

## 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.

### 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>

<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:red">This is a  
paragraph.</p>
```

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

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

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

```
<button>Set multiple styles for paragraph tag</button>
```

```
<script>  
    $(document).ready(function(){  
        $("button").click(function(){  
            $("p").css({"background-color": "cyan",  
"font-size": "50px"});  
        });  
    });  
</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>Add & Remove class</title>
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></
script>
  <script>
    $(document).ready(function()
      {
        $(".demo1").click(function()
          {
            $("h1").addClass("class")
          })
        $(".demo2").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="demo1">Add CSS</button>
    <button class="demo2">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"></scr
ipt>
  <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">

    

    

    

  </div>


  <!-- slider apply here -->

  <script type="text/javascript">
    $(document).ready(function()
    {
      $("#slide").cycle("fade");
      $("#slide img").css("overflow-y","hidden");
    });
  </script>

</body>

</html>
```