**Module 7) JQuery Basic, Effects & Advanced**

1. What is jQuery?

jQuery is a lightweight, write less do more javascript library.

The purpose of jQuery is to make it much easier to use javascript on your website.

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

To apply css using jQuery, method is css().

For Example: <!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Document</title>

</head>

<body>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.4/jquery.min.js"></script>>

<script>

    $(document).ready(function(){

      $("button").click(function(){

        alert("Background color = " + $("p").css("background-color"));

      });

    });

    </script>

    <h1>Hii This is khyati Tripathi</h1>

    <p style="background-color: darkgreen;">Hii This is khyati Tripath</p>

</body>

</html>

To add and remove css in jQuery we can use addClass()

And for removing we can use removeClass().

For Example:

<!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>

        .important {

          font-weight: bold;

          font-size: xx-large;

        }

        .blue {

          color: blue;

        }

        </style>

</head>

<body>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.4/jquery.min.js"></script>>

<script>

    $(document).ready(function(){

  $("button").click(function(){

    $("h1, h2, p").addClass("blue")

    $("div").addClass("important")

  })

})

</script>

<h1>Khyati</h1>

<h2>Tripathi</h2>

<button>Class</button>

</body>

</html>

For jQuery Animation:

Example:

<!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;

            position: relative;

            transition: all 2s ease;

        }

    </style>

</head>

<body>

    <div>ujsd</div>

    <button>xyz</button>

    <script>

        $(document).ready(function () {

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

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

            })

        })

    </script>

</body>

</html>

1. How to create a slider with 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: 200px;

            background-color:darkgoldenrod;

        }

         .two{

            display: none;

        }

        div{

            height: 100px;

            width: 100px;

            background-color: rgb(40, 134, 134);

            position: relative;

            transition: all 2s ease;

        }

    </style>

</head>

<body>

    <button>stop</button>

    <div class="one">ABC</div>

    <div class="two">XYZ</div>

    <div>jjj</div>

    <button>xyz</button>

    <script>

        $(document).ready(function () {

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

                $("div").animate({"font-size": "60px","left":"250px"}).css({"width":"250px","background-color": "yellow"})

            })

        })

    <script>

        $(document).ready(function () {

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

                $(".two").slideToggle(2000)

            })

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

                $(".two").stop()

            })

        })

    </script>

</body>

</html>