Module 7) JQuery Basic, Effects & Advanced

**1). What is jQuery?**

→jQuery is a fast, small, and feature-rich JavaScript library.

→jQuery is a lightweight, "write less, do more", JavaScript library.

→It simplifies things like HTML document traversal and manipulation, event handling, and animation for web development

→jQuery is designed to make it easier to navigate a document, handle events, create animations, and perform Ajax (asynchronous JavaScript and XML) requests.

→The jQuery library contains the features like, HTML/DOM manipulation, CSS manipulation, HTML event methods, Effects and animations, AJAX, Utilities.

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

→Apply CSS Using JQuery

→The css() method in jQuery is used to change the style property of the selected element.

→When the button is clicked css() method will change the color of paragraph to green.

→$(document).ready(function () {

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

$("p").css("color", "green");

});

});

→Add Class:

→The addClass() method is an inbuilt method in jQuery that is used to add more properties to each selected element.

→$(document).ready(function(){

$("#addclass").click(function(){

$("#box").addClass("bg padding")

})

})

→Here, we can add bg and padding class by using .addClass method.

→ Remove Class:

→The addClass() method is an inbuilt method in jQuery that is used to add more properties to each selected element.

→$(document).ready(function(){

$("#removeclass").click(function () {

$("#box").removeClass("padding");

});

});

→Here, we can remove padding class by using .removeClass method.

→JQuery Animation:

→The jQuery animate() method provides you a way to create custom animations.

→ $(document).ready(function () {

$("#addclass").click(function () {

$("p").animate({ opacity: 0.2 }, 1000);

});

});

**3). Event bubbling tickling 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>

Div {

Margin: 10px;

Padding: 15 px;

border: 2px solid red;

}

</style>

</head>

<body>

<div id=”parent”>

Parent div

<div id =”child”>child div</div>

</div>

<script>

document.getElementById(“second-child”).addEventListner(“click”, function(){alert(“You clicked the second Child element!”);});

document.getElementById(“child”).addEventListner(“click”, function(){alert(“You clicked the second Child element!”);});

document.getElementById("parent").addEventListener("click", function () { alert("You clicked the parent element!"); });

</script>

</body>

</html>