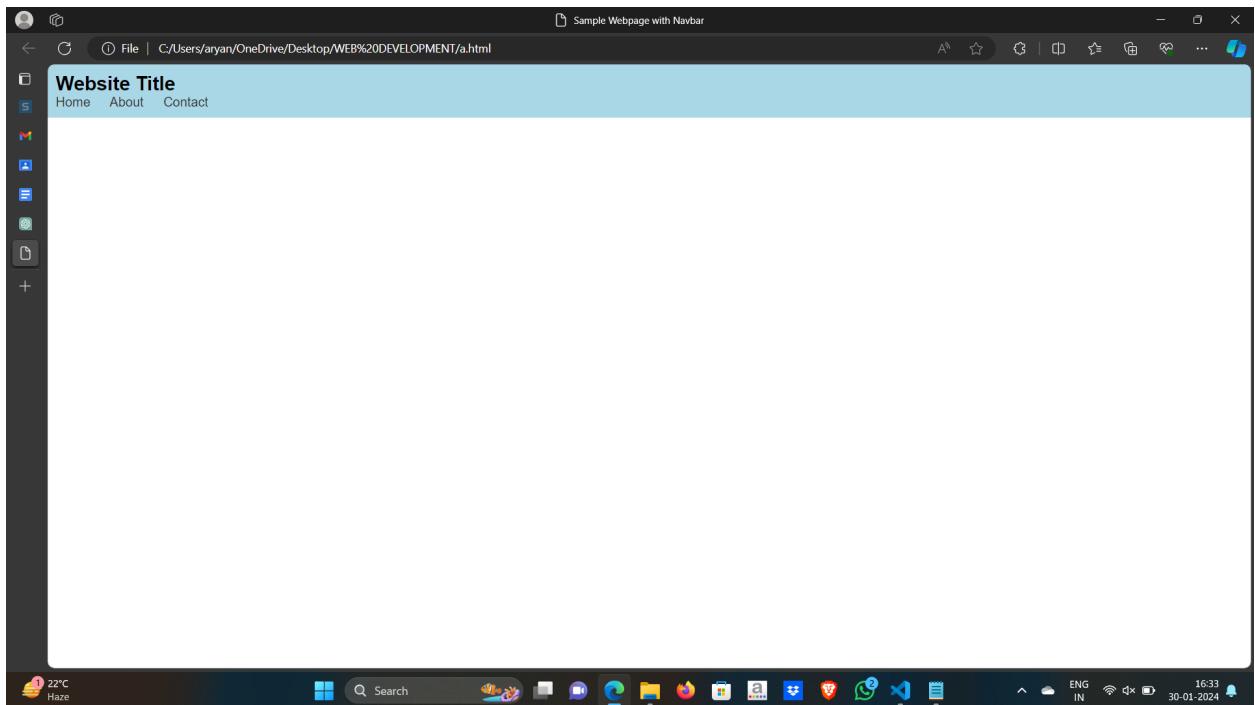
The screenshot shows a code editor window with the file 'a.html' open. The code defines a simple navigation bar with a light blue background and a dark blue hover state for the title element. The editor interface includes a sidebar with icons for file operations, a status bar at the bottom, and a system tray at the very bottom.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <style>
        body {
            font-family: 'Arial', sans-serif; /* sans-serif font of your choice */
            margin: 0;
            padding: 0;
        }
        nav {
            background-color: #lightblue;
            padding: 10px;
        }
        nav h1 {
            display: inline;
            margin: 0;
            padding: 0;
            cursor: pointer;
            transition: background-color 0.3s ease-in-out;
        }
        nav h1:hover {
            background-color: #darkblue;
        }
        ul {
            list-style: none;
            padding: 0;
            margin: 0;
        }
        li {
            display: inline;
        }
    </style>
</head>
<body>
    <nav>
        <h1>Aryan's Portfolio</h1>
        <ul>
            <li>Home</li>
            <li>About</li>
            <li>Services</li>
            <li>Portfolio</li>
            <li>Contact</li>
        </ul>
    </nav>
</body>
</html>
```



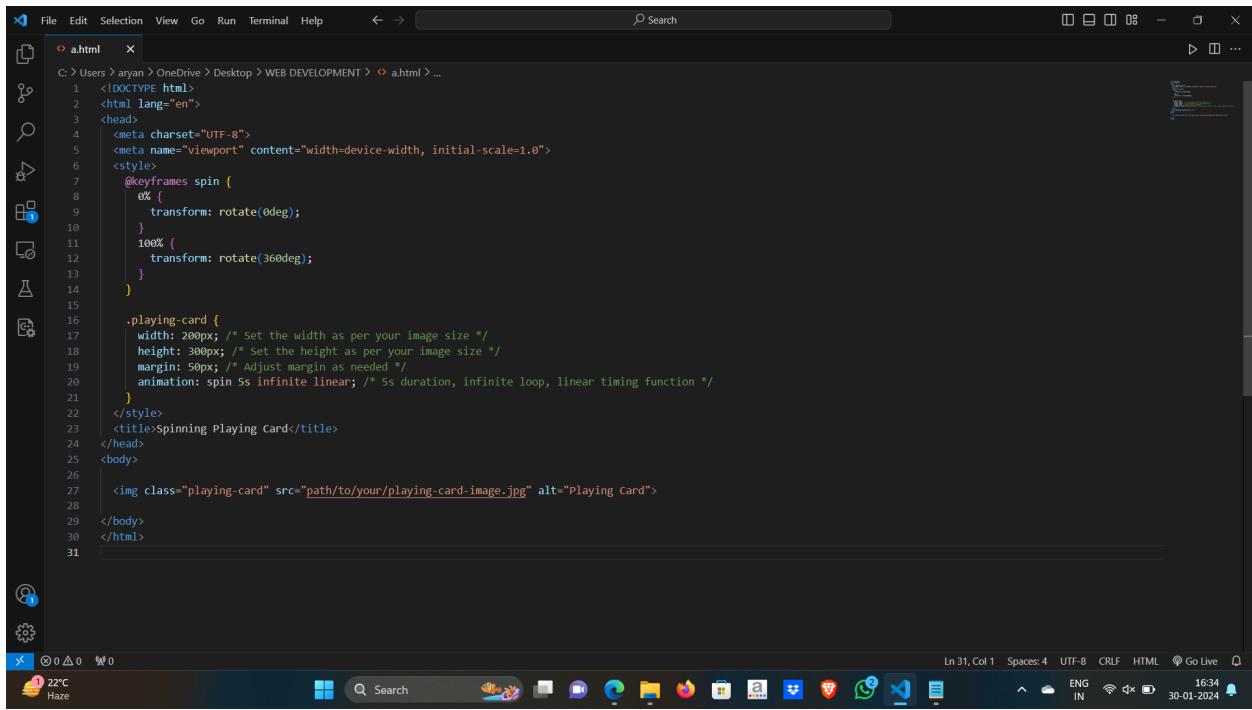
```
C:\> Users > aryan > OneDrive > Desktop > WEB DEVELOPMENT > a.html > ...
29
30     ul {
31         list-style: none;
32         padding: 0;
33         margin: 0;
34     }
35
36     li {
37         display: inline;
38         margin-right: 20px;
39     }
40
41     a {
42         text-decoration: none;
43         color: #333; /* Default color for links */
44     }
45
46 </style>
47 <title>Sample Webpage with Navbar</title>
48 </head>
49 <body>
50
51     <nav>
52         <h1>Website Title</h1>
53         <ul>
54             <li><a href="#">Home</a></li>
55             <li><a href="#">About</a></li>
56             <li><a href="#">Contact</a></li>
57         </ul>
58     </nav>
59
60     <!-- Rest of the webpage content goes here -->
61
62 </body>
63 </html>
```

The code editor shows an HTML file named 'a.html'. The file contains a basic structure with a title, a navigation bar, and a comment indicating where the main content will be placed. The navigation bar is styled with a dark theme, featuring an 'H1' element and a horizontal list of three links ('Home', 'About', 'Contact') with a 20px margin between them. The links are styled with no underline and a dark gray color.



T6. Using the image of the playing card, use transformations and animations to make the

playing card spin around endlessly.



