Module (JQuery Basic, Effects & Advanced) – 5

1. What is jQuery?

Ans. jQuery is a quick, compact, and feature-rich JavaScript library that makes it easier to create dynamic and interactive web pages. It was developed by John Resig in 2006 and immediately became well-known due to its capacity to automate a number of frequent operations and jobs in web development. With the help of jQuery's functions and methods, developers can easily and consistently alter HTML elements, handle events, run animations, send AJAX queries, and more. It simplifies many of the difficulties associated with cross-browser compatibility, making it simpler for programmers to create code that consistently functions in a variety of web browsers.

1. How to Apply CSS Using JQuery, How to Add Class and Remove Class in Jquery, JQuery Animation?

Ans. Applying CSS using JQuery: -

<!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://cdnjs.cloudflare.com/ajax/libs/jquery/3.6.4/jquery.min.js"></script>

</head>

<body>

    <div>HELLO WORLD</div>

    <button>click to apply css</button>

    <script>

        $(document).ready(function() {

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

                $("div").css({"background-color": "red", "font-size": "100px", "text-align": "center"})

            })

        })

    </script>

</body>

</html>

**Add Class and Remove Class: -**

<!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://cdnjs.cloudflare.com/ajax/libs/jquery/3.6.4/jquery.min.js"></script>

    <style>

        .class{

            background-color: aqua;

            color: blue;

            font-size: 50px;

        }

    </style>

</head>

<body>

    <p>Lorem ipsum, dolor sit amet consectetur adipisicing elit. Quos quidem molestias, aliquam nihil reprehenderit nesciunt magnam doloremque vitae modi, enim excepturi alias, maxime a earum accusantium dolores libero. Est, nostrum.</p>

    <button class="btn1">Add Class</button>

    <button class="btn2">Remove Class</button>

    <script>

        $(document).ready(function () {

            $(".btn1").click(function () {

                $("p").addClass("class")

            })

            $(".btn2").click(function () {

                $("p").removeClass("class")

             })

        })

    </script>

</body>

</html>

**JQuery Animation: -**

<!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://cdnjs.cloudflare.com/ajax/libs/jquery/3.6.4/jquery.min.js"></script>

    <style>

        div{

            height: 100px;

            width: 100px;

            background-color: aqua;

            position: relative;

        }

    </style>

</head>

<body>

    <div>Animate</div>

    <button>click</button>

    <script>

        $(document).ready(function (){

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

                $("div").animate({height:'200px', width:'200px',left:'100'})

            })

        })

    </script>

</body>

</html>

1. How to create slider with animation?

Ans. <!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>

        \*{

            margin: 0;

            padding: 0;

            box-sizing: border-box;

        }

        body{

            width: 100%;

            height: 100vh;

            display: flex;

            align-items: center;

            justify-content: center;

        }

        .imgslider{

            height: 500px;

            width: 60%;

            background-image: url(Mercedes.jpg);

            background-size: 100% 100%;

            animation: changeslide 20s linear infinite;

        }

        @keyframes changeslide {

            0%{

                background-image: url(Mercedes.jpg);

            }

            25%{

                background-image: url(Images/Lamborghini.webp);

            }

            50%{

                background-image: url(Images/Mustang.jpg);

            }

            75%{

                background-image: url(Images/Porsche.jpeg);

            }

            100%{

                background-image: url(Images/Rolls\ ghost.jpg);

            }

        }

    </style>

</head>

<body>

    <div class="imgslider"></div>

</body>

</html>