**Module(JQuery Basic, Effects & Advanced)-5**

**1).What is jQuery?**

**Ans.**

* JQuery is platform-independent.
* JQuery means "write less do more".
* JQuery is a small, light-weight and fast JavaScript library.
* JQuery is cross-platform and supports different types of browsers.
* JQuery is also very useful to simplify a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.
* Important Features of Jquery:-
  + HTML Manipulation
  + Effects And Animation
  + DOM manipulation
  + CSS manipulation
  + Utilities

**2).How to Apply CSS Using JQuery, How to Add Class and Remove Class in JQuery , JQuery Animation?**

**Ans.**

**CSS Using JQuery:-**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.7.0/jquery.min.js"></script>

    <title>Document</title>

    <!-- <style>

        div{

            : 50px;

        }

    </style>  -->

</head>

<body>

    <div>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Consequuntur, numquam voluptatem iste fugit et eaque consectetur eius debitis recusandae, non voluptates, incidunt dolore dolores placeat culpa officia nesciunt quia porro!</div>

    <button>xyz</button>

    <script>

        $(document).ready(function () {

            $("button").click(function () {

                $("div").css({"background-color": "red","font-size": "50px" })

            })

        })

    </script>

</body>

</html>

**Add Class:-**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Document</title>

    <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.7.0/jquery.min.js"></script>

    <style>

        div{

            height: 100px;

            width: 100px;

            background-color: aqua;

        }

        .one{

            font-size: 40px;

        }

    </style>

</head>

<body>

    <div>sqefw</div>

    <button>xyz</button>

    <script>

        $(document).ready(function () {

            $("button").click(function () {

                $("div").addClass("one")

            })

        })

    </script>

</body>

</html>

**Remove Class:-**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.7.0/jquery.min.js"></script>

    <title>Document</title>

    <style>

        .one{

            height: 300px;

            width: 300px;

            border: 2px solid black;

        }

    </style>

</head>

<body>

    <div class="one">Lorem ipsum dolor, sit amet consectetur adipisicing elit. Ea distinctio ab corrupti aut, possimus totam praesentium delectus obcaecati harum deleniti quos nihil maiores temporibus pariatur quasi soluta? Error, consequatur id!</div>

    <button>xyz</button>

    <script>

        $(document).ready(function () {

            $("button").click(function () {

                // for remove class

                // $("div").removeClass()

                // for remove input

                // $("div").empty()

                // for use both method

                $("div").toggleClass()

            })

        })

    </script>

</body>

</html>

**JQuery Animation:-**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Document</title>

    <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.7.0/jquery.min.js"></script>

    <style>

        div{

            height: 100px;

            width: 100px;

            background-color: brown;

            position: relative;

            transition: all 2s ease;

        }

    </style>

</head>

<body>

    <div>fsgrhey</div>

    <button>button</button>

    <script>

        $(document).ready(function () {

            $("button").click(function () {

                $("div").animate({"left": "250px", "font-size":"50px"}).css({"width": "250px", "background-color": "red"})

            })

        })

    </script>

</body>

</html>

**3).How to create slider with animation?**

**Ans.**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

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

    <title>Document</title>

    <script src='https://code.jquery.com/jquery-3.6.0.min.js'></script>

    <!-- cycle.min.js -->

    <script src="https://malsup.github.io/jquery.cycle.all.js"></script>

</head>

<body>

    <div id="slide">

        <img src="london.jpg" height="312px" width="450px" class="slider">

        <img src="New-York1.avif" height="312px" width="450px" class="slider">

        <img src="Marrakech.jpg"  height="312px" width="450px" class="slider">

    </div>

        <!-- slider apply here -->

        <script type="text/javascript">

            $(document).ready(function()

            {

                $("#slide").cycle("fade");

                $("#slide img").css("overflow-y","hidden");

            });

        </script>

</body>

</html>