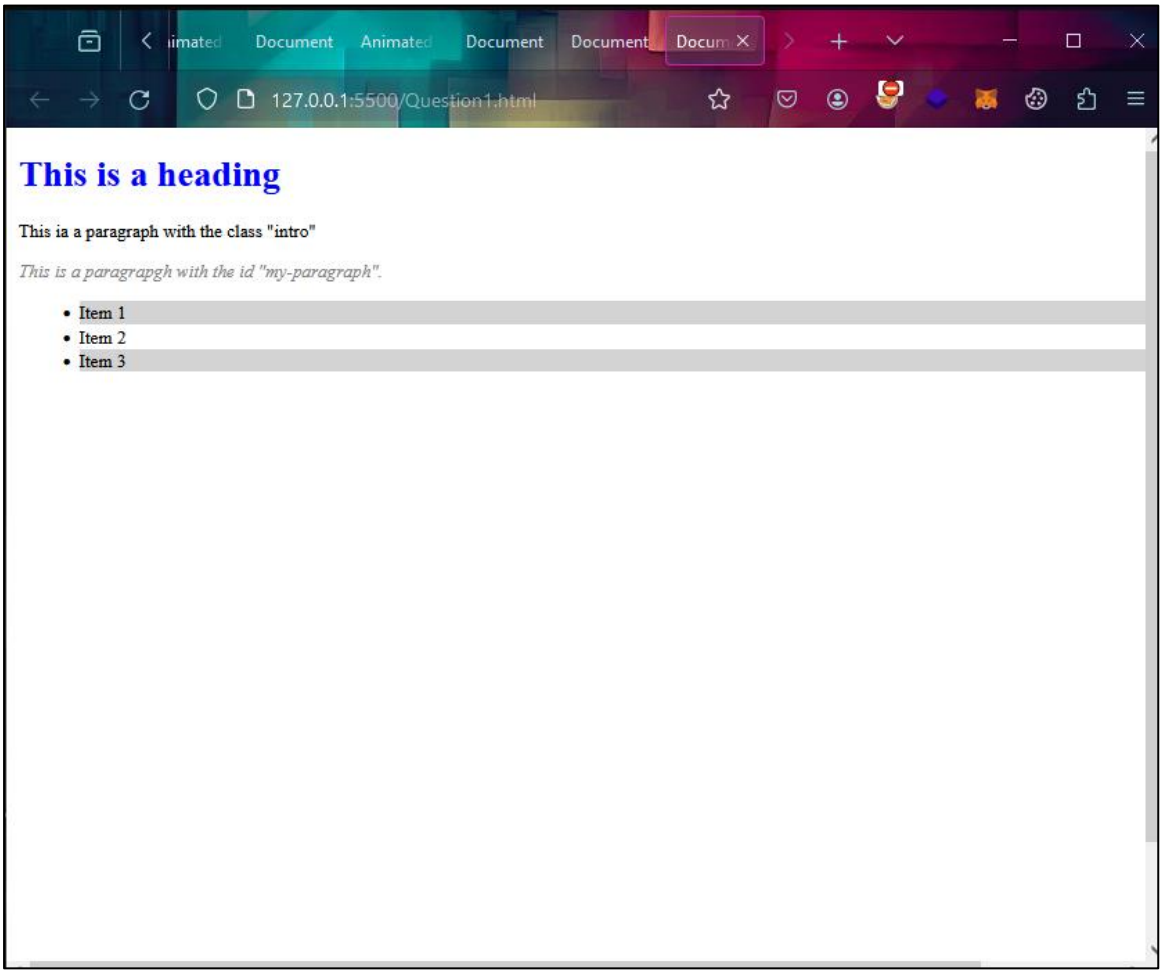
1) Write a program to style content using different CSS selectors?

```
<!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>
    h1 {
      color: blue;
    }

    p.intro {
      font-style: bold;
    }

    #my-paragraph {
      font-style: italic;
      color: grey;
    }

    ul li:nth-child(odd) {
      background-color: lightgrey;
    }
    ul li:nth-child(even) {
      background-color: white;
    }
  </style>
</head>

<body>
  <h1>This is a heading</h1>
  <p class="intro">This ia a paragraph with the class "intro"</p>
  <p id="my-paragraph">This is a paragrapgh with the id "my-paragraph".</p>
  <ul>
    <li>Item 1</li>
    <li>Item 2</li>
    <li>Item 3</li>
  </ul>
</body>

</html>
```

Output :

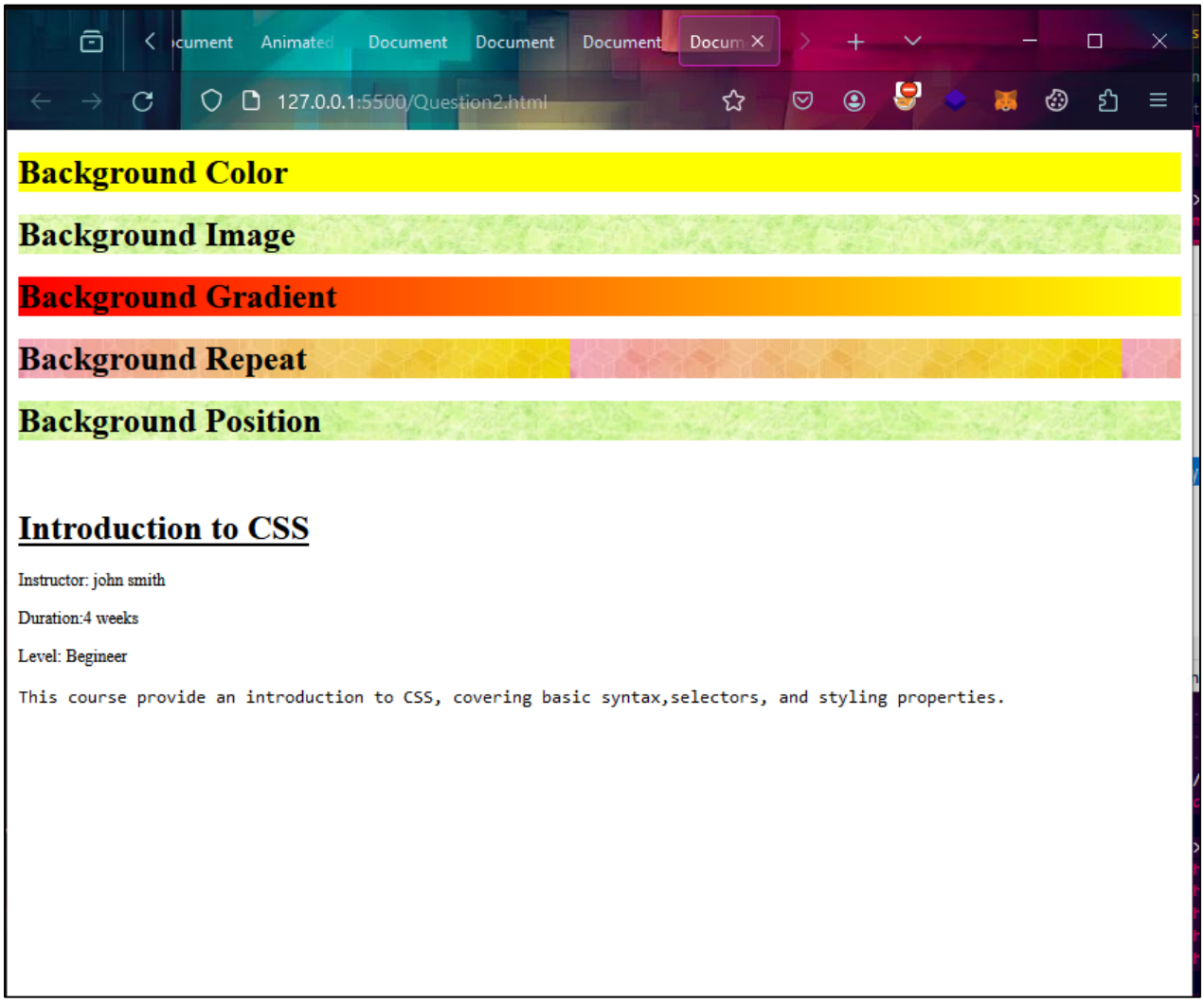


2) Write a program to show different background properties and display course information using different font properties in css?

```
<!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>
    h1.color {
      background-color: yellow;
    }

    h1.image {
```

```
      background-image: url('image.png');
    }

    h1.gradient {
      background-image: linear-gradient(to right, red, yellow);
    }

    h1.repeat {
      background-image: url('pattern.jpg');
      background-repeat: repeat;
    }

    h1.position {
      background-image: url('image.png');
      background-position: center;
    }
  </style>
</head>

<body>
  <h1 class="color">Background Color</h1>
  <h1 class="image">Background Image</h1>
  <h1 class="gradient">Background Gradient</h1>
  <h1 class="repeat">Background Repeat</h1>
  <h1 class="position">Background Position </h1>

  <br>
  <div>
    <h1><u>Introduction to CSS</u>

    </h1>
    <p>Instructor: john smith</p>
    <p>Duration:4 weeks</p>
    <p>Level: Begineer</p>
    <pre>This course provide an introduction to CSS, covering basic syntax,selectors, and
styling properties.</pre>
  </div>

</body>

</html>
```

Output :

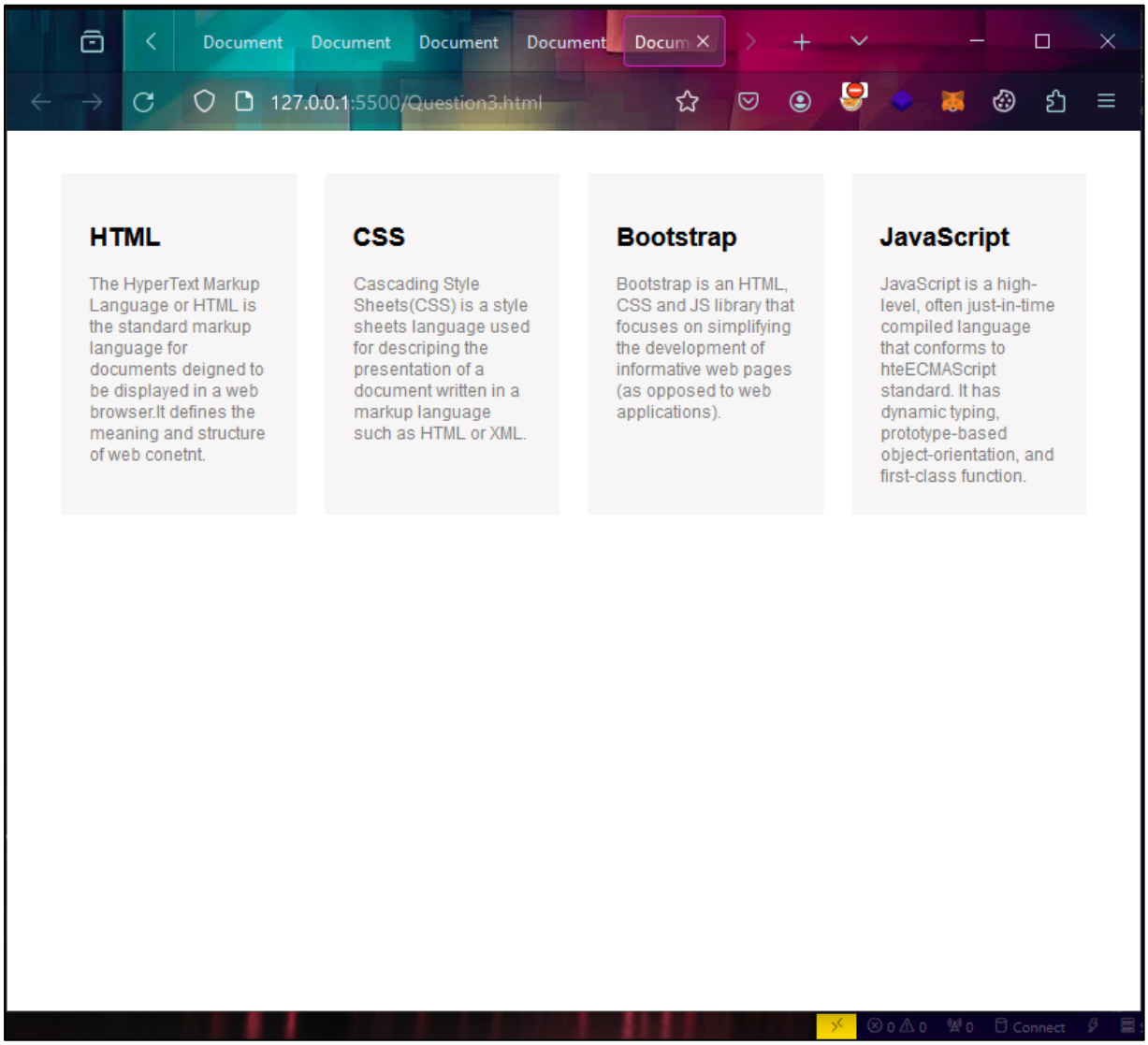


3) Write a program to display courses in a tile using flexbox?

```
<!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>
        .courses {
            background-color: white;
            display: flex;
            align-items: stretch;
            margin: 20px;
        }
```

```
      .course {
         background-color: #f7f5f5;
         align-items: stretch;
         margin: 10px;
         padding: 20px;
         height: 200px;
         width: 350px;
         font-family: Arial;
      }

      p {
         color: rgb(126, 126, 126);
      }
   </style>
</head>

<body>
   <div class="courses">
      <div class="course">
         <h2>HTML</h2>
         <p>The HyperText Markup Language or HTML is the standard markup language for
documents deigned to be displayed in a web browser.It defines the meaning and structure
of web conetnt.</p>
      </div>
      <div class="course">
         <h2>CSS</h2>
         <p>Cascading Style Sheets(CSS) is a style sheets language used for descriping the
presentation of a document written in a markup language such as HTML or XML.</p>
      </div>
      <div class="course">
         <h2>Bootstrap</h2>
         <p>Bootstrap is an HTML, CSS and JS library that focuses on simplifying the
development of informative web pages (as opposed to web applications).</p>
      </div>
      <div class="course">
         <h2>JavaScript</h2>
         <p>JavaScript is a high-level, often just-in-time compiled language that conforms to
hteECMAScript standard. It has dynamic typing, prototype-based object-orientation, and
first-class function.</p>
      </div>
   </div>
</body>
</html>
```

Output:



4) Write a program to design standard web layout using GRID?

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Grid Layout</title>
  <style>
    body {
      margin: 0;
      font-family: Arial, sans-serif;
    }
    .container {
```

```
        display: grid;
        grid-template-columns: 1fr 3fr 3fr;
        grid-template-rows: auto;
        gap: 20px;
        padding: 20px;
      }

      .sidebar {
        background-color: #f0f0f0;
        padding: 20px;
      }

      .content {
        background-color: #fff;
        padding: 20px;
      }

      header,
      footer {
        grid-column: 1;
        background-color: #333;
        color: #fff;
        padding: 10px 20px;
      }
    </style>
</head>

<body>
    <header>
      <h1>ExcelR FullStack APR 2024</h1>
    </header>

    <div class="container">
      <div class="sidebar">
        <h2>Sidebar</h2>
        <p> full-stack developer </p>
      </div>
      <div class="content">
        <h2>Front End Developer</h2>
        <p>Full-stack developers may be creative, graphically inclined, internet- and tech-savvy, and have excellent attention to detail. Front-end development is the process of creating the interface of a website. It entails coding details like drop-down
```

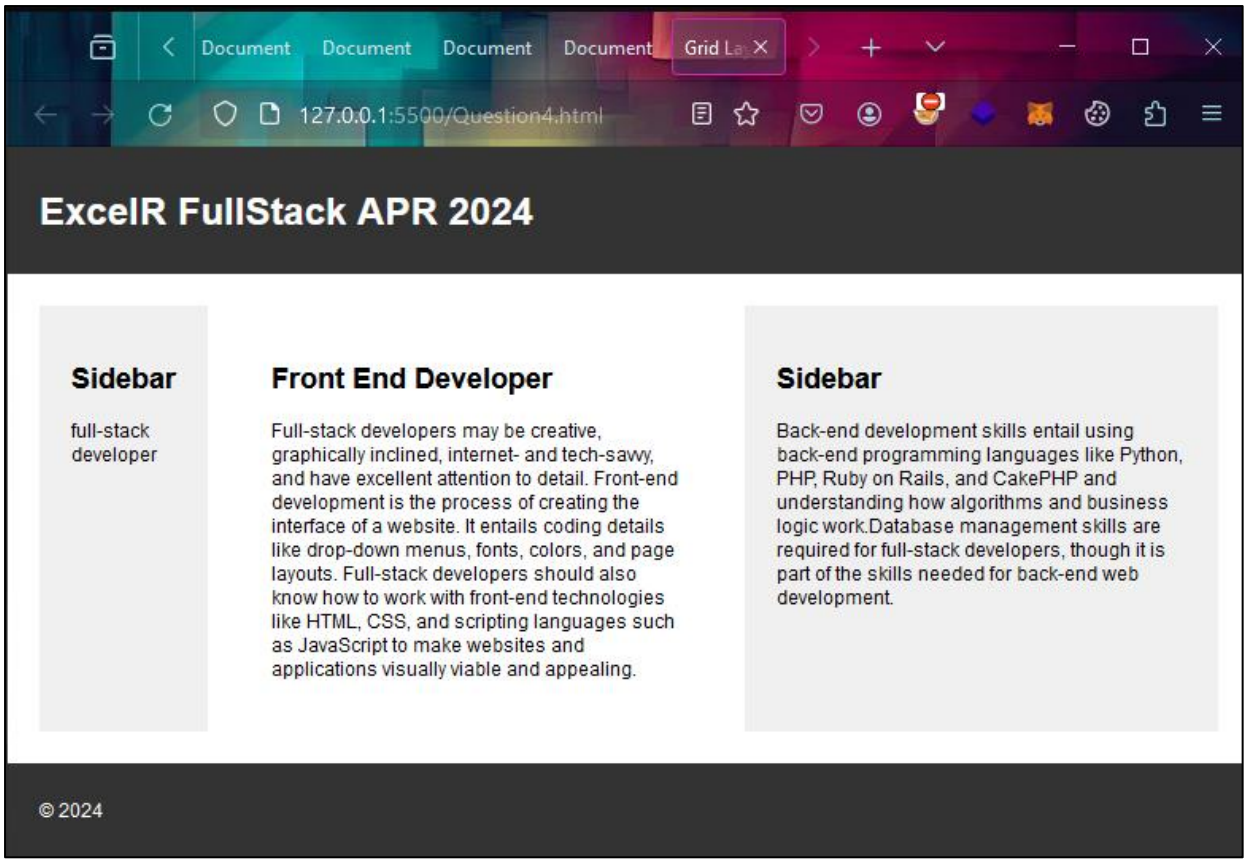
menus, fonts, colors, and page layouts. Full-stack developers should also know how to work with front-end technologies like HTML, CSS, and scripting languages such as JavaScript to make websites and applications visually viable and appealing.

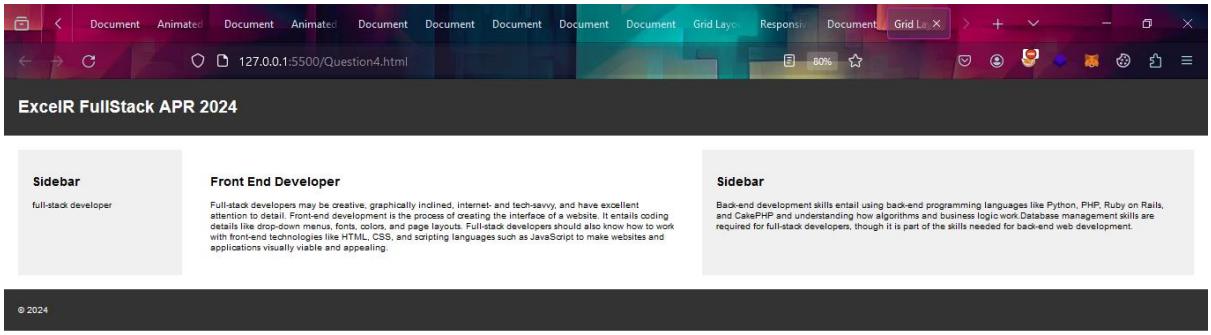
<h2>Sidebar</h2>
Back-end development skills entail using back-end programming languages like Python, PHP, Ruby on Rails, and CakePHP and understanding how algorithms and business logic work.Database management skills are required for full-stack developers,
though it is part of the skills needed for back-end web development.

<footer>
© 2024
</footer>
</body>

</html>

Output :



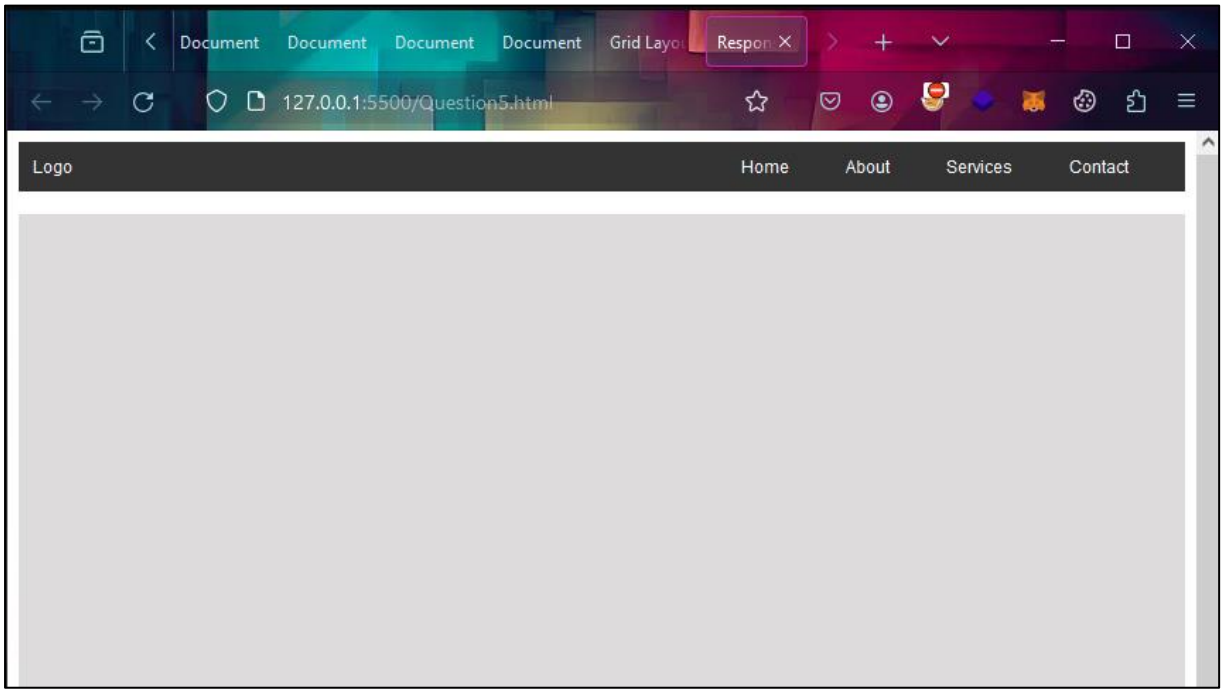


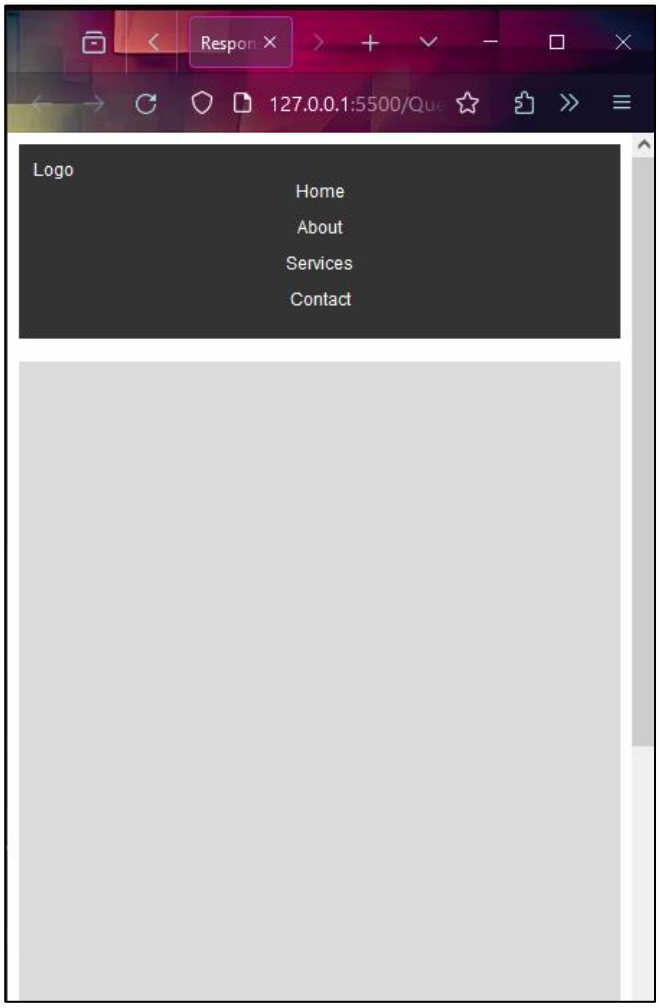
5) Write a program to create responsive menu using media queries css?

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Responsive Menu</title>
  <style>
    .menu {
      display: flex;
      justify-content: space-between;
      background-color: #333;
      color: #fff;
      padding: 10px;
      font-family: Arial, sans-serif;
    }

    .menu ul {
      list-style-type: none;
      margin: 0;
      padding: 0;
      display: flex;
    }

    .menu li {
      margin-right: 20px;
    }

    .menu a {
      text-decoration: none;
      color: #fff;
```

```
      padding: 5px 10px;
      transition: background-color 0.3s;
    }

    .content {
      background-color: rgb(221, 220, 220);
      height: 700px;
    }

    @media screen and (max-width: 768px) {
      .menu {
        flex-direction: column;
      }
      .menu ul {
        flex-direction: column;
        align-items: center;
      }
      .menu li {
        margin-right: 0;
        margin-bottom: 10px;
      }
    }
  </style>
</head>

<body>
  <div class="menu">
    <div class="logo">Logo</div>
    <ul>
      <li><a href="#">Home</a></li>
      <li><a href="#">About</a></li>
      <li><a href="#">Services</a></li>
      <li><a href="#">Contact</a></li>
    </ul>
  </div>
  <div class="content">
    <h1></h1>
  </div>
</body>

</html>
```