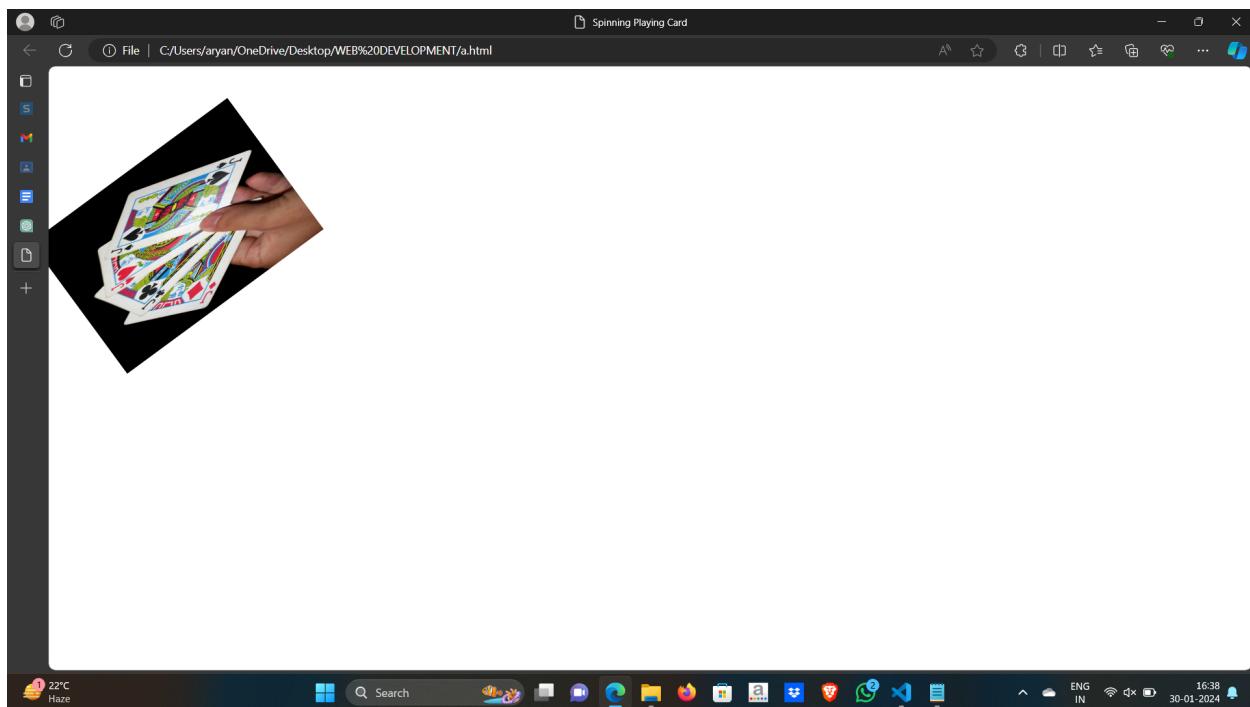
```
C:\> Users > aryan > OneDrive > Desktop > WEB DEVELOPMENT > a.html > ...
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <style>
7      @keyframes spin {
8        0% {
9          transform: rotate(0deg);
10       }
11      100% {
12        transform: rotate(360deg);
13      }
14    }
15
16    .playing-card {
17      width: 200px; /* set the width as per your image size */
18      height: 300px; /* set the height as per your image size */
19      margin: 50px; /* adjust margin as needed */
20      animation: spin 5s infinite linear; /* 5s duration, infinite loop, linear timing function */
21    }
22  </style>
23  <title>Spinning Playing Card</title>
24 </head>
25 <body>
26
27  
28
29 </body>
30 </html>
31
```

The screenshot shows a code editor window with the file 'a.html' open. The code defines a CSS keyframe animation named 'spin' that rotates an element from 0 degrees to 360 degrees over a 5-second duration with a linear timing function. It applies this animation to an image element with the class 'playing-card'. The image is set to 200px wide and 300px high, with a 50px margin. The file also includes a title 'Spinning Playing Card'.

```
C:\> Users > aryan > OneDrive > Desktop > WEB DEVELOPMENT > a.html > html > body > img.playing-card
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    <style>
7      @keyframes spin {
8        0% {
9          transform: rotate(0deg);
10       }
11       100% {
12         transform: rotate(360deg);
13       }
14     }
15
16     .playing-card {
17       width: 200px; /* Set the width as per your image size */
18       height: 300px; /* Set the height as per your image size */
19       margin: 50px; /* Adjust margin as needed */
20       animation: spin 5s infinite linear; /* 5s duration, infinite loop, linear timing function */
21     }
22   </style>
23   <title>Spinning Playing Card</title>
24 </head>
25 <body>
26
27   
28
29 </body>
30 </html>
31
```

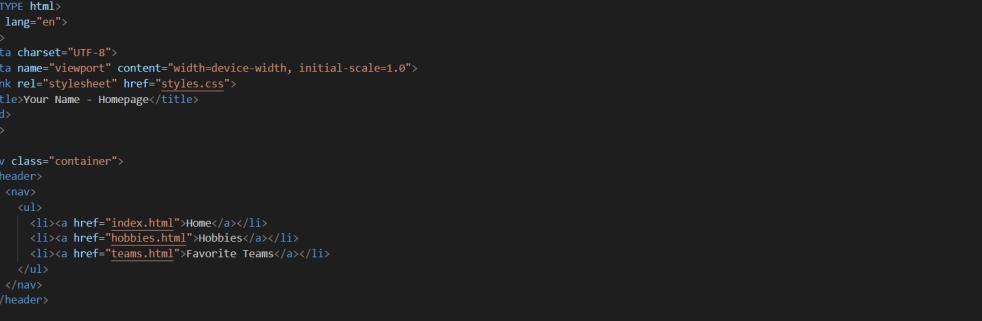
Ln 27, Col 74 Spaces: 4 UTF-8 CRLF HTML Go Live

22°C Haze



T7. Develop a homepage for yourself, published on github pages, that employs a two column layout with a fixed navbar (always on screen), and a footer. The navbar should

link to at least two additional pages used to describe your hobbies or favorite teams. The CSS for this website should be contained in its own CSS file, and all three pages should use this CSS file.



The screenshot shows a Microsoft Edge browser window with the following details:

- Address Bar:** C:\Users\aryan\OneDrive\Desktop>WEB DEVELOPMENT > a.html
- Search Bar:** Search
- Developer Tools:** The F12 developer tools are open, showing the Element tab with the path: a.html > html > body > div.container > footer.
- Code Editor:** The main pane displays the HTML code for 'a.html'. The code includes a header with navigation links, a main section with two columns, and a footer with a copyright notice. A link to 'as.css' is present in the header.
- Bottom Status Bar:** Shows file size (220C), date (30-01-2024), and system status (ENG IN).

```
<!DOCTYPE HTML>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="styles.css">
    <title>Your Name - Homepage</title>
</head>
<body>
    <div class="container">
        <header>
            <nav>
                <ul>
                    <li><a href="index.html">Home</a></li>
                    <li><a href="hobbies.html">Hobbies</a></li>
                    <li><a href="teams.html">Favorite Teams</a></li>
                </ul>
            </nav>
        </header>

        <main>
            <section class="left-column">
                <!-- Content for the left column -->
                <h1>Your Name</h1>
                <p>Welcome to my homepage!</p>
            </section>

            <section class="right-column">
                <!-- Content for the right column -->
                <p>This is the main content of the homepage.</p>
            </section>
        </main>

        <footer>
            <p>© 2024 Your Name. All rights reserved.</p>
        </footer>
    </div>
</body>
```

The image shows a code editor interface with a dark theme. On the left is a sidebar with icons for file operations like copy, paste, search, and refresh. The main area displays the content of 'a.html'. The code is as follows:

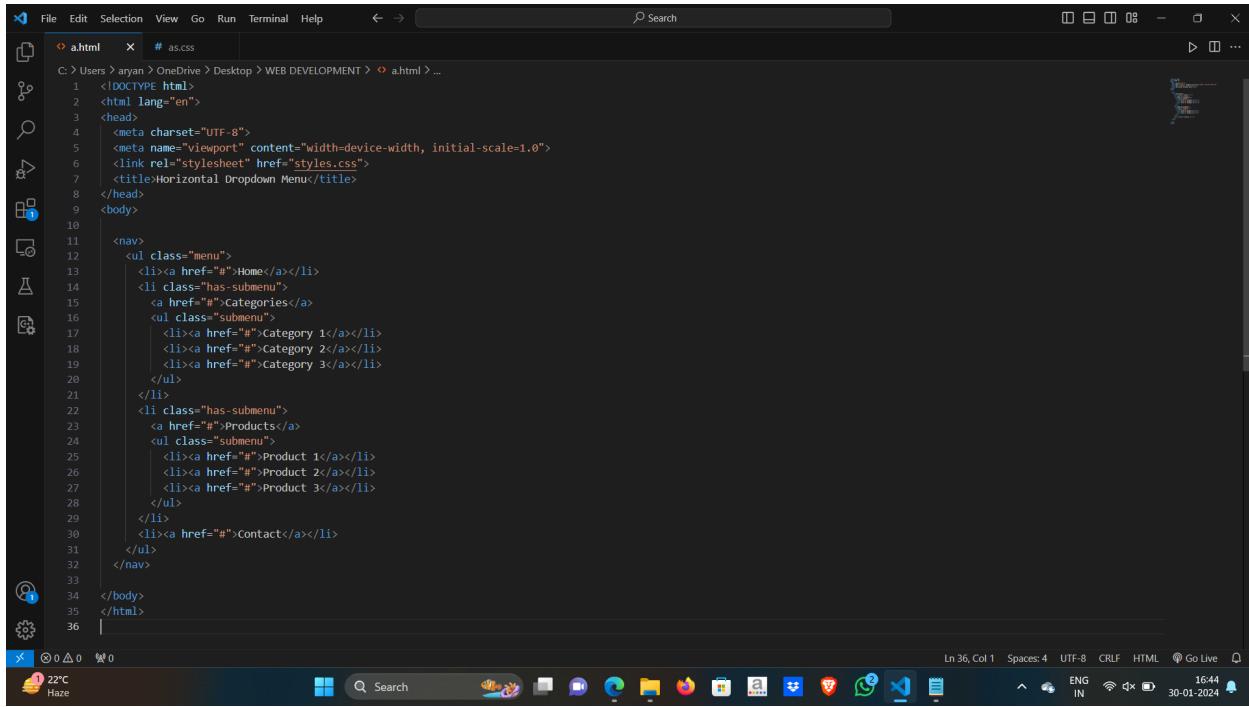
```
C:\> Users > aryan > OneDrive > Desktop > WEB DEVELOPMENT > a.html > html > body > div.container > footer
  24  </section>
  25  </main>
  26
  27  <footer>
  28  |   <p>&copy; 2024 Your Name. All rights reserved.</p>
  29
  30  </footer>
  31
  32  </div>
  33
  34
  35
  36
  37
  38
  39
  40  </body>
  41
  42  </html>
```

The status bar at the bottom of the code editor shows: Ln 37, Col 14, Spaces: 4, UTF-8, CRLF, HTML, Go Live, and system status.

Below the code editor is a taskbar with various icons for applications like File Explorer, Microsoft Edge, and other productivity tools. The system tray shows the date and time as 30-01-2024, 16:41.

The second part of the image shows a web browser window titled 'Your Name - Homepage'. The address bar indicates the page is at 'C:/Users/aryan/OneDrive/Desktop/WEB%20DEVELOPMENT/a.html'. The page content includes a navigation menu with links to 'Home', 'Hobbies', and 'Favorite Teams'. Below the menu, the text 'Your Name' is displayed, followed by a welcome message: 'Welcome to my homepage! This is the main content of the homepage. © 2024 Your Name. All rights reserved.' The browser's status bar shows the same information as the code editor's status bar.

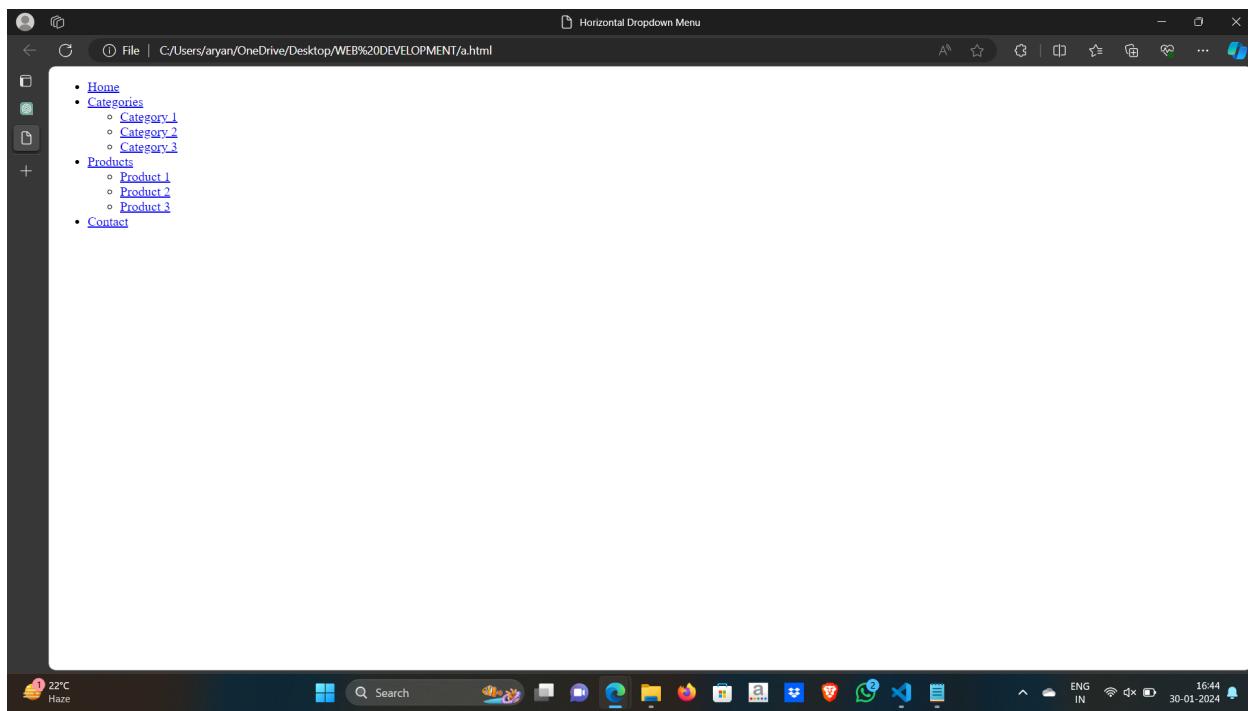
T8. Modify the final version of the menu project so that the menu is a horizontal menu with the first level of submenus dropping down below the selected item.



```
C:\> Users > aryan > OneDrive > Desktop > WEB DEVELOPMENT > a.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      <link rel="stylesheet" href="styles.css">
7      <title>Horizontal Dropdown Menu</title>
8  </head>
9  <body>
10
11     <nav>
12         <ul class="menu">
13             <li><a href="#">Home</a></li>
14             <li class="has-submenu">
15                 <a href="#">Categories</a>
16                 <ul class="submenu">
17                     <li><a href="#">Category 1</a></li>
18                     <li><a href="#">Category 2</a></li>
19                     <li><a href="#">Category 3</a></li>
20                 </ul>
21             </li>
22             <li class="has-submenu">
23                 <a href="#">Products</a>
24                 <ul class="submenu">
25                     <li><a href="#">Product 1</a></li>
26                     <li><a href="#">Product 2</a></li>
27                     <li><a href="#">Product 3</a></li>
28                 </ul>
29             </li>
30             <li><a href="#">Contact</a></li>
31         </ul>
32     </nav>
33
34 </body>
35
36 |
```

Ln 36, Col 1 Spaces: 4 UTF-8 CRLF HTML Go Live

22°C Haze



C:\> Users > aryan > OneDrive > Desktop > WEB DEVELOPMENT > # as.css > ...

```
1 body {  
2   font-family: 'Arial', sans-serif;  
3   margin: 0;  
4   padding: 0;  
5 }  
6  
7 nav {  
8   background-color: #333;  
9 }  
10  
11 .menu {  
12   list-style: none;  
13   padding: 0;  
14   margin: 0;  
15   display: flex;  
16 }  
17  
18 .menu li {  
19   position: relative;  
20 }  
21  
22 .menu a {  
23   display: block;  
24   color: white;  
25   text-decoration: none;  
26   padding: 15px;  
27 }  
28  
29 .menu li:hover {  
30   background-color: #555;  
31 }  
32  
33 .submenu {  
34   display: none;  
35   position: absolute;  
36   top: 100%;  
37   left: 0;  
38 }  
39  
40 .menu li:hover .submenu {  
41   display: block;  
42 }  
43  
44 .submenu li {  
45   display: block;  
46 }  
47  
48 .submenu a {  
49   padding: 10px;  
50 }  
51  
52 }
```

C:\> Users > aryan > OneDrive > Desktop > WEB DEVELOPMENT > # as.css > ...

```
28 .menu li:hover {  
29   background-color: #555;  
30 }  
31  
32 .submenu {  
33   display: none;  
34   position: absolute;  
35   top: 100%;  
36   left: 0;  
37   background-color: #333;  
38   border-top: 1px solid #555;  
39 }  
40  
41 .menu li:hover .submenu {  
42   display: block;  
43 }  
44  
45 .submenu li {  
46   display: block;  
47 }  
48  
49 .submenu a {  
50   padding: 10px;  
51 }  
52  
53 }
```