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22CS3002
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Web Technology Lab-3
30th Jan 2024
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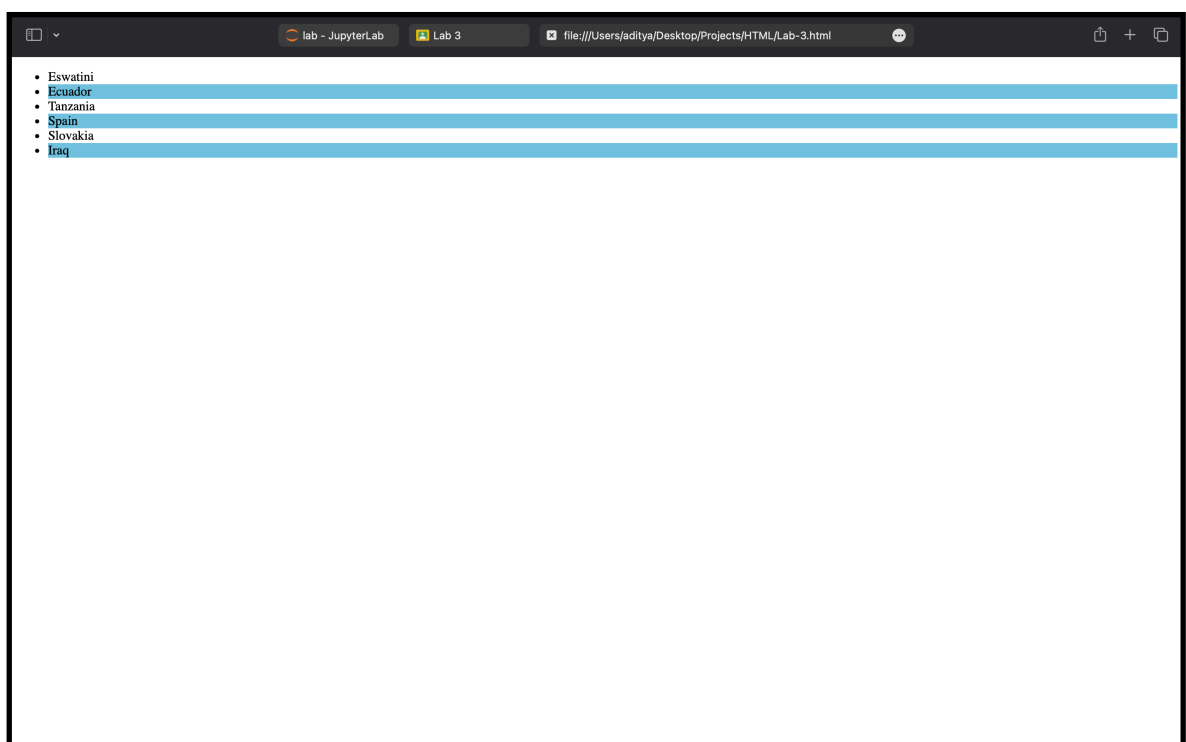————————————————————————————————————

