6. Write HTML, CSS3 code for following animation effects. (A)

1. Changing background colour of div from red to yellow.

Output:

Output: Changing background colour of div from red to yellow.

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Animation Effects</title>

    <style>

        .box {

            width: 100px;

            height: 100px;

            background-color: red;

            animation: changeColor 10s ease-in-out 2s forwards;

        }

        @keyframes changeColor {

            0% { background-color: red; }

            100% { background-color: yellow; }

        }

    </style>

</head>

<body>

    <div class="box"></div>

</body>

</html>

2. Moving div from Left to right, right to bottom, bottom to left and left to top.

Output: Moving div from Left to right, right to bottom, bottom to left and left to top.

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Animation Effects</title>

    <style>

        body{

        width: 100%;

        height: 100vh;

    }

        .box {

            width: 100px;

            height: 100px;

            background-color: red;

            animation: moveBox 2s ease-in-out infinite ;

            position: relative;

        }

        @keyframes moveBox {

            0% { transform: translate(0, 0); }

            25% { transform: translate(1024px, 0); }

            50% { transform: translate(1024px,512px); }

            75% { transform: translate(0, 512px); }

            100% { transform: translate(0, 0); }

        }

    </style>

</head>

<body>

    <div class="box"></div>

</body>

</html>

3. Put delay of 2s in animation.

Output: Put delay of 2s in animation.

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Animation Effects</title>

    <style>

        .box {

            width: 100px;

            height: 100px;

            background-color: red;

            animation: moveBox 4s ease-in-out 4s forwards;

        }

        @keyframes moveBox {

            0% { transform: translate(0, 0); }

            25% { transform: translate(100%, 0); }

            50% { transform: translate(100%, 100%); }

            75% { transform: translate(0, 100%); }

            100% { transform: translate(0, 0); }

        }

    </style>

</head>

<body>

    <div class="box"></div>

</body>

</html>

4. Change animation-iteration count property of program 2 to run infinite times

Output: Change animation-iteration count property of program 2 to run infinite times.

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Animation Effects</title>

    <style>

        .box {

            width: 100px;

            height: 100px;

            background-color: red;

            animation: moveBox 4s ease-in-out 3s infinite forwards;

        }

        @keyframes moveBox {

            0% { transform: translate(0, 0); }

            25% { transform: translate(100%, 0); }

            50% { transform: translate(100%, 100%); }

            75% { transform: translate(0, 100%); }

            100% { transform: translate(0, 0); }

        }

    </style>

</head>

<body>

    <div class="box"></div>

</body>

</html>

5. Change animation direction property to run it in reverse order.

Output: to Change animation direction property to run it in reverse order.

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Animation Effects</title>

    <style>

        .box {

            width: 100px;

            height: 100px;

            background-color: red;

            animation: moveBox 4s ease-in-out 2s infinite reverse;

        }

        @keyframes moveBox {

            0% { transform: translate(0, 0); }

            25% { transform: translate(100%, 0); }

            50% { transform: translate(100%, 100%); }

            75% { transform: translate(0, 100%); }

            100% { transform: translate(0, 0); }

        }

    </style>

</head>

<body>

    <div class="box"></div>

</body>

</html>

6. Change value of animation-timing-function property to change the speed of animation

Output: to Change value of animation-timing-function property to change the speed of animation

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Animation Effects</title>

    <style>

        .box {

            width: 100px;

            height: 100px;

            background-color: red;

            animation: moveBox 3s cubic-bezier(0.25, 0.8, 0.25, 1) 2s infinite reverse;

        }

        @keyframes moveBox {

            0% { transform: translate(0, 0); }

            25% { transform: translate(100%, 0); }

            50% { transform: translate(100%, 100%); }

            75% { transform: translate(0, 100%); }

            100% { transform: translate(0, 0); }

        }

    </style>

</head>

<body>

    <div class="box"></div>

</body>

</html>