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

1. **What is jquery ?**

**Ans:**

jquery is a lightweight, write loss,do more javascript library.

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

Jquery takes a lot of common tasks that require many lines of javascipt code to accoumplish and wraps them into methods that you can call with a single line of code .

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

**Ans:**

css() method sets or returns one or more style properties for the selected elements.

Css(“propertyname”,”value”);

Example : $(“p”).css(“background-color”: “red”);

Add clss : there are four method in jquery to add class

Append() ,Prepend(),after(),before()

**Example:**

**Append ()**

    <p>paragraph</p>

    <button>click me </button>

    <ol>

        <li>one </li>

        <li>two</li>

        <li>three</li>

    </ol>

    <script>

        $(document).ready(function() {

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

                $("ol").append("<li>hellooo</li>")

            })

        })

    </script>

Prepend()

    <p>paragraph</p>

    <button>click me </button>

    <ol>

        <li>one </li>

        <li>two</li>

        <li>three</li>

    </ol>

    <script>

        $(document).ready(function() {

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

                $("ol").prepend("<li>hellooo</li>")

            })

        })

    </script>

After()

    <p>paragraph</p>

    <button>click me </button>

    <ol>

        <li>one </li>

        <li>two</li>

        <li>three</li>

    </ol>

    <script>

        $(document).ready(function() {

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

                $("ol").after("<li>hellooo</li>")

            })

        })

    </script>

Before()

    <p>paragraph</p>

    <button>click me </button>

    <ol>

        <li>one </li>

        <li>two</li>

        <li>three</li>

    </ol>

    <script>

        $(document).ready(function() {

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

                $("ol").before("<li>hellooo</li>")

            })

        })

    </script>

**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.** s

<!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()s

            {

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

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

            });

        </script>

</body>

</html>