

Subject : 2304CS431 – Client Side Scripting using Javascript

Faculty: Prof. Chirag K. Sakhrani

Practical - 3: Animations in HTML .

6)

Program :- Write HTML, CSS3 code for following animation effects. (A)

Output :-

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 ;
    }
  </style>
</head>
<body>
  <div class="box"></div>
</body>
</html>
```



Subject : 2304CS431 – Client Side Scripting using
Javascript

Faculty: Prof. Chirag K. Sakhrani

```
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>
```



Subject : 2304CS431 – Client Side Scripting using
Javascript

Faculty: Prof. Chirag K. Sakhrani

```
<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>
```

Subject : 2304CS431 – Client Side Scripting using Javascript

Faculty: Prof. Chirag K. Sakhrani

```
<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>
```