

QN1)

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>
```

```
  <link rel="stylesheet" href="style.css">
```

```
</head>
```

```
<body>
```

```
  <div class="square" >
```

```
    CSS
```

```
  </div>
```

```
</body>
```

CSS:

```
body{
```

```
  display: flex;
```

```
  padding:0px;
```

```
  margin:10px;
```

```
}
```

```
.square{
```

```
  background-color: rgb(123, 190, 22);
```

```
height: 50px;
width: 80px;
text-align: center;
font-size: 20px;
color: azure;
animation: anim1 5s linear ;
border-radius: 10px;
justify-content: center;
align-items: center;
display: flex;

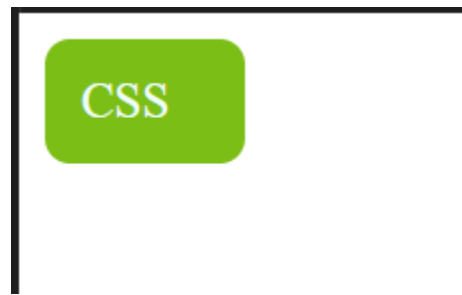
}

@keyframes anim1 {
  0%{
    transform: rotate(0deg);

  }
  25%{
    transform: rotate(20deg);
  }
  50%{
    transform: translate(500px, 0) rotate(0deg);
  }
  55%{
    transform: translate(500px, 0) rotate(0deg);
```

```
}  
70%{  
    background-color: aqua;  
    transform: translate(500px,0) rotate(0deg);  
}  
100%{  
    transform: translate(0,0) rotate(-360deg);  
}  
}
```

Output:



QN2) Infinite circle forming a square path

HTML:

```
<!DOCTYPE html>  
<html>  
<head>  
    <link rel="stylesheet" href="style.css">  
</head>  
<body>  
  
    <div class="container"> </div>
```

```
</div>
</body>
</html>
```

CSS:

```
@keyframes moveSquare {
  0% { top: 20%; left: 20%; }
  25% { top: 20%; left: 80%; }
  50% { top: 80%; left: 80%; }
  75% { top: 80%; left: 20%; }
  100% { top: 20%; left: 20%; }
}
```

```
@keyframes rotateBorder {
  0% { transform: rotate(0deg); }
  100% { transform: rotate(360deg); }
}
```

```
.container {
  background-color: blue;
  width: 3vw;
  height: 3vw;
  border-radius: 50%;
  position: absolute;
  top: 50%;
```

```
left: 50%;  
transform: translate(-50%, -50%);  
animation: moveSquare 6s linear infinite, rotateBorder 2s linear infinite;  
}
```



QN3)

HTML CODE:

```
<!DOCTYPE html>  
<html lang="en">  
<head>  
  <meta charset="UTF-8">  
  <meta name="viewport" content="width=device-width, initial-scale=1.0">  
  <title>12-Sided Star with Overlapping Square</title>  
  <link rel="stylesheet" href="style.css">  
</head>  
<body>  
  <div class="star-container">
```

```
<div class="star star-1"></div>
<div class="star star-2"></div>
<div class="star star-3"></div>
<div class="square"></div>
</div>
</body>
</html>
```

CSS CODE:

```
body {
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
  background-color: white;
}
```

```
.star-container {
  position: relative;
  width: 120px;
  height: 120px;
}
```

```
.star {
  position: absolute;
  width: 120px;
```

```
height: 120px;  
background-color: blue;  
}
```

```
.star::before,  
.star::after {  
    content: "";  
    position: absolute;  
    width: 120px;  
    height: 120px;  
    background-color: blue;  
}
```

```
.star::before {  
    transform: rotate(30deg);  
}
```

```
.star::after {  
    transform: rotate(-30deg);  
}
```

```
.star-1 {  
    transform: rotate(15deg);  
}
```

```
.star-2 {
```

```
    transform: rotate(20deg);  
}
```

```
.star-3 {  
    transform: rotate(25deg);  
}
```

```
.square {  
    position: absolute;  
    width: 120px;  
    height: 120px;  
    background-color: blue;  
    top: 50%;  
    left: 50%;  
    transform: translate(-50%, -50%) rotate(30deg);  
}
```

OUTPUT:



QN4)HTML:

```
<!DOCTYPE html>
```

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

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Problem 4</title>
```

```
  <link rel="stylesheet" href="style.css">
```

```
</head>
```

```
<body>
```

```
  <div class="container">
```

```
    <div class="title"><h1>WEB PROGRAMMING</h1></div>
```

```
    <div class="b">
```

```
      <a href="#">Home</a>
```

```
      <a href="#">About</a>
```

```
      <a href="#">Contact</a>
```

```
    </div>
```

```
    <div class="main-body">
```

```
      <div class="main">
```

```
        <h3>Main Section</h3>
```

```
        <p>This is the main content of the page</p>
```

```
      </div>
```

```
<div class ="article">
```

```
<h3>Article</h3>
```

```
<p>This is a standalone article to the main content.</p>
```

```
</div>
```

```
<div class ="sidebar">
```

```
<h3>Sidebar</h3>
```

```
<p>This is the sidebar , containing related links or ads</p>
```

```
</div>
```

```
</div>
```

```
<div class ="last-part"><p>2025 your Company. All rights reserved.</p></div>
```

```
</div>
```

```
</body>
```

```
</html>
```

CSS:

```
{
```

```
margin:0;
```

```
padding:0;
```

```
color:white;
```

```
font-weight: 700;
```

```
}
```

```
body{
```

```
width: 100%;
```

```
height:100vh;
```

```
}
```

```
.container{  
  width: 98%;  
  height:97vh;  
  padding:1% 1%;  
  display:flex;  
  flex-direction: column;  
  justify-content: space-between;  
}
```

```
.main-body{  
  display: grid;  
  height:45vh;  
  grid-template-areas:  
    "m m m sb"  
    "a a a sb";  
  gap: 1vh;  
}
```

```
.title{  
  width:100%;  
  height: 25vh;  
  display: flex;  
  justify-content: center;  
  align-items: center;  
  color:white;  
  background-color:rgba(255, 0, 0, 0.729);
```

```
}
```

```
.b{
```

```
  height:10vh;
```

```
  background-color: rgb(51, 170, 217);
```

```
  display: flex;
```

```
  align-items: center;
```

```
  padding: 0 2%;
```

```
}
```

```
.b a {
```

```
  text-decoration: none;
```

```
  padding:1% 2%;
```

```
  width:fit-content;
```

```
}
```

```
.main{
```

```
  grid-area: m;
```

```
  background-color: #4cca25aa;
```

```
}
```

```
.main-body > *{
```

```
  padding:2vh;
```

```
  display: flex;
```

```
  justify-content: space-around;
```

```
  align-items: left;
```

```
  flex-direction: column;
```

```
}  
  
.article{  
    grid-area: a;  
    background-color: rgb(174, 24, 174);  
}  
  
.sidebar{  
    grid-area: sb;  
    gap:10%;  
    padding:5% 5%;  
    justify-content:initial;  
    background-color: orange;  
}  
  
.last-part{  
  
    display: flex;  
    justify-content: center;  
    align-items: center;  
    height:10vh;  
    background-color: gray;  
}
```

WEB PROGRAMING

[Home](#) [About](#) [Contact](#)

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 to the main content.

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