Exercise – 4

W3Schools Code:

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

<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>w3 exer</title>
   <style>
     * {
        margin: 0;
        padding: 0;
        box-sizing: border-box;
     }

     .box {
        width: 100%;
        height: 100vh;
        display: flex;
        justify-content: center;
        align-items: center;
        background-color: white;
     }

     .blah {
        width: 100px;
```

```css
    height: 100px;

    background-color: orange;

    position: relative;

    top: 0;

    left: 0;

    animation: move 7s infinite;

    animation-delay: 3s;

    border-radius: 20px;

}


@keyframes move {
    0% {

        background-color: orange;

        left: 0;

        transform: rotate(13deg);

    }


    25% {

        left: 310px;

        transform: rotate(13deg);

    }


    50% {

        left: 400px;

        transform: rotate(0deg);

    }


    60% {

        background-color: greenyellow;
```

```
            }

        75% {
            left: 0;
        }

        100% {
            left: 0;
            transform: rotate(-360deg);
        }
    }

    .text {
        font-size: 20px;
        color: white;
        text-align: center;
        padding-top: 40px;
        font-family: Georgia, 'Times New Roman', Times, serif;
    }
    </style>
</head>

<body>
    <div class="box">
        <div class="blah">
            <div class="text">CSS</div>
        </div>
    </div>
</body>
```

</html>

Output:

Problem 2:

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ras</title>
    <style>
        body {
            background-color: white;
```

```css
    display: flex;

    justify-content: center;

    align-items: center;

    min-height: 100vh;

    margin: 0;

    overflow: hidden;
}


.container {

    width: 200px;

    height: 200px;

    position: relative;
}


.square {

    width: 50px;

    height: 50px;

    background-color: white;

    position: absolute;

    top: 0;

    left: 0;

    animation: squarePath 8s linear infinite;
}


.square::before {

    content: '';

    position: absolute;

    top: 0;

    left: 0;
```

```css
    width: 100%;

    height: 100%;

    background-color: blue;

    animation: rotate 2s linear infinite;

}


@keyframes squarePath {

    0% {

        top: 0;

        left: 0;

        transform: translate(0, 0);

    }

    25% {

        top: 0;

        left: 150px;

        transform: translate(0, 0);

    }

    50% {

        top: 150px;

        left: 150px;

        transform: translate(0, 0);

    }

    75% {

        top: 150px;

        left: 0;

        transform: translate(0, 0);

    }

    100% {

        top: 0;
```

```
        left: 0;

        transform: translate(0, 0);

      }

    }


    @keyframes rotate {

      0% {

        transform: rotate(0deg);

      }

      100% {

        transform: rotate(360deg);

      }

    }

  </style>

</head>

<body>

  <div class="container">

    <div class="square"></div>

  </div>

</body>

</html>
```

Output:

Problem 3:

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>jv</title>
    <style>
        * {
            margin: 0;
            padding: 0;
            box-sizing: border-box;
            background-color: white;
        }
```

```css
.container {

    display: flex;

    justify-content: center;

    align-items: center;

    height: 100vh;

    position: relative;

}


.square {

    position: absolute;

    width: 120px;

    height: 120px;

    background-color: blue;

    opacity: 0.8;

}


.s1 { animation: rotate 5s linear infinite; }

.s2 { animation: rotate 5s linear infinite 0.2s; }

.s3 { animation: rotate 5s linear infinite 0.4s; }

.s4 { animation: rotate 6s linear infinite 0.6s; }

.s5 { animation: rotate 6s linear infinite 0.8s; }

.s6 { animation: rotate 6s linear infinite 1s; }

.s7 { animation: rotate 7s linear infinite 1.2s; }

.s8 { animation: rotate 7s linear infinite 1.4s; }


@keyframes rotate {

    from {

        transform: rotate(0deg);
```
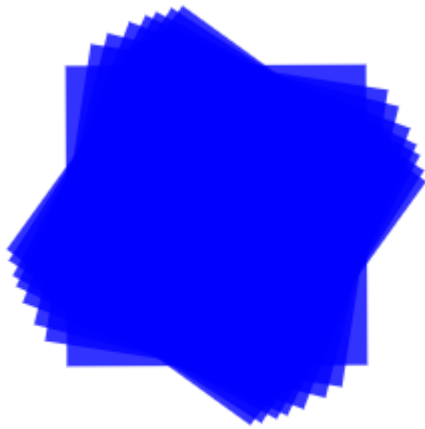
```
            }
            to {
                transform: rotate(360deg);
            }
        }
    </style>
</head>
<body>
    <div class="container">
        <div class="square s1"></div>
        <div class="square s2"></div>
        <div class="square s3"></div>
        <div class="square s4"></div>
        <div class="square s5"></div>
        <div class="square s6"></div>
        <div class="square s7"></div>
        <div class="square s8"></div>
    </div>
</body>
</html>
```

Output:

Problem 4:

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Web Programming Basics</title>
  <style>
    body {
      font-family: sans-serif;
      margin: 0;
      display: flex;
      flex-direction: column;
      min-height: 100vh;
    }

    header {
```

```css
    background-color: #f05050;

    color: white;

    padding: 20px;

    text-align: center;
}


nav {

    background-color: #3399ff;

    padding: 10px;
}


nav ul {

    list-style: none;

    margin: 0;

    padding: 0;

    display: flex;

    justify-content: center;
}


nav li {

    margin: 0 10px;
}


nav a {

    color: white;

    text-decoration: none;
}


main {
```

```css
    display: flex;

    padding: 20px;

    flex: 1;
}


.content-wrapper {

    display: flex;

    flex-direction: column;

    flex: 2;

    box-sizing: border-box;
}


#main-section {

    background-color: #00cc66;

    color: white;

    padding: 20px;

    flex: 1;

    box-sizing: border-box;
}


#article-section {

    background-color: #9933cc;

    color: white;

    padding: 20px;

    margin-top: 20px;

    box-sizing: border-box;

    flex: 1;
}
```

```css
    aside {

      background-color: #ff9900;

      color: white;

      padding: 20px;

      flex: 1;

      box-sizing: border-box;

      margin-left: 20px;

    }


    footer {

      background-color: #333;

      color: white;

      padding: 20px;

      text-align: center;

    }
  </style>
</head>
<body>

  <header>
    <h1>Web Programming</h1>
    <nav>
      <ul>
        <li><a href="#">Home</a></li>
        <li><a href="#">About</a></li>
        <li><a href="#">Contact</a></li>
      </ul>
    </nav>
  </header>
```

```html
<main>
    <div class="content-wrapper">  <section id="main-section">
        <h2>Main Section</h2>
        <p>This is the main content of the page.</p>
    </section>


    <section id="article-section">
        <h3>Article</h3>
        <p>This is a standalone article related to the main content.</p>
    </section>
    </div>


    <aside>
        <h3>Sidebar</h3>
        <p>This is the sidebar, containing related links or ads.</p>
    </aside>
</main>


<footer>
    <p>&copy; 2025 Your Company. All rights reserved.</p>
</footer>


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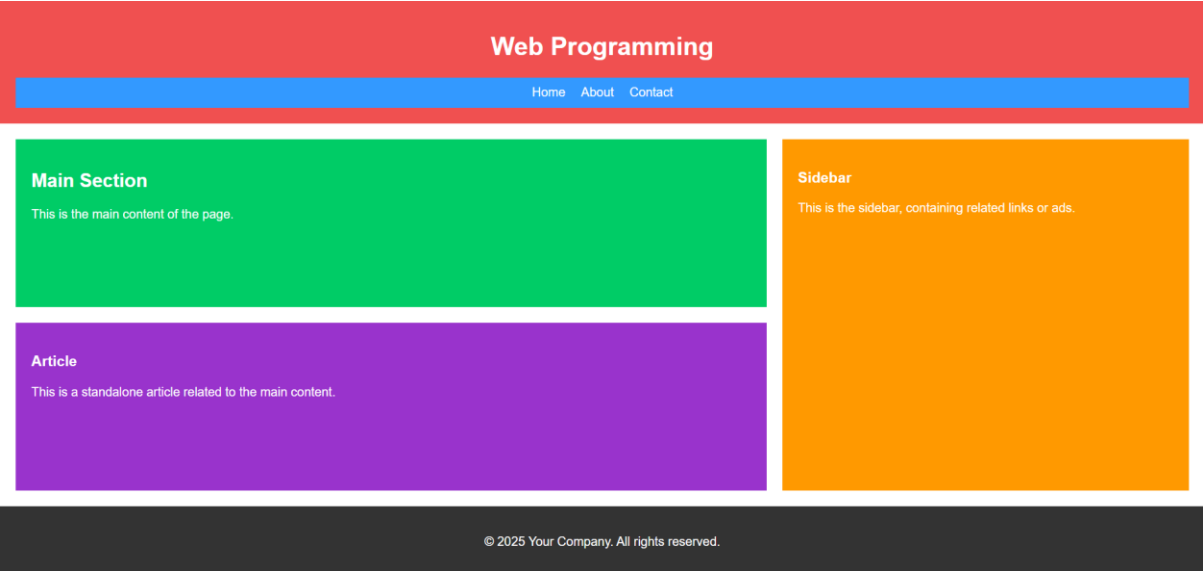
Output:

Done By: Yagav Akhilesh S R (23BRS1408)