

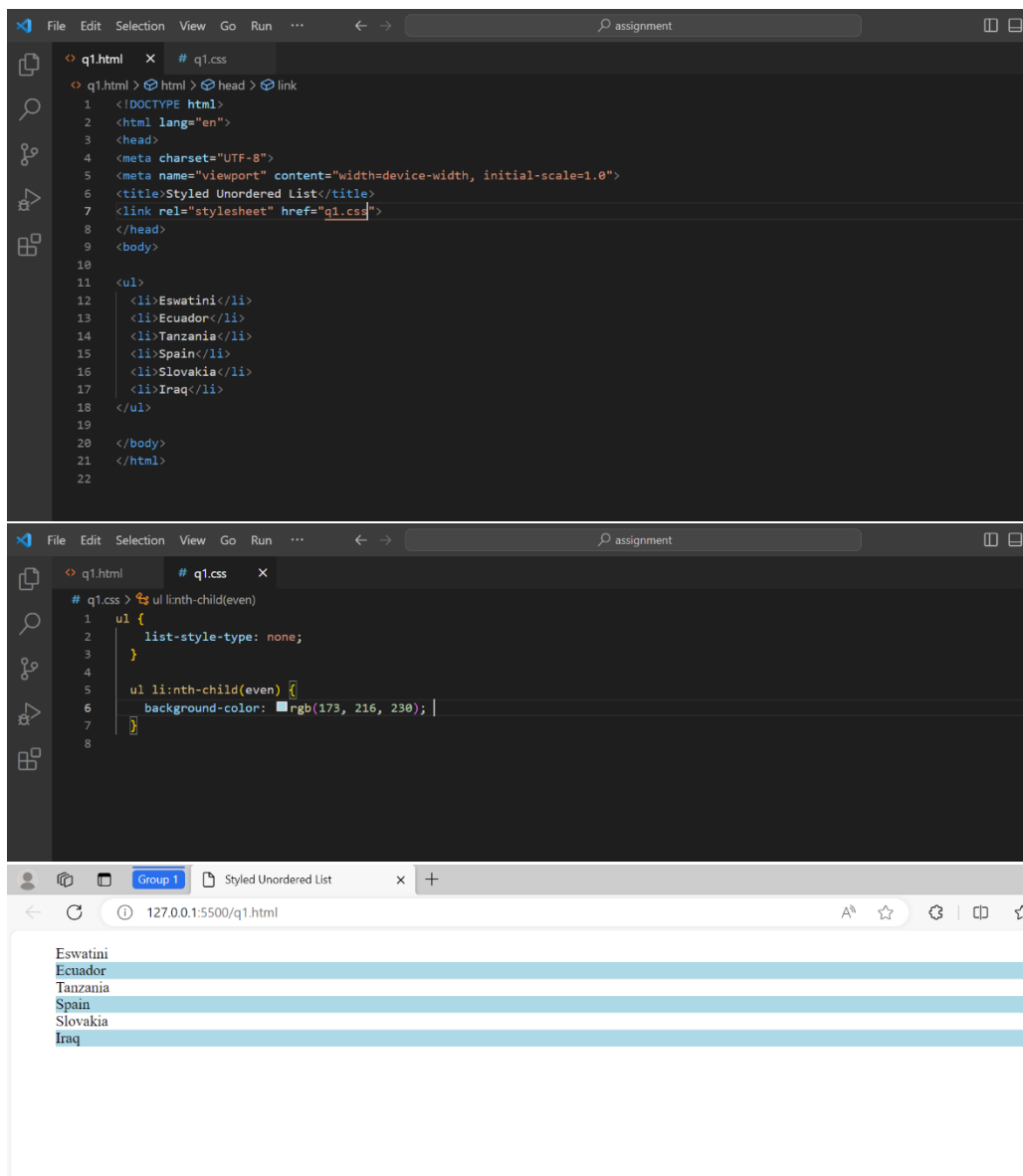
Web Technology

Lab3

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Q1.



Q2

The image displays a web development project in two parts. The top part shows the source code in a code editor (VS Code), and the bottom part shows the rendered output in a web browser.

HTML Code (q2.html):

```
<title>Styled Table</title>
<link rel="stylesheet" href="q2.css">
</head>
<body>
  <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>
    </tbody>
  </table>
</body>
```

CSS Code (q2.css):

```
body {
  font-family: Arial, sans-serif;
  font-size: 14px;
}

table {
  border-collapse: collapse;
  width: 100%;
}

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

thead th {
  background-color: black;
  color: white;
}

tbody tr:nth-child(odd) {
  background-color: lightgray;
}
```

Browser Output:

The browser displays a table with the following data:

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

Q3

The image displays a web development project in three parts: the HTML source code, the CSS source code, and the rendered web page.

HTML Source Code (q3.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>Grilled Cheese Sandwiches Recipe</title>
7 <link rel="stylesheet" href="q3.css">
8 </head>
9 <body>
10
11 <h1 class="recipe-title">Grilled Cheese Sandwiches with Bacon and Tomato</h1>
12
13 <h2>Ingredients:</h2>
14 <ul class="ingredients-list">
15 <li class="meat">Bacon</li>
16 <li class="vegetable">Tomato</li>
17 <li class="dairy">Cheddar cheese</li>
18 <li class="dairy">Butter</li>
19 <li>Bread slices</li>
20 </ul>
21
22 <h2>Instructions:</h2>
23 <p class="instructions">Fry the bacon until crispy. Slice the tomato. Butter one side of each bread slice. Place a slice of cheese, a slice
24
25 </body>
26 </html>
```

CSS Source Code (q3.css):

```
1 body {
2   font-family: Arial, sans-serif;
3 }
4
5 .recipe-title {
6   font-family: Helvetica, sans-serif;
7 }
8
9 .ingredients-list {
10  list-style-type: none;
11  padding: 0;
12 }
13 .ingredients-list li {
14  margin-bottom: 5px;
15 }
16 .meat {
17  background-color: lightcoral;
18 }
19
20 .vegetable {
21  background-color: lightgreen;
22 }
23
24 .dairy {
25  background-color: lightyellow;
26 }
27
28 .instructions {
29  font-style: italic;
```

Rendered Web Page:

The browser window shows the rendered page at `127.0.0.1:5500/q3.html`. The page features a main title "Grilled Cheese Sandwiches with Bacon and Tomato" in a large, bold, black font. Below the title is a section titled "Ingredients:" followed by a list of ingredients, each on a separate line and highlighted with a colored background: Bacon (lightcoral), Tomato (lightgreen), Cheddar cheese (lightyellow), Butter (lightyellow), and Bread slices (lightyellow). Below the ingredients is a section titled "Instructions:" followed by a paragraph of text in an italicized font: "Fry the bacon until crispy. Slice the tomato. Butter one side of each bread slice. Place a slice of cheese, a slice of tomato, and bacon on a slice of bread (butter side down). Top with another slice of bread (butter side up). Heat a skillet over medium heat. Place the sandwich in the skillet and cook until golden brown on both sides, and the cheese is melted. Serve hot."

Q4

The image displays a development workflow for a two-column web page. The top section shows the VS Code editor with the HTML file `q4.html` open. The code defines a container with two columns: a left column for books and a right column for celebrities. The bottom section shows the CSS file `q4.css` with styles for the layout, including flexbox, background colors, and font sizes. The bottom-most section is a browser preview of the rendered page, showing the two columns side-by-side with their respective content.

```
q4.html
1 <html lang="en">
2 <head>
3 <meta charset="UTF-8">
4 <meta name="viewport" content="width=device-width, initial-scale=1.0">
5 <title>Two Column Page</title>
6 <link rel="stylesheet" href="q4.css">
7 </head>
8 <body>
9
10 <div class="container">
11 <div class="left-column">
12 <h2>5 Best Selling Books in Amazon's Kindle Store</h2>
13 <ul>
14 <li>The Teacher: A Psychological Thriller</li>
15 <li>Where the Crawdads Sing by Delia Owens</li>
16 <li>The Reason I Married Him</li>
17 <li>The Nightingale by Kristin Hannah</li>
18 <li>Becoming by Michelle Obama</li>
19 </ul>
20 </div>
21 <div class="right-column">
22 <h2>5 Favorite Celebrities or Athletes</h2>
23 <ul>
24 <li>Amitabh Bachchan</li>
25 <li>Mahendra Singh Dhoni</li>
26 <li>Lionel Messi</li>
27 <li>Emma Watson</li>
28 <li>Tom Hanks</li>
29 </ul>
30 </div>
31 </div>
32 </body>
33 </html>
```

```
q4.css
1 body, html {
2   margin: 0;
3   padding: 0;
4 }
5 .container {
6   display: flex;
7 }
8
9 .left-column, .right-column {
10  flex: 1;
11  padding: 20px;
12 }
13
14 .left-column {
15   background-color: lightgray;
16 }
17 .right-column {
18   background-color: lightgreen;
19 }
20 h2 {
21   font-size: 20px;
22 }
23 ul {
24   list-style-type: none;
25   padding: 0;
26 }
27
28 li {
29   margin-bottom: 10px;
```

Group 1 Two Column Page

127.0.0.1:5500/q4.html

5 Best Selling Books in Amazon's Kindle Store

The Teacher: A Psychological Thriller

Where the Crawdads Sing by Delia Owens

The Reason I Married Him

The Nightingale by Kristin Hannah

Becoming by Michelle Obama

5 Favorite Celebrities or Athletes

Amitabh Bachchan

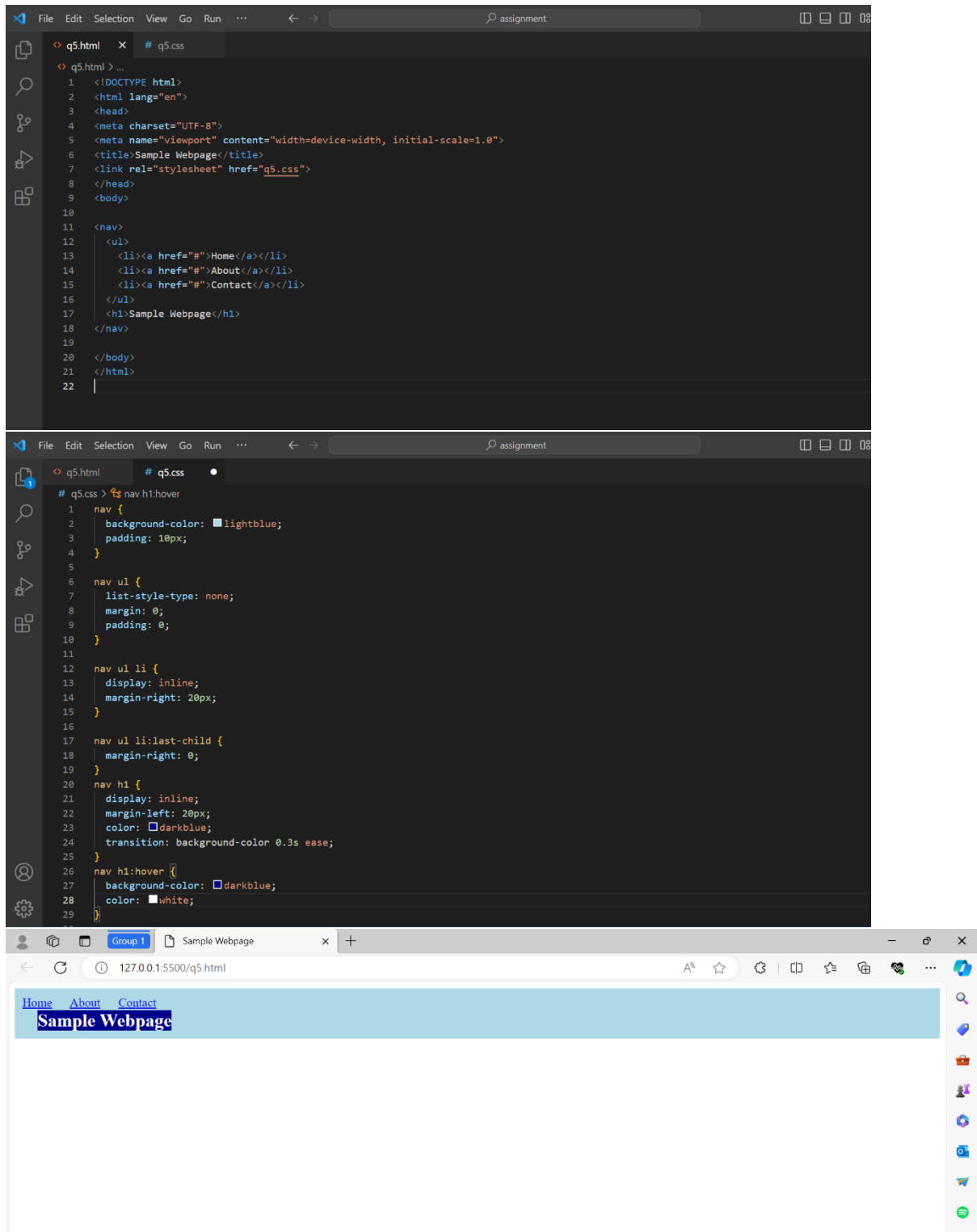
Mahendra Singh Dhoni

Lionel Messi

Emma Watson

Tom Hanks

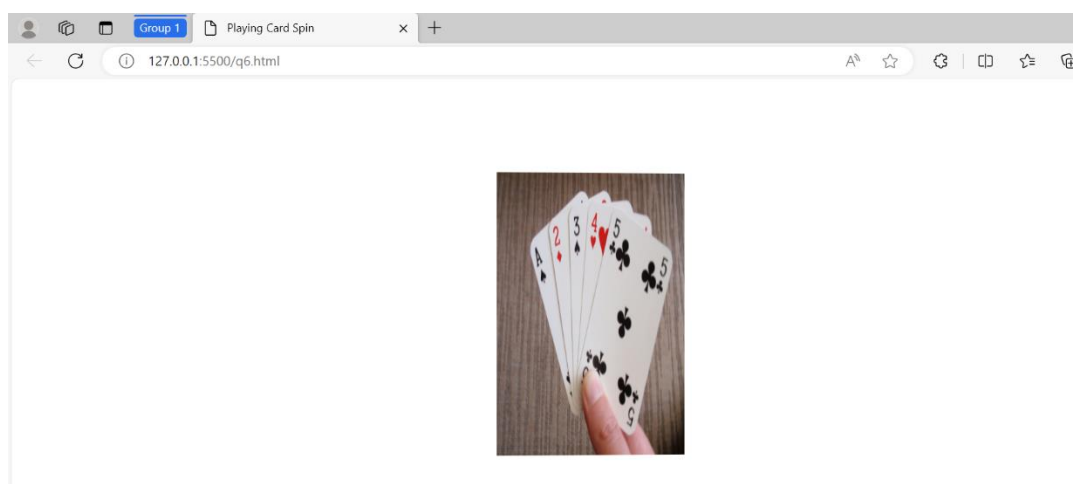
Q5



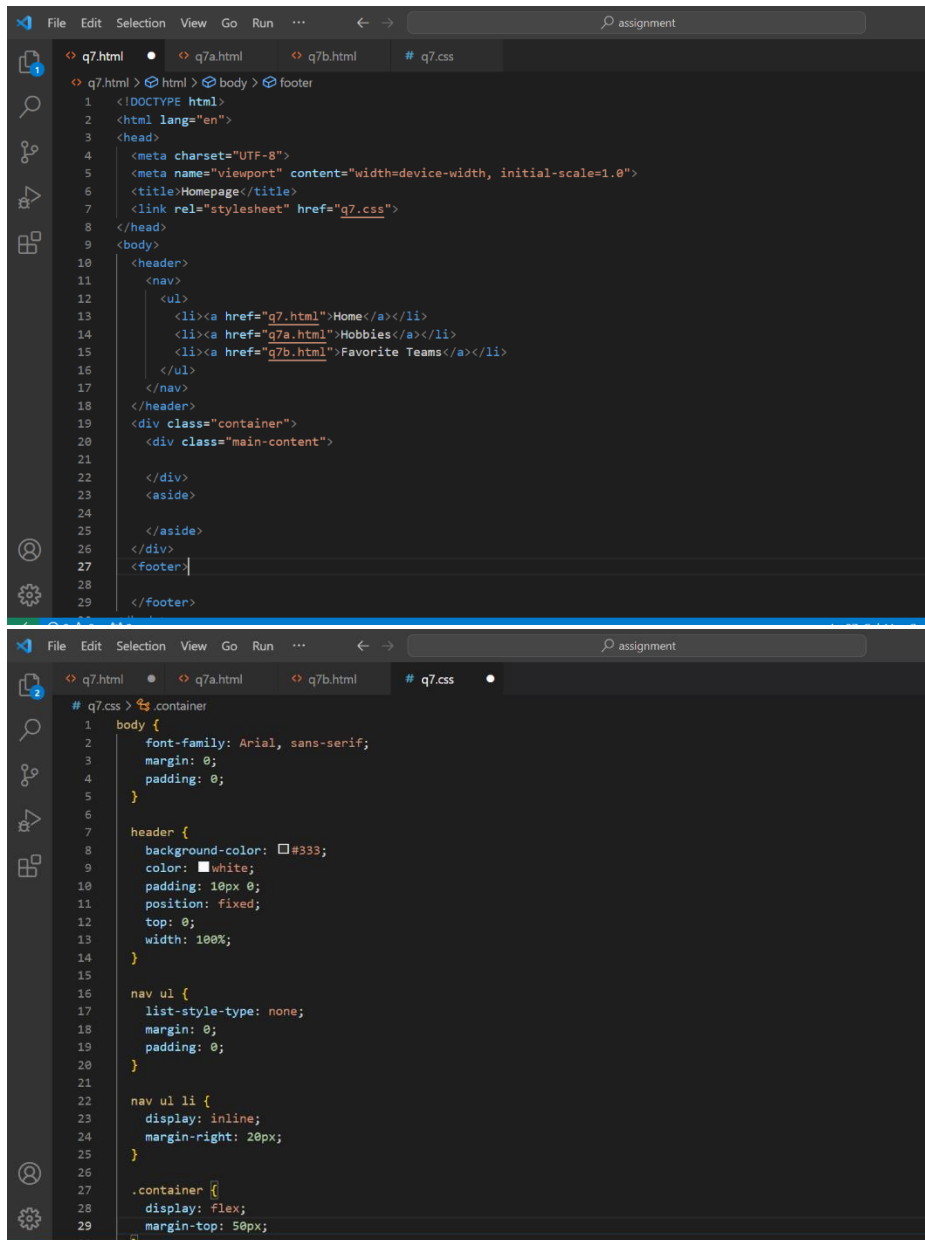
Q6

```
File Edit Selection View Go Run ... assignment
q6.html x # q6.css
q6.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>Playing Card Spin</title>
7 <link rel="stylesheet" href="q6.css">
8 </head>
9 <body>
10
11 <div class="card-container">
12   
13 </div>
14
15 </body>
16 </html>
17

# q6.css > ...
1 .card-container {
2   width: 200px;
3   height: 300px;
4   margin: 100px auto;
5   perspective: 1000px;
6 }
7
8 .playing-card {
9   width: 100%;
10  height: 100%;
11  transition: transform 2s linear infinite;
12 }
13
14 .playing-card:hover {
15   animation: spin 2s linear infinite;
16 }
17
18 @keyframes spin {
19   from {
20     transform: rotateY(0deg);
21   }
22   to {
23     transform: rotateY(360deg);
24   }
25 }
26
```



Q7

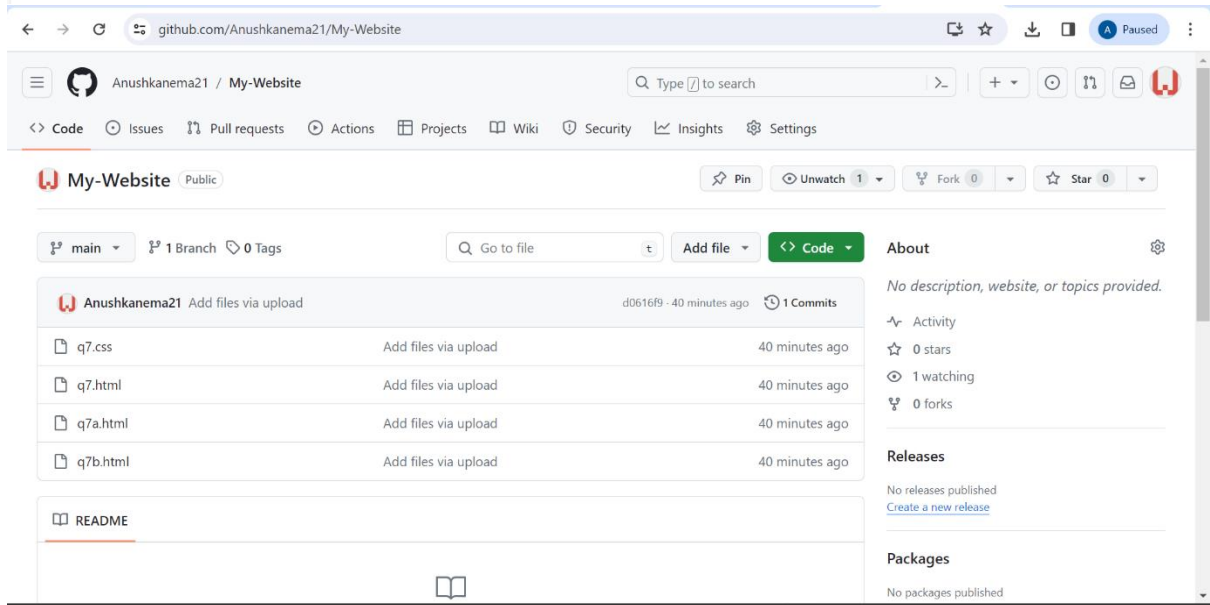
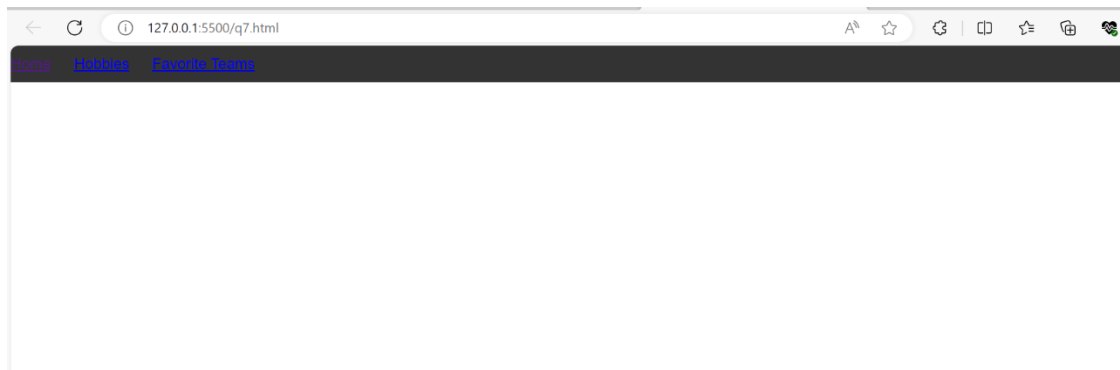


The image displays two screenshots of a code editor, likely Visual Studio Code, showing the development of a web page. The top screenshot shows the HTML file (q7.html) with the following code:

```
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>Homepage</title>
7   <link rel="stylesheet" href="q7.css">
8 </head>
9 <body>
10   <header>
11     <nav>
12       <ul>
13         <li><a href="q7.html">Home</a></li>
14         <li><a href="q7a.html">Hobbies</a></li>
15         <li><a href="q7b.html">Favorite Teams</a></li>
16       </ul>
17     </nav>
18   </header>
19   <div class="container">
20     <div class="main-content">
21
22     </div>
23   <aside>
24
25   </aside>
26 </div>
27 <footer>
28
29 </footer>
```

The bottom screenshot shows the CSS file (q7.css) with the following code:

```
1 body {
2   font-family: Arial, sans-serif;
3   margin: 0;
4   padding: 0;
5 }
6
7 header {
8   background-color: #333;
9   color: white;
10  padding: 10px 0;
11  position: fixed;
12  top: 0;
13  width: 100%;
14 }
15
16 nav ul {
17   list-style-type: none;
18   margin: 0;
19   padding: 0;
20 }
21
22 nav ul li {
23   display: inline;
24   margin-right: 20px;
25 }
26
27 .container {
28   display: flex;
29   margin-top: 50px;
```



Q8

The image displays a web development project in two parts: the source code in VS Code and a browser preview.

VS Code Editor (Top):

- File:** q8.html
- Language:** # q8.css
- Code:**

```
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Document</title>
7   <link rel="stylesheet" href="q8.css">
8 </head>
9 <body>
10
11 <nav class="menu">
12   <ul>
13     <li><a href="#">Home</a></li>
14     <li class="submenu">
15       <a href="#">Products</a>
16       <ul class="dropdown">
17         <li><a href="#">Product 1</a></li>
18         <li><a href="#">Product 2</a></li>
19         <li><a href="#">Product 3</a></li>
20       </ul>
21     </li>
22     <li><a href="#">Services</a></li>
23     <li class="submenu">
24       <a href="#">About</a>
25       <ul class="dropdown">
26         <li><a href="#">Team</a></li>
27         <li><a href="#">History</a></li>
28         <li><a href="#">Mission</a></li>
29       </ul>
30     </li>
31     <li><a href="#">Contact</a></li>
32   </ul>
```

VS Code Editor (Bottom):

- File:** # q8.css
- Code:**

```
2 list-style: none;
3 margin: 0;
4 padding: 0;
5 display: flex;
6 }
7 .menu ul li {
8   position: relative;
9 }
10 .menu ul li a {
11   display: block;
12   padding: 10px 20px;
13   text-decoration: none;
14   color: #333;
15 }
16 .menu ul li: hover > .dropdown {
17   display: block;
18 }
19 .menu ul ul.dropdown {
20   display: none;
21   position: absolute;
22   top: 100%;
23   left: 0;
24   background-color: #fff;
25   border: 1px solid #ccc;
26 }
27 .menu ul ul.dropdown li {
28   display: block;
29 }
30 .menu ul ul.dropdown li a {
```

Browser Preview (Bottom):

- Address Bar:** 127.0.0.1:5500/q8.html
- Navigation Bar:** Home | Products | Services | About | Contact
- Dropdown Menu:** A dropdown menu is visible under the 'About' link, containing the following items:
 - Team
 - History
 - Mission