Program 14:
Create a web page to show newspaper layout effects on contents given in web page (i.e. in multiple columns).

HTML Code:

```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>
  <style>
    body{
      border: 5px solid black;
      padding: 20px;
      margin: 20px;
    }
    p{
      column-count: 3;
    }
  </style>
</head>
<body>
  <p>
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  </p>
  <pre>Name: Priyanshu Negi  Student Id:22011884  Sem: 6th  Sec: C1</pre>
</body>
</html>
```

Output:

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dolorem ipsam molestiae possimus tempore provident consequatur repellat officiis laborum eos, soluta facilis corrupti? Architecto, nisi reprehenderit suscipit odit, doloribus possimus quos amet dolorem unde autem incidunt dolores quo totam fugiat. Corporis?

Name: Priyanshu Negi   Student Id:22011884   Sem: 6th   Sec: C1

Program 15:
Create a web page to show transition effect in such a way so that elements gradually
change from one style to another style

HTML Code:

```
<!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>
    body{
      border: 5px solid black;
      padding: 20px;
      margin: 20px;
    }
    .transition:hover{
      width: 300px;
      font-size: larger;
      transition: width 2s, font-size 2s;
    }
  </style>
</head>
<body>
  <p>
    Transition is the process of changing from one state to another of an element
  </p>
  <p>Eg. </p>
  <div class="transition">Watch the size.</div>
  <pre>Name: Priyanshu Negi  Student Id:22011884  Sem: 6th  Sec: C1</pre>
</body>
</html>
```

Output:

Transition is the process of changing from one state to another of an element

Eg.

Watch the size.

```
Name: Priyanshu Negi   Student Id:22011884   Sem: 6th   Sec: C1
```
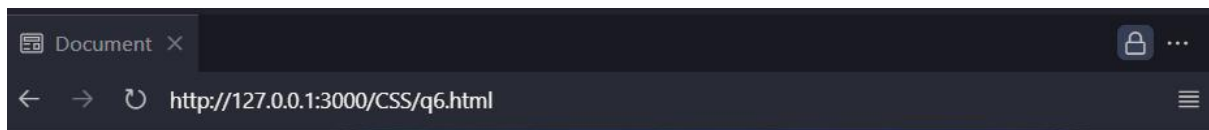
Transition is the process of changing from one state to another of an element

Eg.

Watch the size.

```
Name: Priyanshu Negi   Student Id:22011884   Sem: 6th   Sec: C1
```

Program 16:
Create a web page to show fixed background image (this image will not scroll with the rest of the page).

HTML Code:

```
<!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>
    body{
      border: 5px solid black;
      padding: 20px;
      margin: 20px;
      background-image: url("fixed.webp");
      background-attachment: fixed;
      background-size: cover;
    }
  </style>
</head>
<body>
  <p>
    This is a web page with a fixed background image. Scroll down to see the effect.
  </p>
  <p>
    Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.
  </p>
  <p>
    Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.
  </p>
  <p>
    Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.
  </p>
  <p>
    Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.
  </p>
  <pre>Name: Priyanshu Negi  Std.Id: 22011884  Sem: 6th  Sec: C1</pre>

</body>
</html>
```

Output:

This is a web page with a fixed background image. Scroll down to see the effect.

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Name: Priyanshu Negi   Std.Id: 22011884   Sem: 6th   Sec: C1

Program 17:
Create a web page to position a background image and repeat the image horizontally or vertically.

HTML Code:

```
<!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>
    body {
      border: 5px solid black;
      margin: 20px;
      padding: 20px;
      font-size: 20px;
      font-family: Arial, sans-serif;
      background-image: url('img.webp');
      background-attachment: fixed;
      background-repeat: repeat;
      background-size: 250px 250px;
    }
    abc.h1
    {
      text-align: center;
      column-span: all;
      color: white;
      background-color: black;
      padding: 10px;
    }
  </style>
</head>

<body>
  <h1>Starting</h1>
  <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Porro adipisci quis, accusamus similique aut numquam, asperiores earum dicta iure exercitationem at consectetur neque. Ipsa, qui incidunt? Exercitationem error eaque quo.</p>
  <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Porro adipisci quis, accusamus similique aut numquam, asperiores earum dicta iure exercitationem at consectetur neque. Ipsa, qui incidunt? Exercitationem error eaque quo.</p>
  <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Porro adipisci quis, accusamus similique aut numquam, asperiores earum dicta iure exercitationem at consectetur neque. Ipsa, qui incidunt? Exercitationem error eaque quo.</p>
```

```html
    <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Porro adipisci quis, accusamus similique aut numquam, asperiores earum dicta iure exercitationem at consectetur neque. Ipsa, qui incidunt? Exercitationem error eaque quo.</p>
    <pre>Name: Priyanshu Negi   Std.Id: 22011884   Sem: 6th   Sec: C1</pre>
</body>

</html>
```

Output:

Program 18:

Create an HTML page to demonstrate all types of CSS position properties (static, relative, absolute, fixed, and sticky).

HTML Code:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>CSS Position Properties</title>
  <style>
    body {
      border: 5px solid black;
      margin: 20px;
      padding: 20px;
      font-family: Arial, sans-serif;
    }
    .static {
      position: static;
      background-color: lightblue;
      padding: 10px;
      margin-bottom: 10px;
    }
    .relative {
      position: relative;
      top: 20px;
      left: 20px;
      background-color: lightgreen;
      padding: 10px;
      margin-bottom: 10px;
    }
    .absolute-container {
      position: relative;
      height: 200px;
      background-color: lightgray;
      margin-bottom: 10px;
    }
    .absolute {
      position: absolute;
      top: 50px;
      left: 50px;
      background-color: lightcoral;
      padding: 10px;
    }
    .fixed {
      position: fixed;
```

```
      top: 10px;
      right: 10px;
      background-color: lightgoldenrodyellow;
      padding: 10px;
    }
    .sticky {
      position: sticky;
      top: 0;
      background-color: lightpink;
      padding: 10px;
      margin-bottom: 10px;
    }
  </style>
</head>
<body>
  <h1>CSS Position Properties</h1>
  <div class="sticky">This is a sticky positioned element. Scroll down to see the effect.</div>
  <p>Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.</p>
  <p>Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.</p>
  <p>Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.</p>
  <p>Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.</p>
  <p>Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.</p>
  <p>Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.</p>
  <div class="static">This is a static positioned element (default).</div>
  <div class="relative">This is a relative positioned element.</div>
  <div class="absolute-container">
    <div class="absolute">This is an absolute positioned element.</div>
  </div>
  <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p>
  <p>Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.</p>
  <p>Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.</p>
  <p>Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.</p>
  <div class="fixed">This is a fixed positioned element.</div>
  <pre>Name: Priyanshu Negi  Std.Id: 22011884  Sem: 6th  Sec: C1</pre>
</body></html>
```

Output:

▦ |	M Gmail	▶ YouTube	🗺 Maps	🔤 Translate

This is a sticky positioned element. Scroll down to see the effect.

This is a fixed positioned element.

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Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

This is a static positioned element (default).

This is a relative positioned element.

This is an absolute positioned element.

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Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Name: Priyanshu Negi   Std.Id: 22011884   Sem: 6th   Sec: C1

Program 19:

Design a web page using CSS which includes the following:

  i.   Use different font styles
  ii.   Set background image for both the page and single elements on page.
  iii. Control the repetition of image with background-repeat property
  iv.   Define style for links as a:link, a:active, a:hover, a:visited
  v.   Add customized cursors for links.
  vi.   Work with layers.

HTML Code:

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Web Page using CSS</title>
  <style>
    body {
      border: 5px solid black;
      padding: 20px;
      margin: 20px;
      font-family: Arial, sans-serif;
      background: url('repeat.jpg') no-repeat center center fixed;
      background-size: cover;
    }

    .header {
      text-align: center;
      font-size: 24px;
      font-weight: bold;
      margin-top: 10px;
    }

    a {
      color: blue;
      text-decoration: none;
      font-weight: bold;
    }

    a:hover {
      color: red;
      text-decoration: underline;
      cursor: pointer;
    }

    a:visited {
      color: purple;
```

```css
}

a:active {
    color: green;
}
.image-container {
    width: 300px;
    height: 200px;
    background: url('img.webp') no-repeat center;
    background-size: cover;
    margin: 20px auto;
}

.layer {
    font-size: 30px;
    font-weight: bold;
    position: absolute;
}

.layer1 {
    top: 300px;
    left: 50%;
    color: red;
    width: 220px;
    font-size: 50px;
    height: 100px;
    transform: translateX(-50%);
    z-index: 1;
}

.layer2 {
    top: 330px;
    left: 50%;
    color: blue;
    transform: translateX(-50%);
    z-index: 2;
}
.layer_a {
    font-size: 30px;
    font-weight: bold;
    position: absolute;
}

.layer3 {
    top: 400px;
    left: 50%;
    color: red;
```

```css
        width: 220px;
        font-size: 50px;
        height: 100px;
        z-index: 2;
    }

    .layer4 {
        top: 430px;
        left: 50%;
        color: blue;
        z-index: 1;
    }
</style>
</head>
<body>
    <div class="header">
        <h1>Web Page using CSS</h1>
    </div>
    <div>
        Welcome to this page using CSS! We are applying different fonts, background styles,
and layers.
    </div>
    <div class="content">
        <p><a href="#">Register</a></p>
        <div class="image-container"></div>
    </div>
    <div class="layer layer1">LAYER 1</div>
    <div class="layer layer2">LAYER 2</div>
    <div class="layer_a layer3">LAYER 2</div>
    <div class="layer_a layer4">LAYER 1</div>
    <pre>Name: Priyanshu Negi  Std.Id: 22011884  Sem: 6th  Sec: C1</pre>

</body>
</html>
```

Output: