**Module (JQuery Basic, Effects & Advanced) – 5**

**Que.1 What is jQuery?**

**Ans.1** jQuery is a fast, small, cross-platform and feature-rich JavaScript library.

jQuery means "write less do more". jQuery simplifies AJAX call and DOM manipulation.

jQuery was first released in January 2006 by John Resig at BarCamp NYC.

It is currently headed by Timmy Wilson and maintained by a team of developers.

jQuery is developed by Google. To create the first jQuery example, you need to use JavaScript file for jQuery.

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

**Ans.2 How to Apply CSS Using JQuery**

<body style="text-align: center;

    border: 2px solid rgb(34, 5, 114);

    min-height: 240px;">

    <h1 style="color:rgb(133, 11, 82);">

        CSS using Jquary

    </h1>

    <p id="context">

        How to Apply CSS Using JQuery

    </p>

    <br>

    <button id="change">

        Apply

    </button>

    <script>

        let css\_property =

        {

            "color": "green",

            "font-size": " 30px"

        }

        $('#change').on('click', function () {

            $('#context').css(css\_property);

        });

    </script>

</body>

</html>

**How to Add Class and Remove Class in Jquery**

<!DOCTYPE html>

<html>

<head>

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

<script>

$(document).ready(function(){

  $("#add").click(function(){

    $("#div1 ").addClass("important blue");

  });

});

$(document).ready(function(){

  $("#remuv").click(function(){

    $("#div1 ").removeClass("important blue");

  });

});

</script>

<style>

.important {

  font-weight: bold;

  font-size: xx-large;

}

.blue {

  color: blue;

}

</style>

</head>

<body>

<div id="div1">..Add Class and Remove Class in Jquery..</div>

<br>

<button id="add">Add class</button>

<button id="remuv">Remove class</button>

</body>

</html>

**JQuery Animation**

<!DOCTYPE html>

<html>

<head>

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

<style>

    body{

        margin: 10px;

        padding: 20px;

    }

</style>

<script>

$(document).ready(function(){

  $("button").click(function(){

    $("div").animate({left: '250px'});

  });

});

$(document).ready(function(){

  $("button").click(function(){

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

  });

});

</script>

</head>

<body>

<h1>Jquery Animation with toggle</h1>

<br>

<button>Animation</button>

<br><br><br>

<div style="background:#6b1c67;height:100px;width:100px;position:absolute;"></div>

</body>

</html>

**Que.3 How to create slider with animation?**

**Ans.3** <!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>Example of jQuery Slide-Toggle Effect</title>

<script src="https://code.jquery.com/jquery-1.12.4.min.js"></script>

<style>

    p{

        padding: 20px;

        background: #3fbb53;

    }

 </style>

<script>

$(document).ready(function(){

    $(".toggle-btn").click(function(){

        $("p").slideToggle();

    });

});

</script>

</head>

<body>

    <button type="button" class="toggle-btn">Slide Toggle & Animation</button>

    <p>Slider Animation</p>

</body>

</html>