**Program 14:**

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

**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;

        }

        p{

            column-count: 3;

        }

    </style>

</head>

<body>

    <p>

        Lorem ipsum dolor sit amet consectetur adipisicing elit. Consectetur iure sapiente voluptatem placeat non labore possimus quasi dolore excepturi voluptatibus ipsam, distinctio a porro minus inventore illum harum asperiores, omnis eius doloremque fuga. Ut ex id explicabo culpa omnis odio ullam eum, aspernatur excepturi necessitatibus nulla unde nam laudantium? Placeat reprehenderit adipisci hic porro vitae recusandae optio quos? Asperiores accusantium saepe veritatis repudiandae reprehenderit commodi blanditiis, architecto vel 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?

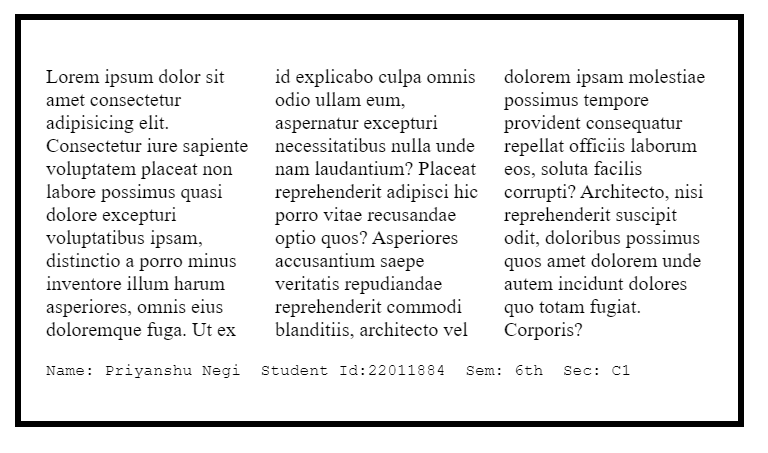
    </p>

    <pre>Name: Priyanshu Negi  Student Id:22011884  Sem: 6th  Sec: C1</pre>

</body>

</html>

**Output:**

****

**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>

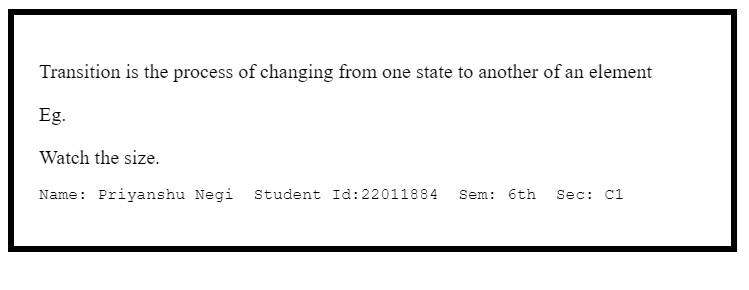
    <div *class*="transition">Watch the size.</div>

