WEB TECHNOLOGY

LAB-3

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

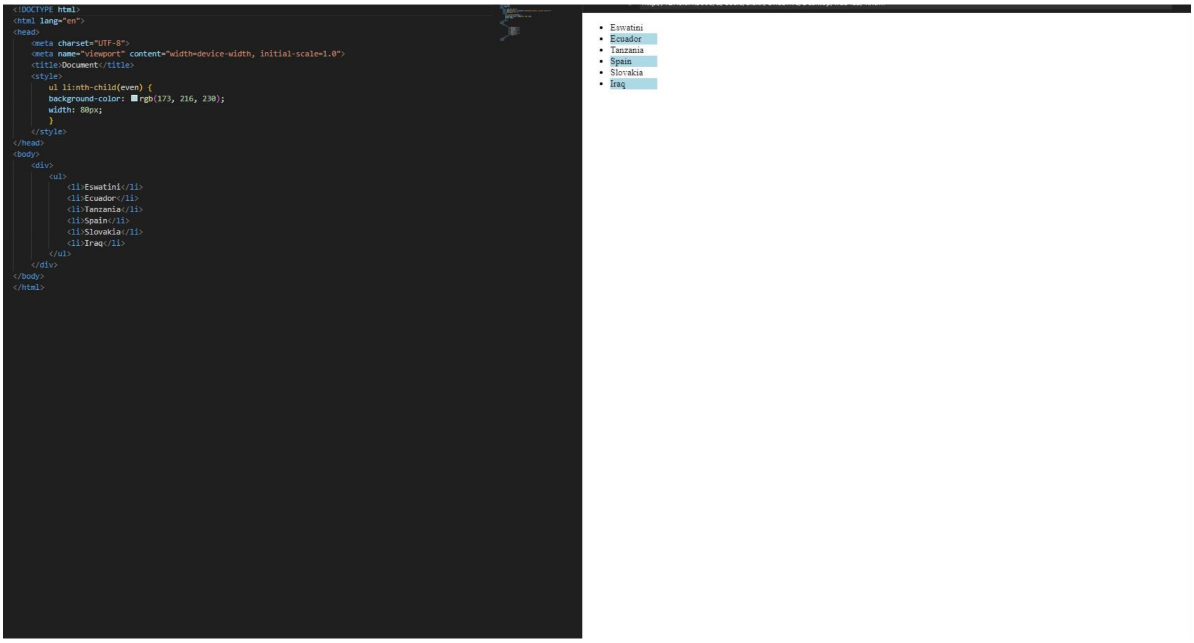
● Ecuador

● Tanzania

● Spain

● Slovakia

● Iraq



```
<!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>
        ul li:nth-child(even) {
        background-color: rgb(173, 216, 230);
        width: 80px;
        }
    </style>
</head>
<body>
    <div>
        <ul>
            <li>Eswatini</li>
            <li>Ecuador</li>
            <li>Tanzania</li>
            <li>Spain</li>
            <li>Slovakia</li>
            <li>Iraq</li>
        </ul>
    </div>
</body>
</html>
```

```
• Eswatini
• Ecuador
• Tanzania
• Spain
• Slovakia
• Iraq
```

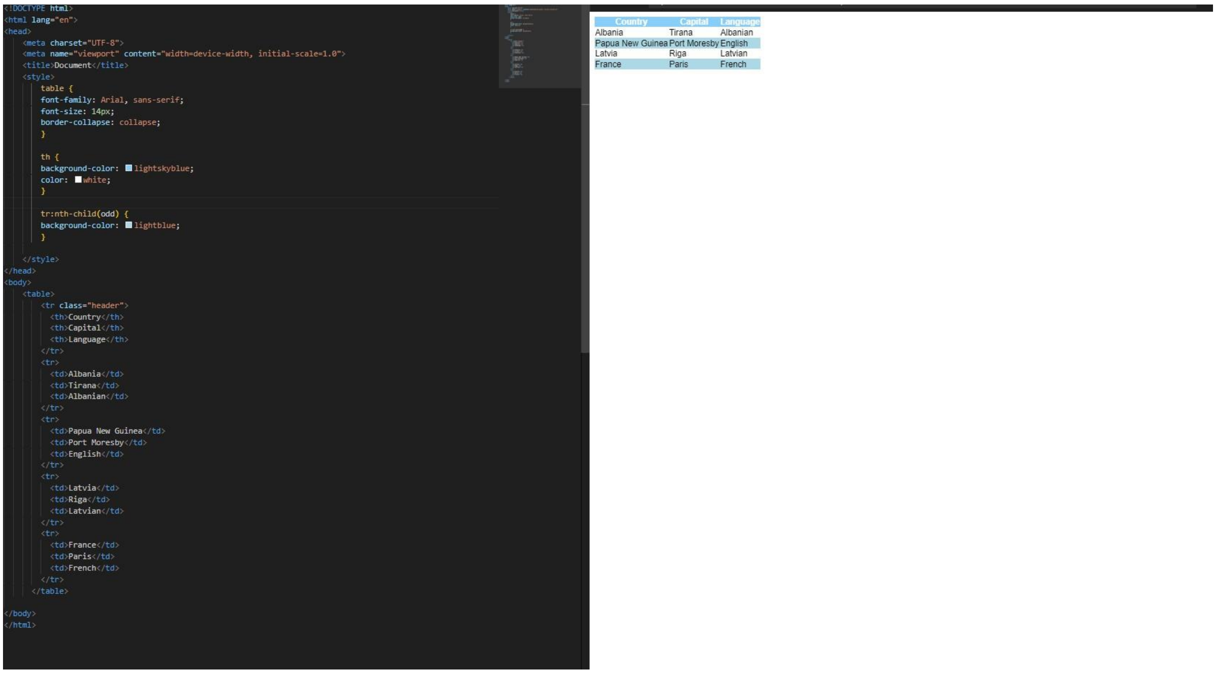
T2. Given the table in the question style the table so that the odd rows have a light gray background. In addition add a header row to the table and style that row so it has white text and a black background color. Change the font so that they are all 14 point sans serif of some kind.

Albania Tirana Albanian

Papua New Guinea Port Moresby English

Latvia Riga Latvian

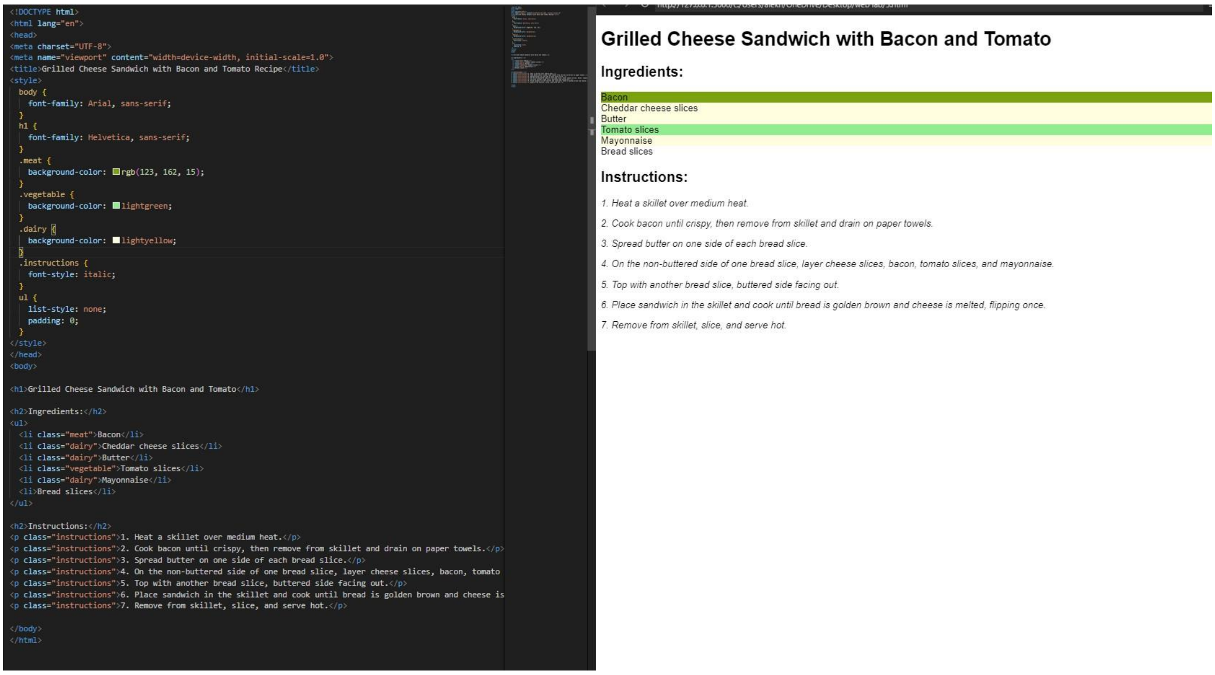
France Paris French



```
<!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>
        table {
        font-family: Arial, sans-serif;
        font-size: 14px;
        border-collapse: collapse;
        }

        th {
        background-color: lightskyblue;
        color: white;
        }

        tr:nth-child(odd) {
        background-color: lightblue;
        }

    </style>
</head>
<body>
    <table>
        <tr class="header">
          <th>Country</th>
          <th>Capital</th>
          <th>Language</th>
        </tr>
        <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>
      </table>

</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.



```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Grilled Cheese Sandwich with Bacon and Tomato Recipe</title>
<style>
  body {
    font-family: Arial, sans-serif;
  }
  h1 {
    font-family: Helvetica, sans-serif;
  }
  .meat {
    background-color: rgb(123, 162, 15);
  }
  .vegetable {
    background-color: lightgreen;
  }
  .dairy {
    background-color: lightyellow;
  }
  .instructions {
    font-style: italic;
  }
  ul {
    list-style: none;
    padding: 0;
  }
</style>
</head>
<body>

<h1>Grilled Cheese Sandwich with Bacon and Tomato</h1>

<h2>Ingredients:</h2>
<ul>
  <li class="meat">Bacon</li>
  <li class="dairy">Cheddar cheese slices</li>
  <li class="dairy">Butter</li>
  <li class="vegetable">Tomato slices</li>
  <li class="dairy">Mayonnaise</li>
  <li>Bread slices</li>
</ul>

<h2>Instructions:</h2>
<p class="instructions">1. Heat a skillet over medium heat.</p>
<p class="instructions">2. Cook bacon until crispy, then remove from skillet and drain on paper towels.</p>
<p class="instructions">3. Spread butter on one side of each bread slice.</p>
<p class="instructions">4. On the non-buttered side of one bread slice, layer cheese slices, bacon, tomato
<p class="instructions">5. Top with another bread slice, buttered side facing out.</p>
<p class="instructions">6. Place sandwich in the skillet and cook until bread is golden brown and cheese is
<p class="instructions">7. Remove from skillet, slice, and serve hot.</p>

</body>
</html>
```

Grilled Cheese Sandwich with Bacon and Tomato

Ingredients:

Bacon
Cheddar cheese slices
Butter
Tomato slices
Mayonnaise
Bread slices

Instructions:

1. Heat a skillet over medium heat.

2. Cook bacon until crispy, then remove from skillet and drain on paper towels.

3. Spread butter on one side of each bread slice.

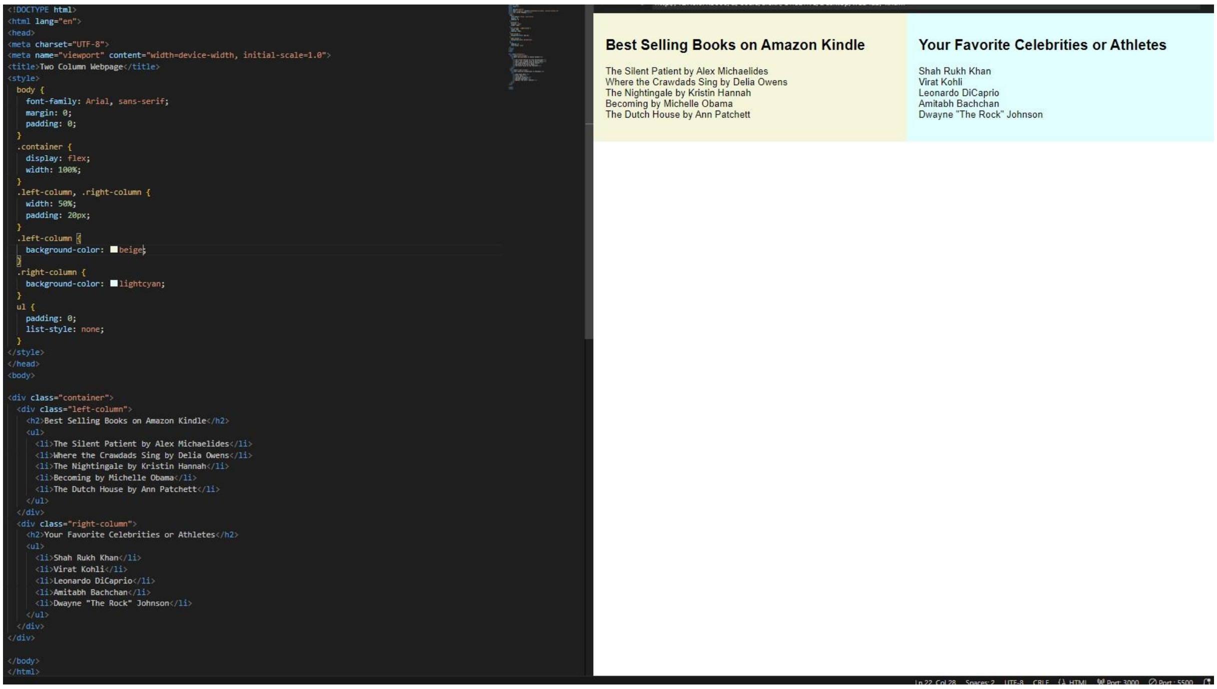
4. On the non-buttered side of one bread slice, layer cheese slices, bacon, tomato slices, and mayonnaise.

5. Top with another bread slice, buttered side facing out.

6. Place sandwich in the skillet and cook until bread is golden brown and cheese is melted, flipping once.

7. Remove from skillet, slice, and serve hot.

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.



```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Two Column Webpage</title>
<style>
  body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
  }
  .container {
    display: flex;
    width: 100%;
  }
  .left-column, .right-column {
    width: 50%;
    padding: 20px;
  }
  .left-column {
    background-color: beige;
  }
  .right-column {
    background-color: lightcyan;
  }
  ul {
    padding: 0;
    list-style: none;
  }
</style>
</head>
<body>

<div class="container">
  <div class="left-column">
    <h2>Best Selling Books on Amazon Kindle</h2>
    <ul>
      <li>The Silent Patient by Alex Michaelides</li>
      <li>Where the Crawdads Sing by Delia Owens</li>
      <li>The Nightingale by Kristin Hannah</li>
      <li>Becoming by Michelle Obama</li>
      <li>The Dutch House by Ann Patchett</li>
    </ul>
  </div>
  <div class="right-column">
    <h2>Your Favorite Celebrities or Athletes</h2>
    <ul>
      <li>Shah Rukh Khan</li>
      <li>Virat Kohli</li>
      <li>Leonardo DiCaprio</li>
      <li>Amitabh Bachchan</li>
      <li>Dwayne "The Rock" Johnson</li>
    </ul>
  </div>
</div>

</body>
</html>
```

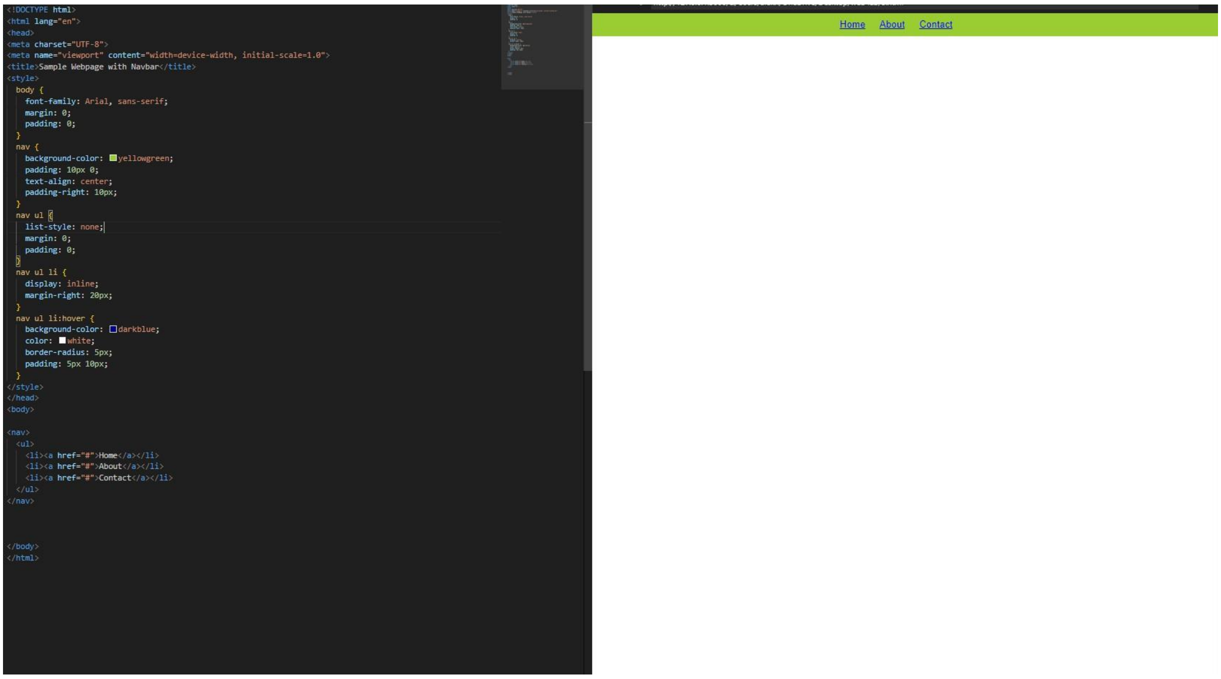
Best Selling Books on Amazon Kindle

The Silent Patient by Alex Michaelides
Where the Crawdads Sing by Delia Owens
The Nightingale by Kristin Hannah
Becoming by Michelle Obama
The Dutch House by Ann Patchett

Your Favorite Celebrities or Athletes

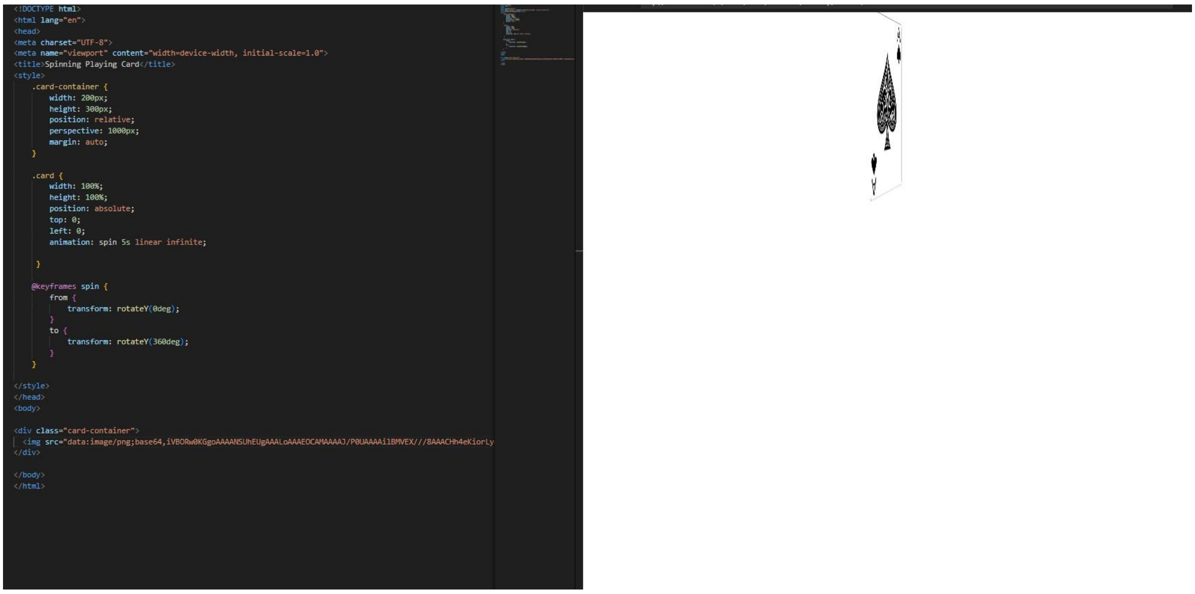
Shah Rukh Khan
Virat Kohli
Leonardo DiCaprio
Amitabh Bachchan
Dwayne "The Rock" Johnson

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.



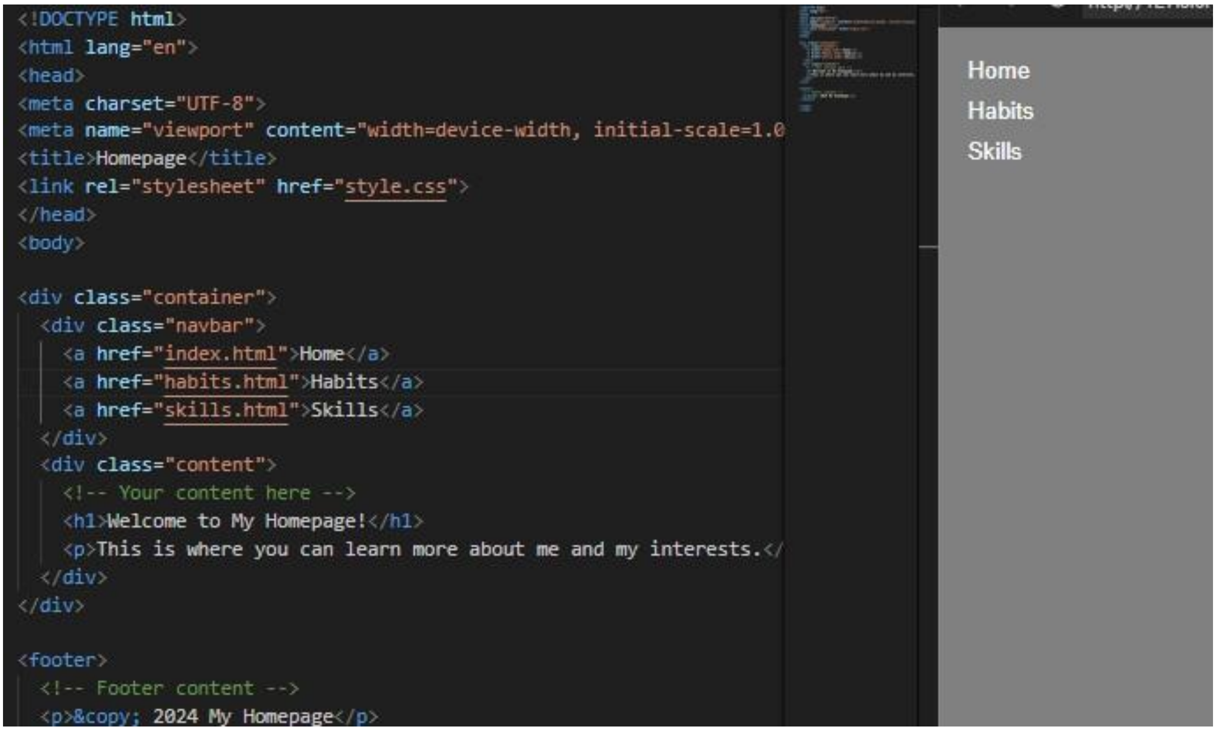
```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Sample Webpage with Navbar</title>
<style>
  body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
  }
  nav {
    background-color: yellowgreen;
    padding: 10px 0;
    text-align: center;
    padding-right: 10px;
  }
  nav ul {
    list-style: none;
    margin: 0;
    padding: 0;
  }
  nav ul li {
    display: inline;
    margin-right: 20px;
  }
  nav ul li:hover {
    background-color: darkblue;
    color: white;
    border-radius: 5px;
    padding: 5px 10px;
  }
</style>
</head>
<body>

<nav>
  <ul>
    <li><a href="#">Home</a></li>
    <li><a href="#">About</a></li>
    <li><a href="#">Contact</a></li>
  </ul>
</nav>



</body>
</html>
```

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



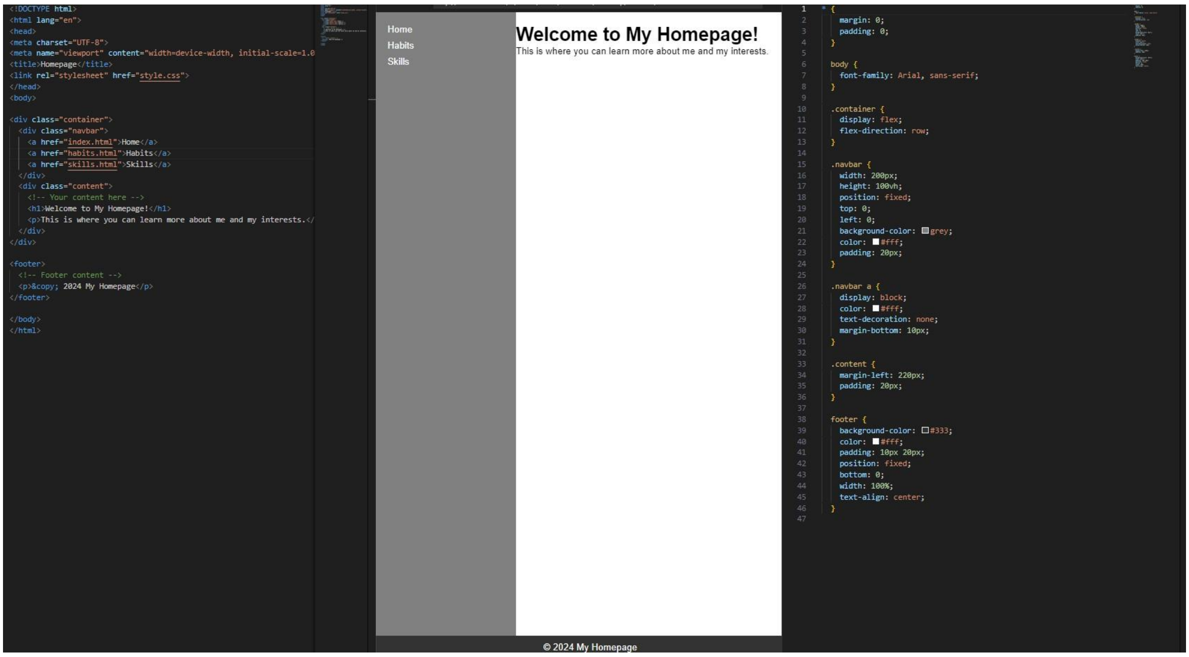
```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Spinning Playing Card</title>
<style>
    .card-container {
        width: 200px;
        height: 300px;
        position: relative;
        perspective: 1000px;
        margin: auto;
    }

    .card {
        width: 100%;
        height: 100%;
        position: absolute;
        top: 0;
        left: 0;
        animation: spin 5s linear infinite;

     }

    @keyframes spin {
        from {
            transform: rotateY(0deg);
        }
        to {
            transform: rotateY(360deg);
        }
    }

</style>
</head>
<body>

<div class="card-container">
  <img src="data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAALoAAAEOCAMAAAAJ/P0UAAAAilBMVEX///8AAACHh4eKiorLy
</div>

</body>
</html>
```

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.



```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0
<title>Homepage</title>
<link rel="stylesheet" href="style.css">
</head>
<body>

<div class="container">
  <div class="navbar">
    <a href="index.html">Home</a>
    <a href="habits.html">Habits</a>
    <a href="skills.html">Skills</a>
  </div>
  <div class="content">
    <!-- Your content here -->
    <h1>Welcome to My Homepage!</h1>
    <p>This is where you can learn more about me and my interests.</
  </div>
</div>

<footer>
  <!-- Footer content -->
  <p>&copy; 2024 My Homepage</p>
```

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.



```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0
<title>Homepage</title>
<link rel="stylesheet" href="style.css">
</head>
<body>

<div class="container">
  <div class="navbar">
    <a href="index.html">Home</a>
    <a href="habits.html">Habits</a>
    <a href="skills.html">Skills</a>
  </div>
  <div class="content">
    <!-- Your content here -->
    <h1>Welcome to My Homepage!</h1>
    <p>This is where you can learn more about me and my interests.</
  </div>
</div>

<footer>
  <!-- Footer content -->
  <p>&copy; 2024 My Homepage</p>
</footer>

</body>
</html>
```

Welcome to My Homepage!

This is where you can learn more about me and my interests.

© 2024 My Homepage

```
* {
  margin: 0;
  padding: 0;
}

body {
  font-family: Arial, sans-serif;
}

.container {
  display: flex;
  flex-direction: row;
}

.navbar {
  width: 200px;
  height: 100vh;
  position: fixed;
  top: 0;
  left: 0;
  background-color: grey;
  color: #fff;
  padding: 20px;
}

.navbar a {
  display: block;
  color: #fff;
  text-decoration: none;
  margin-bottom: 10px;
}

.content {
  margin-left: 220px;
  padding: 20px;
}

footer {
  background-color: #333;
  color: #fff;
  padding: 10px 20px;
  position: fixed;
  bottom: 0;
  width: 100%;
  text-align: center;
}
```