

EX 4

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1)CODE:

```
<!DOCTYPE html>

<html>

<head>

<title>Rotating and Moving Circle</title>

<style>

body {

display: flex;

justify-content: center;

align-items: center;

height: 100vh;

background-color: #222;

overflow: hidden;

}

.container {

position: relative;

width: 200px;

height: 200px;

}

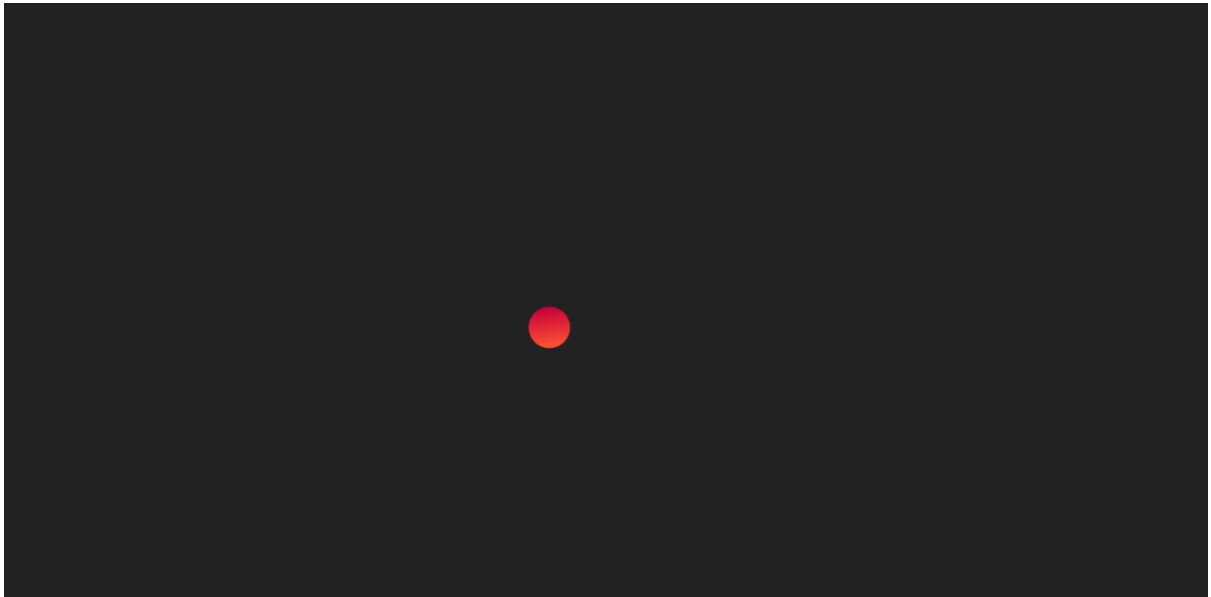
.circle {

width: 50px;
```

```
height: 50px;
background: linear-gradient(to right, #ff5733, #c70039);
border-radius: 50%;
position: absolute;
top: 0;
left: 0;
animation: rotate 2s linear infinite, moveSquare 4s linear infinite;
}
@keyframes rotate {
0% { transform: rotate(0deg); }
100% { transform: rotate(360deg); }
}
@keyframes moveSquare {
0% { top: 0; left: 0; }
25% { top: 0; left: 150px; }
50% { top: 150px; left: 150px; }
75% { top: 150px; left: 0; }
100% { top: 0; left: 0; }
}
</style>
</head>
<body>
<div class="container">
<div class="circle"></div>
</div>
</body>
```

</html>

OUTPUT:



2)CODE:

```
<!DOCTYPE html>
<html>
<head>
<title>Star</title>
<style>
body {
display: flex;
justify-content: center;
align-items: center;
height: 100vh;
background-color: white;
}
.starburst {
position: relative;
```

```
width: 150px;
height: 150px;
}
.bar {
position: absolute;
width: 100px;
height: 100px;
background-color: blue;
left: 50%;
top: 50%;
transform-origin: center;
}
/* Generating multiple layers with different rotations */
.bar:nth-child(1) { transform: rotate(0deg) translate(-50%, -50%); }
.bar:nth-child(2) { transform: rotate(5deg) translate(-50%, -50%); }
.bar:nth-child(3) { transform: rotate(10deg) translate(-50%, -50%); }
.bar:nth-child(4) { transform: rotate(40deg) translate(-50%, -50%); }
.bar:nth-child(5) { transform: rotate(45deg) translate(-50%, -50%); }
.bar:nth-child(6) { transform: rotate(50deg) translate(-50%, -50%); }
.bar:nth-child(7) { transform: rotate(80deg) translate(-50%, -50%); }
.bar:nth-child(8) { transform: rotate(85deg) translate(-50%, -50%); }
.bar:nth-child(9) { transform: rotate(90deg) translate(-50%, -50%); }
.bar:nth-child(10) { transform: rotate(120deg) translate(-50%, -50%); }
.bar:nth-child(11) { transform: rotate(125deg) translate(-50%, -50%); }
.bar:nth-child(12) { transform: rotate(130deg) translate(-50%, -50%); }
.bar:nth-child(13) { transform: rotate(160deg) translate(-50%, -50%); }
```

[illegible]

<div class="bar"></div>

<div class="bar"></div>

<div class="bar"></div>

<div class="bar"></div>

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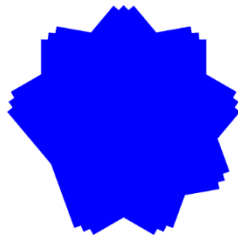
<div class="bar"></div>

<div class="bar"></div>

<div class="bar"></div>

```
<div class="bar"></div>
<div class="bar"></div>
<div class="bar"></div>
<div class="bar"></div>
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<div class="bar"></div>
<div class="bar"></div>
<div class="bar"></div>
<div class="bar"></div>
<div class="bar"></div>
</div>
</body>
</html>
```

OUTPUT:



3)CODE:

```
<!DOCTYPE html>
<html>
<head>
<title>Web Programming Layout</title>
<style>
body {
font-family: Arial, sans-serif;
margin: 20;
padding: 0;
box-sizing: border-box;
display: grid;
grid-template-rows: auto auto 1fr auto;
grid-template-columns: 1fr;
gap: 10px;
min-height: 100vh;
}
```



```
.header {  
background-color: #f04e3e;  
color: white;  
text-align: center;  
padding: 20px;  
font-size: 24px;  
font-weight: bold;  
}  
.nav {  
background-color: #3498db;  
display: flex;  
justify-content: flex-start;  
padding: 10px;  
gap: 15px;  
}  
.nav a {  
color: white;  
text-decoration: none;  
padding: 10px 15px;  
font-weight: bold;  
}  
.nav a:hover {  
background-color: #2980b9;  
}  
.content {  
margin: none;
```

```
display: grid;
grid-template-columns: 2fr 1fr;
grid-template-areas:
'maina maina maina sidebara'
'articlea articlea articlea sidebara';
gap: 10px;
padding: 20px;
}

.main {
margin: none;
background-color: #2ecc71;
padding: 20px;
color: white;
font-weight: bold;
grid-area: maina;
}

.sidebar {
margin: none;
background-color: #e67e22;
padding: 20px;
color: white;
font-weight: bold;
grid-template-columns: css;
grid-area: sidebara;
}

.article {
```

```
margin: none;
background-color: #8e44ad;
padding: 20px;
color: white;
font-weight: bold;
grid-area: articlea;
}
.footer {
background-color: #2c3e50;
color: white;
text-align: center;
padding: 15px;
}
p {
font-weight: 100;
}
@media (max-width: 768px) {
.content {
grid-template-columns: 1fr;
}
}
</style>
</head>
<body>
<div class="header">Web Programming</div>
<div class="nav">
```

```
<a href="#">Home</a>
<a href="#">About</a>
<a href="#">Contact</a>
</div>

<div class="content">
  <div class="main">
    <h2>Main Section</h2>
    <p>This is the main content of the page.</p>
  </div>
  <div class="sidebar">
    <h2>Sidebar</h2>
    <p>This is the sidebar, containing related links or ads.</p>
  </div>
  <div class="article">
    <h2>Article</h2>
    <p>This is a standalone article related to the main content.</p>
  </div>
</div>

<div class="footer">
  © 2025 Your Company. All rights reserved.
</div>
</body>
</html>
```

OUTPUT:

Main Section

This is the main content of the page.

Sidebar

This is the sidebar, containing related links or ads.

Article

This is a standalone article related to the main content.