    <pre>Name: Priyanshu Negi  Student Id:22011884  Sem: 6th  Sec: C1</pre>

</body>

</html>

**Output:**

****

**A close-up of a card

AI-generated content may be incorrect.**

**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.

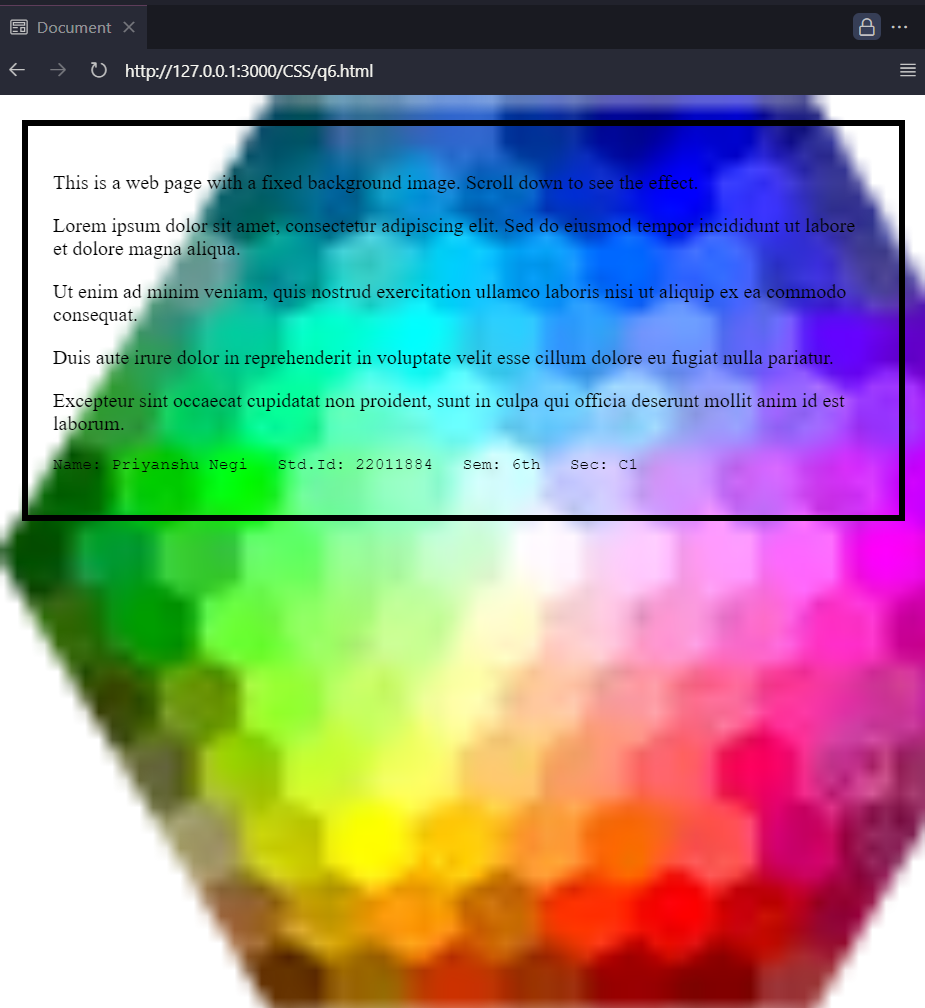
    </p>

    <pre>Name: Priyanshu Negi   Std.Id: 22011884   Sem: 6th   Sec: C1</pre>

</body>

</html>

**Output:**

****

**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>

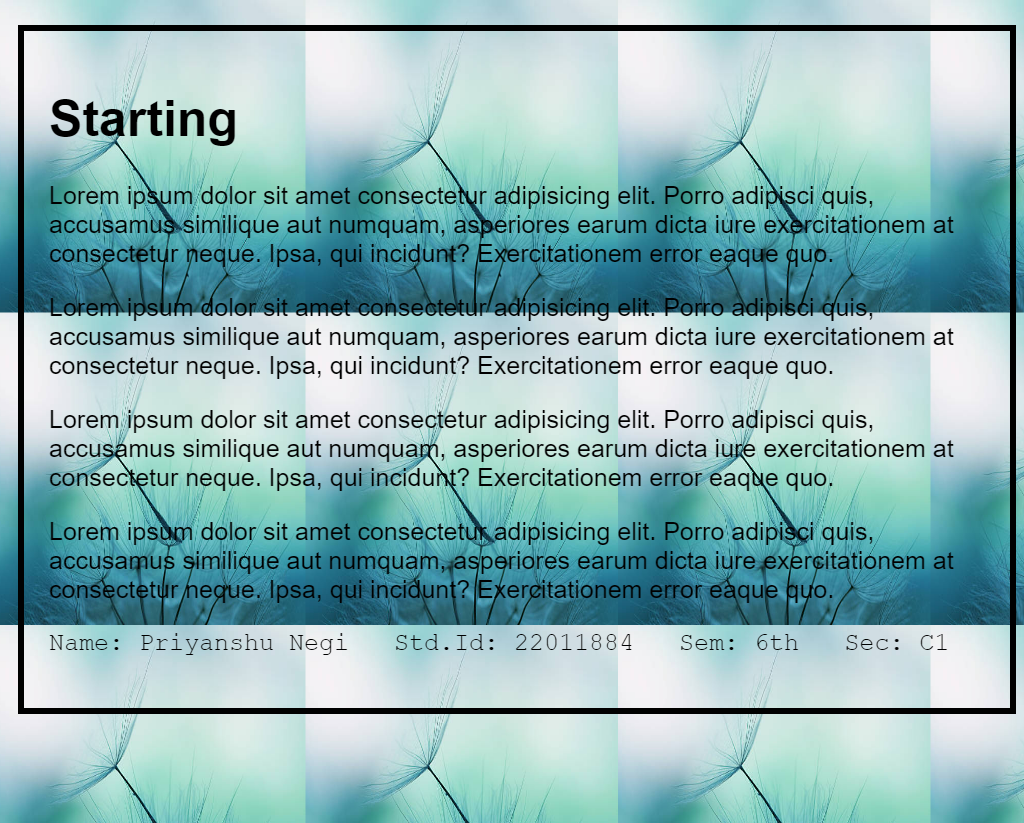
    <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Porro adipisci quis, accusamus similique aut numquam, asperiores earum dicta iure exercitationem at consectetur neque. Ipsa, qui incidunt? Exercitationem error eaque quo.</p>

    <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:**

<!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:**

**A screenshot of a computer

AI-generated content may be incorrect.**

**Program 19:**

Design a web page using CSS which includes the following:

1. Use different font styles
2. Set background image for both the page and single elements on page.
3. Control the repetition of image with background-repeat property
4. Define style for links as a:link, a:active, a:hover, a:visited
5. Add customized cursors for links.
6. Work with layers.

**HTML Code:**

<!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;

        }

        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;

            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:**

****