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**

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>Document</title>
7       <style>
8           .even{
9               background: rgb(109, 195, 223);
10          }
11      </style>
12  </head>
13  <body>
14  <ul>
15  <li>Eswatini</li>
16  <li class="even">Ecuador</li>
17  <li>Tanzania</li>
18  <li class = 'even'>Spain</li>
19  <li>Slovakia</li>
20  <li class = 'even'>Iraq</li>
21  </ul>
22  </body>
23  </html>
```
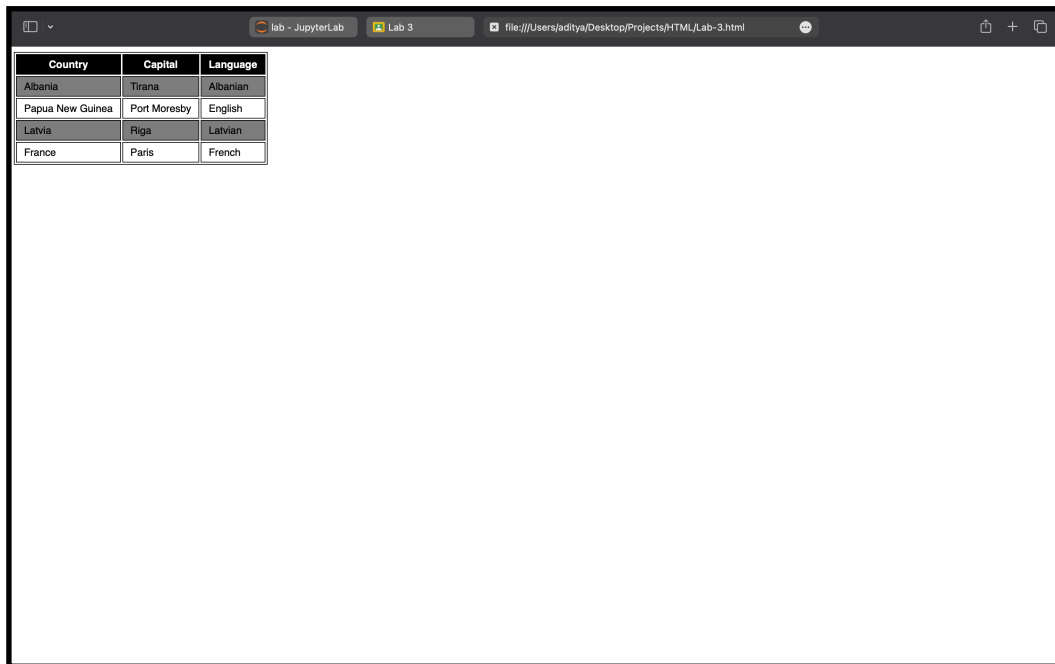
Output:

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.

Code:

```html
<> Lab-3.html > ⬡ html > ⬡ head > ⬡ style > ⅗ table
1   <!DOCTYPE html>
2   <html lang="en">
3
4   <head>
5     <meta charset="UTF-8">
6     <meta name="viewport" content="width=device-width, initial-scale=1.0">
7     <title>Assignment 3</title>
8
9     <style>
10      table {
11        border: 1px solid □black;
12        font-size: 14px;
13        font-family: sans-serif;
14
15      }
16      table td {
17        border: 1px solid □black;
18        padding: 5px 10px;
19
20      }
21
22      table tr:nth-child(even) {
23        background-color: ■grey;
24      }
25
26      table th {
27        border: 1px solid □black;
28        padding: 5px 10px;
29        color: ■#fff;
30        background-color: □black;
31
32      }
33    </style>
34  </head>
35
36  <body>
37    <table>
38      <tr>
39        <th>Country</th>
40        <th>Capital</th>
41        <th>Language</th>
42      </tr>
43      <tr>
44        <td>Albania</td>
45        <td>Tirana</td>
46        <td>Albanian</td>
47      </tr>
48      <tr>
49        <td>Papua New Guinea</td>
50        <td>Port Moresby</td>
51        <td>English</td>
52      </tr>
53      <tr>
54        <td>Latvia</td>
55        <td>Riga</td>
56        <td>Latvian</td>
57      </tr>
58      <tr>
59        <td>France</td>
60        <td>Paris</td>
61        <td>French</td>
62      </tr>
63    </table>
64  </body>
65  </html>
```

Output:

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.

Code:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Grilled Cheese</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 0;
      padding: 20px;
    }
    h1 {
      font-size: 2em;
      text-align: center;
      margin-bottom: 20px;
    }
    ul {
      list-style: none;
      padding: 0;
      margin: 0;
    }
    li {
      margin-bottom: 10px;
    }
    li[data-color="red"] {
      background-color: #f5f5f5;
    }
    li[data-color="green"] {
      background-color: #f0fff0;
    }
    li[data-color="yellow"] {
      background-color: #ffffe0;
    }
    .instructions h2 {
      font-size: 1.5em;
      margin-bottom: 10px;
    }
    .instructions p {
      font-style: italic;
    }
    .red{
      color : red
    }
```
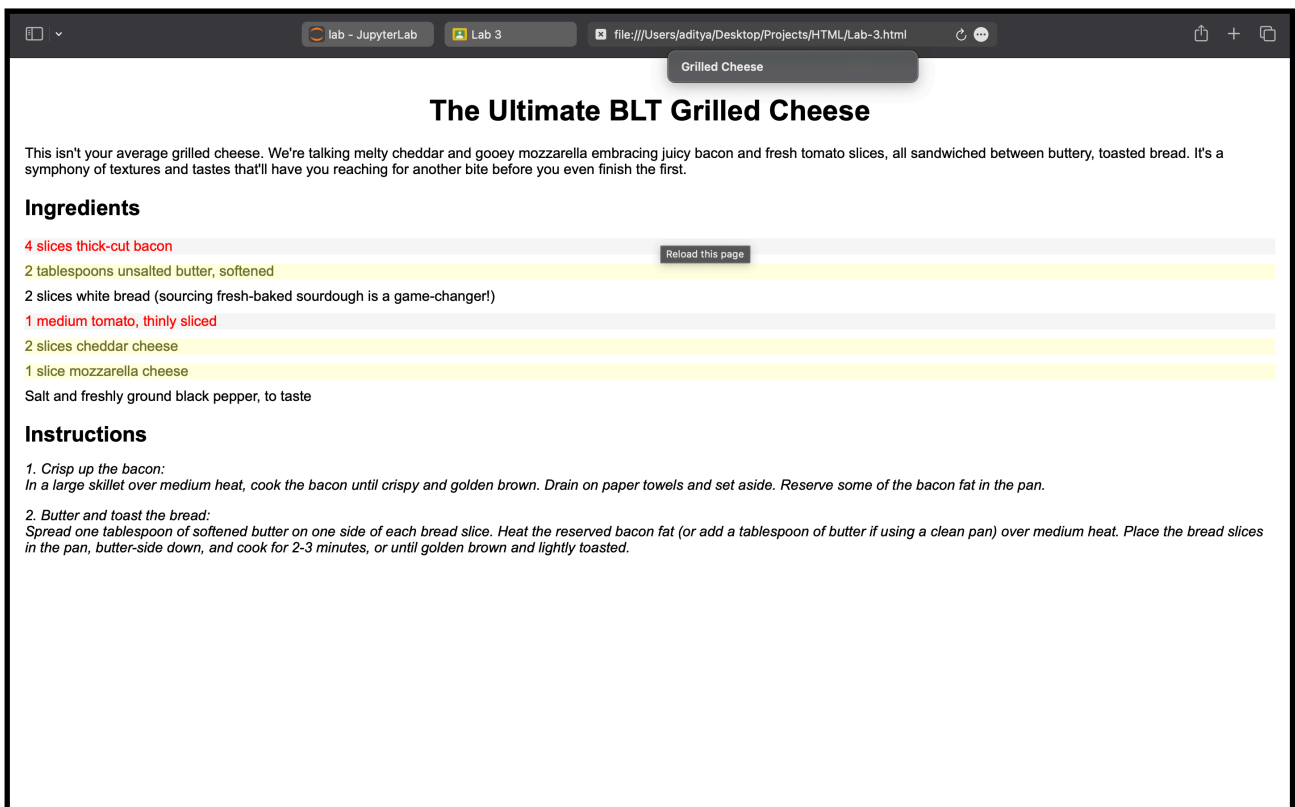
```
        }
        .yellow{
            color : ☐rgb(114, 114, 42)
        }
    </style>
</head>
<body>
    <h1>The Ultimate BLT Grilled Cheese</h1>
    <p>This isn't your average grilled cheese. We're talking melty cheddar and gooey mozzarella embracing juicy
        bacon and fresh tomato slices, all sandwiched between buttery, toasted bread. It's a symphony of textures and
        tastes that'll have you reaching for another bite before you even finish the first.</p>
    <h2>Ingredients</h2>
    <ul>
        <li data-color="red" class = 'red'>4 slices thick-cut bacon</li>
        <li data-color="yellow" class = 'yellow'>2 tablespoons unsalted butter, softened</li>
        <li>2 slices white bread (sourcing fresh-baked sourdough is a game-changer!)</li>
        <li data-color="red" class = 'red'>1 medium tomato, thinly sliced</li>
        <li data-color="yellow" class = 'yellow'>2 slices cheddar cheese</li>
        <li data-color="yellow" class = 'yellow'>1 slice mozzarella cheese</li>
        <li>Salt and freshly ground black pepper, to taste</li>
    </ul>
    <div class="instructions">
        <h2>Instructions</h2>
        <p>
            1. Crisp up the bacon:<br>
            In a large skillet over medium heat, cook the bacon until crispy and golden brown. Drain on paper towels
            and set aside. Reserve some of the bacon fat in the pan.
        </p>
        <p>
            2. Butter and toast the bread:<br>
            Spread one tablespoon of softened butter on one side of each bread slice. Heat the reserved bacon fat
            (or add a tablespoon of butter if using a clean pan) over medium heat. Place the bread slices in the pan,
            butter-side down, and cook for 2-3 minutes, or until golden brown and lightly toasted.
        </p>
```
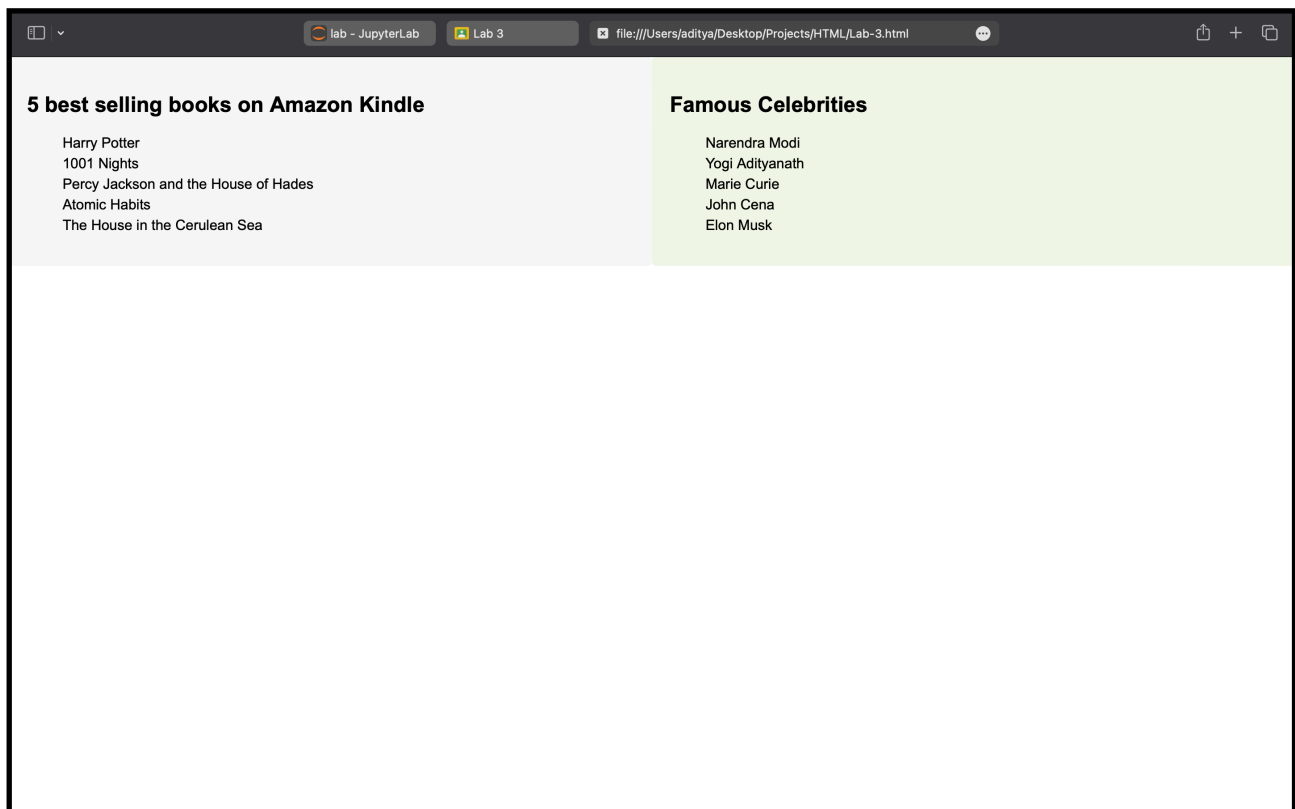
Output:

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.

Code:

```html
<> Lab-3.html > </> html > </> body > </> div.container > </> div.column.celebrities > </> ul > </> li
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>Amazon Bestsellers & My Faves</title>
7      <style>
8        body {
9        font-family: Arial, sans-serif;
10       margin: 0;
11     }
12
13     .container {
14       display: flex;
15     }
16
17     .column {
18       flex: 1;
19       padding: 20px;
20       border-radius: 5px;
21     }
22
23     .books {
24       background-color: ■#f8f8f8;
25     }
26
27     .celebrities {
28       background-color: ■#f0f8e8;
29     }
30
31     h1 {
32       margin-bottom: 10px;
33     }
34
35     ul {
36       list-style: none;
37     }
38
39     li {
40       margin-bottom: 5px;
41     }
42     </style>
```

```html
39     li {
40       margin-bottom: 5px;
41     }
42     </style>
43   </head>
44   <body>
45     <div class="container">
46       <div class="column books">
47         <h2>5 best selling books on Amazon Kindle</h2>
48         <ul>
49           <li>Harry Potter</li>
50           <li>1001 Nights </li>
51           <li>Percy Jackson and the House of Hades</li>
52           <li>Atomic Habits</li>
53           <li>The House in the Cerulean Sea</li>
54         </ul>
55       </div>
56       <div class="column celebrities">
57         <h2>Famous Celebrities</h2>
58         <ul>
59           <li>Narendra Modi</li>
60           <li>Yogi Adityanath</li>
61           <li>Marie Curie</li>
62           <li>John Cena</li>
63           <li>Elon Musk</li>
64         </ul>
65       </div>
66     </div>
67   </body>
68 </html>
```

Output:

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.

Code:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>My WebPage</title>
    <style>
        nav {
    background-color: #d0f0ff;
    padding: 10px 20px;
    display: flex;
    justify-content: space-between;
    align-items: center;
}

h1 {
    font-weight: bold;
    margin: 0;
    padding: 0;
}

#title:hover {
    background-color: #4080ff;
    color: #fff;
    transition: background-color 0.2s ease-in-out;
}

ul {
    list-style: none;
    margin: 0;
    padding: 0;
    display: inline-flex;
}

li {
    margin-right: 20px;
}

a {
    text-decoration: none;
    color: #4080ff;
    font-weight: normal;
}
```

```
  a:hover {
    text-decoration: underline;
    color : ☐darkblue

  }
  </style>
</head>
<body>
  <nav>
    <h1 id="title">My Website</h1>
    <ul>
      <li><a href="https://leetcode.com">LeetCode</a></li>
      <li><a href="https://www.wikipedia.org">Wikipedia</a></li>
      <li><a href="https://in.yahoo.com">Yahoo</a></li>
    </ul>
  </nav>

  </body>
</html>
```
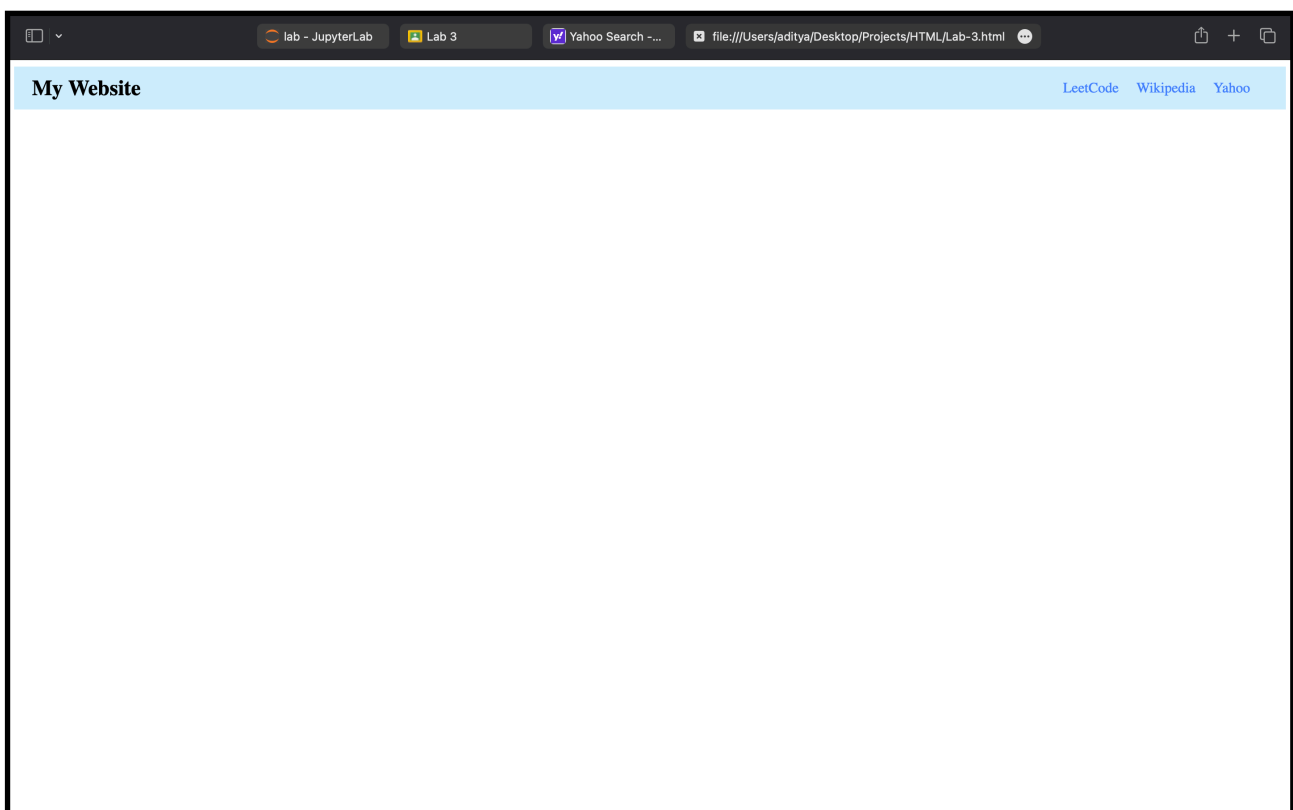
Output:

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.

Code:

```html
<!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>
        #test {
            width: 300px;
            height: 600px;
            background: url('playing card.jpg');
            position: relative;
            top: 50%;
            left: 50%;
            transform: translate(-50%,-50%);
        }

        @-webkit-keyframes rotating {
            from{
                -webkit-transform: rotate(0deg);
            }
            to{
                -webkit-transform: rotate(360deg);
            }
        }

        .rotating {
            -webkit-animation: rotating 2s linear infinite;
        }
    </style>
</head>
<body>
    <div id='test' class='rotating'></div>


</body>
</html>
```