Output:


Document
Document
Document
Document
127.0.0.1:5500/Question5.html
Logo
Home
About
Services
Contact

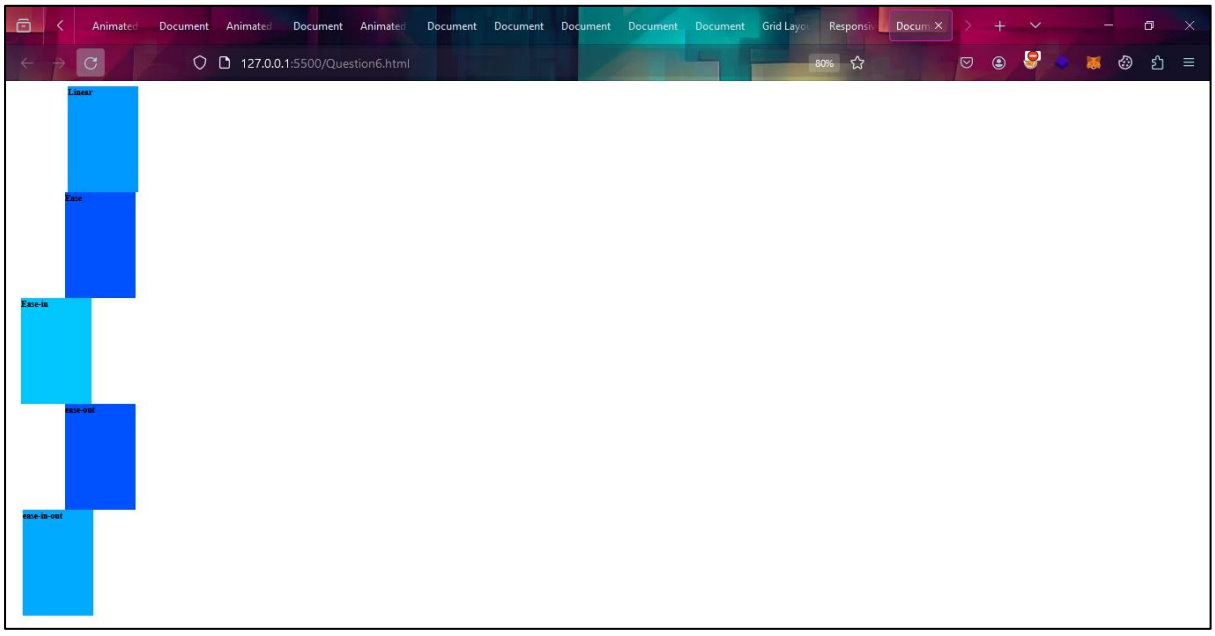

127.0.0.1:5500/Qu
Logo
Home
About
Services
Contact

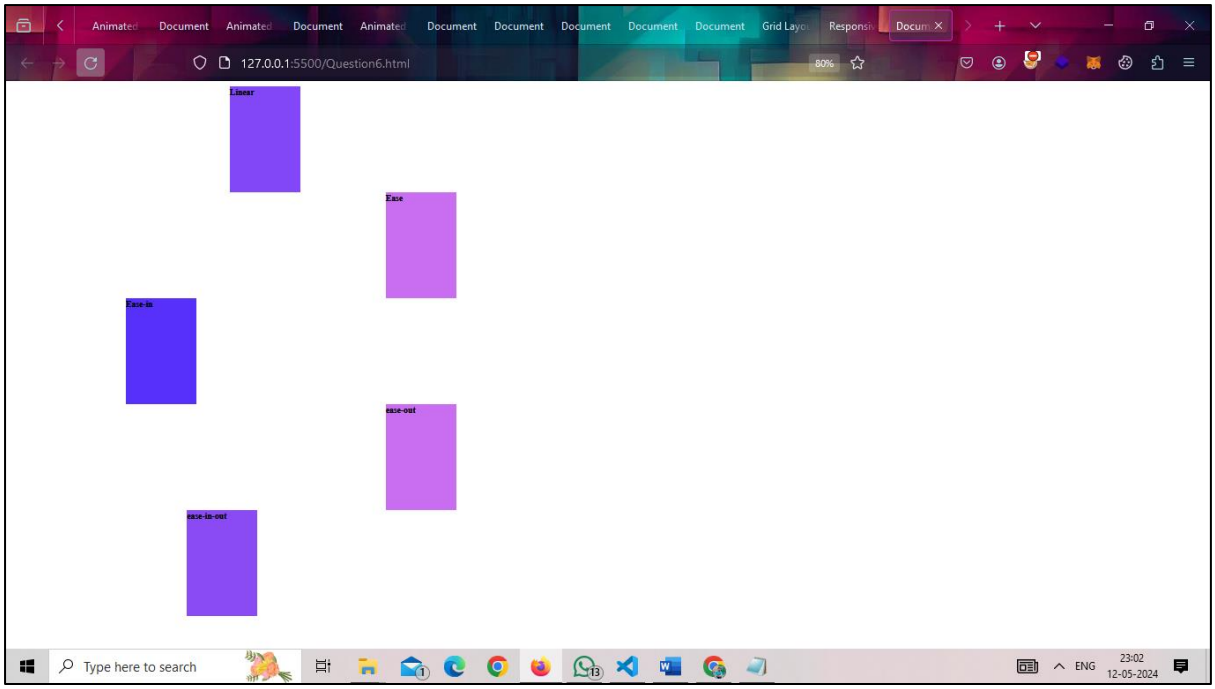
6) Write a program to animate a tile in CSS?

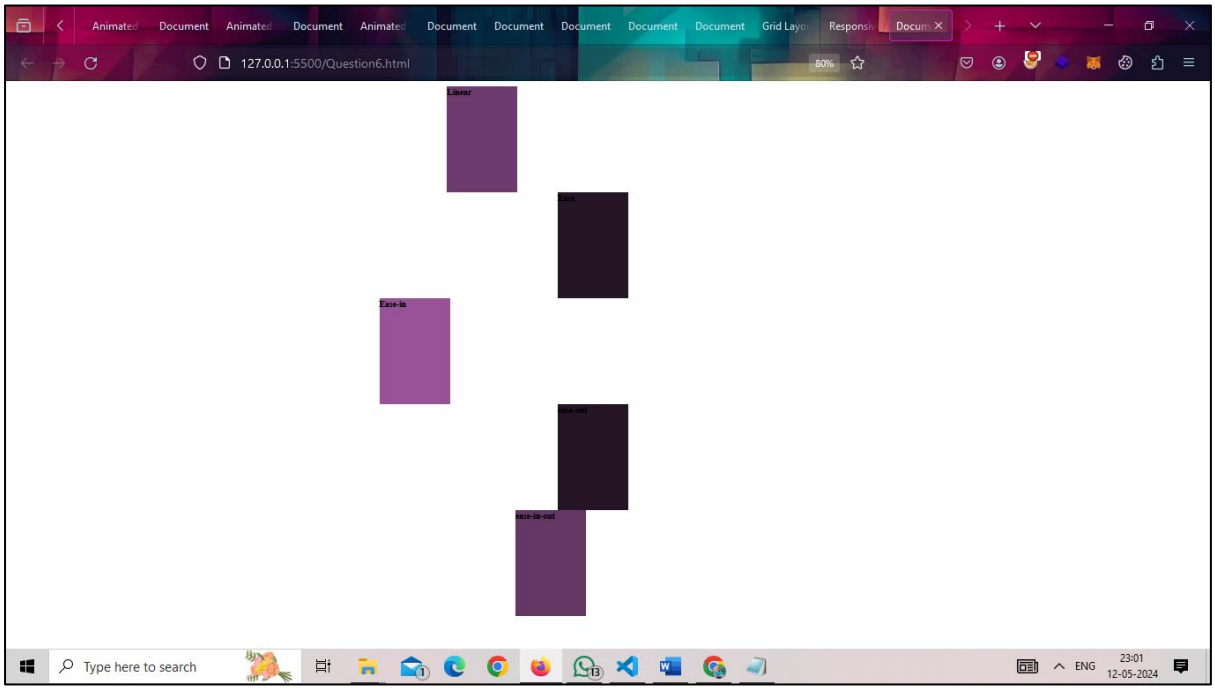
```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <style>
    div {
      width: 100px;
      height: 150px;
      background-color: aqua;
      font-weight: bold;
      position: relative;
      animation-name: demo;
      animation-duration: 10s;
      animation-fill-mode: forward;
      margin-left: 500px;
      animation: demo 5s linear 2s infininte alternate;
    }

    @keyframes demo {
      from {
        left: -500px;
      }
      to {
        left: 300px;
      }
      0% {
        background-color: aqua
      }
      25% {
        background-color: blue
      }
      50% {
        background-color: violet
      }
      100% {
        background-color: black
      }
    }

    #linear {
      animation-timing-function: linear;
    }
```

```
        #ease {
            animation-timing-function: ease;
        }

        #easein {
            animation-timing-function: ease-in;
        }
        #easeout {
            animation-timing-function: ease-out;
        }
        #easeinout {
            animation-timing-function: ease-in-out;
        }
    </style>
</head>

<body>
    <div id="linear">
        Linear
    </div>
    <div id="ease">Ease</div>
    <div id="easein">Ease-in</div>
    <div id="easeourt">ease-out</div>
    <div id="easeinout">ease-in-out</div>
</body>

</html>
```

Output :




127.0.0.1:5500/Question6.html
Linear
Ease
Ease-in
ease-out
ease-in-out
Type here to search
ENG
23:02
12-05-2024


127.0.0.1:5500/Question6.html
Linear
Ease
Ease-in
ease-out
ease-in-out
Type here to search
ENG
23:01
12-05-2024