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

1. **What is JQuery?**

**Ans :** 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.

jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code.

jQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.

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

**Ans : CSS using jquery**:

<!DOCTYPE html>

<html>

<head>

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

</head>

<body>

<h2>This is a heading</h2>

<p style="background-color:#ff0000">This is a paragraph.</p>

<p style="background-color:#00ff00">This is a paragraph.</p>

<p style="background-color:#0000ff">This is a paragraph.</p>

<p>This is a paragraph.</p>

<button>Set multiple styles for p</button>

<script>

$(document).ready(function(){

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

$("p").css({"background-color": "yellow", "font-size": "200%"});

});

});

</script>

</body>

</html>

* **Add Class and Remove Class in 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/3.5.1/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>

1. **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>