**MODULE: 5 (JQuery Basic, Effects & Advance)**

**1. What is JQuery?**

**Ans.** jQuery is a fast, small, and feature-rich JavaScript library. It makes things like HTML document traversal and manipulation, event handling, animation, and Ajax much simpler with an easy-to-use API that works across a multitude of browsers. With a combination of versatility and extensibility, jQuery has changed the way that millions of people write JavaScript.

**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 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://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>

<script>

$(document).ready(function()

{

$(".b1").click(function()

{

$("p").css("background-color","red")

$("p").css("color","yellow")

})

$("div").click(function()

{

})

})

</script>

</head>

<body>

<p>Please Change My color</p>

<button class="b1">css</button>

<button class="b2">Animation</button>

<div></div>

</body>

</html>

**Add Class 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://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

<script>

$(document).ready(function()

{

$(".b1").click(function()

{

$("h1").addClass("class")

})

$(".b2").click(function()

{

$("h1").removeClass("class")

})

})

</script>

<style>

.class

{

color: blue;

}

</style>

</head>

<body>

<h1>

Comapny Name

</h1>

<p>

Lorem ipsum dolor, sit amet consectetur adipisicing elit. Quidem suscipit eius illum, impedit a culpa delectus ipsum eligendi adipisci, id harum quam, possimus ut eum consequuntur totam ab. Quibusdam, reiciendis?

</p>

<button class="b1">Add CSS</button>

<button class="b2">Remove CSS</button>

</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://ajax.googleapis.com/ajax/libs/jquery/3.6.1/jquery.min.js"></script>

<style>

div

{

height: 150px;

width: 150px;

background-color: blue;

left: 50%;

position: relative;

}

</style>

</head>

<body>

<button>Left</button>

<div>

</div>

<script>

$(document).ready(function()

{

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

{

$("div").animate({left:'50'});

})

})

</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="images/1.jpg" height="312px" width="450px" class="slider">

<img src="images/2.jpg" height="312px" width="450px" class="slider">

<img src="images/3.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>

# Event bubbling tickling example.

# 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>

    <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>

    <script>

        $(document).ready(function () {

            // $("span").parent().css({"border": "2px solid red"})

            // $("span").parents().css({"border": "2px solid red"})

            $("span").parentsUntil("ul").css({"border": "2px solid red"})

        })

    </script>

    <style>

        body \* {

            border: 2px solid black;

            display: inline-block;

            padding: 10px;

        }

    </style>

</head>

<body>

    <div>grand parent

        <ul>parent

            <li>child

                <span> span</span>

            </li>

        </ul>

    </div>

</body>

</html>