```
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Web Exercise-4
1)
Code:
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Animation</title>
  <style>
    body {
      display: flex;
      align-items: center;
      height: 50vh;
      margin: 0;
    }
    div {
      width: 200px;
      height: 100px;
      border: 5px solid black;
      border-radius: 25px;
      background-color: pink;
      position: relative;
      animation: mymove 5s infinite;
    }
    @keyframes mymove {
```

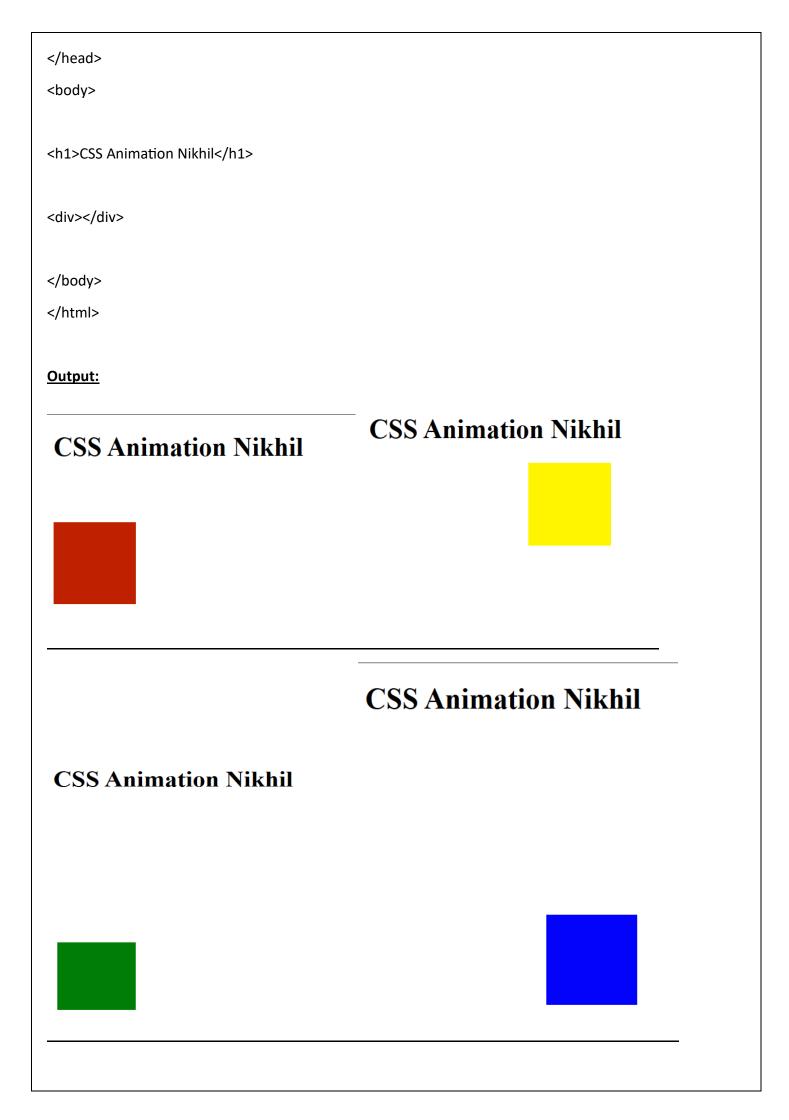
```
0% {
        transform: translateX(0) rotateZ(0deg);
      }
      10% {
        transform: translateX(0) rotateZ(30deg);
      }
      50% {
        transform: translateX(1000px) rotateZ(0deg);
        background-color: aquamarine;
      }
      100% {
        transform: translateX(0) rotateZ(-360deg);
        background-color: violet;
      }
    }
  </style>
</head>
<body>
  <div>
    <h1 style="text-align: center;">CSS</h1>
  </div>
</body>
</html>
Output:
```

CSS

CSS

CSS

```
2)
Code:
<!DOCTYPE html>
<html>
<head>
<style>
div {
width: 100px;
height: 100px;
background-color: red;
position: relative;
animation-name: example;
animation-duration: 4s;
animation-iteration-count: infinite;
}
@keyframes example {
0% {background-color:red; left:0px; top:0px;}
25% {background-color:yellow; left:200px; top:0px;}
50% {background-color:blue; left:200px; top:200px;}
75% {background-color:green; left:0px; top:200px;}
 100% {background-color:red; left:0px; top:0px;}
}
</style>
```



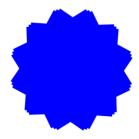
```
3)
```

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Rotating Structure</title>
  <style>
    .structure {
      position: absolute;
      top: 200px;
      left: 200px;
      width: 200px;
      height: 200px;
      animation: rotate 4s linear infinite;
    }
    .box {
      width: 200px;
      height: 200px;
      background-color: blue;
      position: absolute;
    }
    .box1 { transform: rotate(0deg); }
    .box2 { transform: rotate(-3deg); }
    .box3 { transform: rotate(-6deg); }
    .box4 { transform: rotate(30deg); }
    .box5 { transform: rotate(27deg); }
    .box6 { transform: rotate(24deg); }
    .box7 { transform: rotate(60deg); }
```

```
.box8 { transform: rotate(57deg); }
    .box9 { transform: rotate(54deg); }
    @keyframes rotate {
      from { transform: rotateZ(Odeg); }
      to { transform: rotateZ(360deg); }
    }
  </style>
</head>
<body>
  <div class="structure">
    <div class="box box1"></div>
    <div class="box box2"></div>
    <div class="box box3"></div>
    <div class="box box4"></div>
    <div class="box box5"></div>
    <div class="box box6"></div>
    <div class="box box7"></div>
    <div class="box box8"></div>
    <div class="box box9"></div>
  </div>
</body>
</html>
```

Output:



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</title>
  <style>
    * {
      margin: 0;
      padding: 0;
      box-sizing: border-box;
    }
    body {
      font-family: Arial, sans-serif;
      background-color: #f4f4f4;
    }
    /* Header */
    header {
```

```
background-color: #ff6347;
  color: white;
  text-align: center;
  padding: 20px;
  font-size: 24px;
  font-weight: bold;
}
/* Navigation Bar */
nav {
  background-color: #3498db;
  padding: 10px;
  text-align: center;
}
nav a {
  color: white;
  text-decoration: none;
  margin: 15px;
  font-size: 18px;
  display: inline-block;
}
/* Main Container */
.container {
  width: 80%;
  margin: 20px auto;
  display: grid;
  grid-template-columns: 2fr 1fr;
  grid-template-rows: auto auto;
  gap: 10px;
}
```

```
/* Main Section */
.main-section {
  background-color: #2ecc71;
  color: white;
  padding: 20px;
  min-height: 150px;
  grid-column: 1;
  grid-row: 1;
}
/* Sidebar */
.sidebar {
  background-color: #e67e22;
  color: white;
  padding: 20px;
  min-height: 150px;
  grid-column: 2;
  grid-row: 1/3;
}
/* Article Section */
.article {
  background-color: #9b59b6;
  color: white;
  padding: 20px;
  grid-column: 1;
  grid-row: 2;
}
/* Footer */
footer {
```

```
background-color: #34495e;
      color: white;
      text-align: center;
      padding: 15px;
      margin-top: 10px;
    }
    /* Responsive Design */
    @media (max-width: 768px) {
      .container {
        display: flex;
        flex-direction: column;
      }
      .main-section, .sidebar, .article {
        width: 100%;
      }
    }
  </style>
</head>
<body>
  <header>Web Programming</header>
  <nav>
    <a href="#">Home</a>
    <a href="#">About</a>
    <a href="#">Contact</a>
  </nav>
  <div class="container">
    <section class="main-section">
```

```
<h2>Main Section</h2>
      This is the main content of the page.
    </section>
    <aside class="sidebar">
      <h2>Sidebar</h2>
      This is the sidebar, containing related links or ads.
    </aside>
    <section class="article">
      <h2>Article</h2>
      This is a standalone article related to the main content.
    </section>
  </div>
  <footer>&copy; 2025 Nikhil. All rights reserved.</footer>
</body>
</html>
```

Output:

