

# FRONT-END DEVELOPMENT

## ASSIGNMENT

### Part-1: Web Designing

## MODULE:-5(JQuery Basic, Effects & Advance)

### 1). What is jQuery?

- JQuery is also client side scripting language. It is use to lode on client side browse. It is a “lightweight” , “write less , do more” , “java script library.

### 2) . How to Apply css Using JQuery , How to Add Class and Remove Class in JQuery, JQuery Animation ?

#### Apply CSS in JQuery :

- In jquery we can apply CSS with using jquery pre-define function

#### Syntax :

`$(document).css("propertyname":"value").`

#### EX.

```
<!DOCTYPE html>
<html>
  <head>
    <title>apply css using jquery</title>
    <script
      src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.min.js"></sc
    ript>
  </head>
  <body>
    <div id="box"> <div>
      <Script>
        $(document).ready(function(){
          $("#box").css("width":"70%" , "height":"auto" ,
            "backgroundcolor":"orangered" )
        })
      </script>
    </div>
  </body>
</html>
```

#### Add Class using jQuery:

- In jquery we can easy to manipulate the style of elements.
- In jquery we can use addclass method to add a new class in page.
- It is a pre-define function in jQuery.

**Syntax :**

**`$(selector).addClass(classname,function(index,currentclass));`**

**EX.**

```
<!DOCTYPE html>
<html>
<head>
    <style>
        .container {
            font-size: 150%;
            color: red;
            border: 3px double green;
        }
    </style>
    <script
    src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.min.js"></script>
</head>
<body>

    <h1>This is a heading</h1>

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

    <button>Add a class name to the first p element</button>

    <script>
        $(document).ready(function(){
            $("button").click(function(){
                $("div").addClass("container");
            });
        });
    </script>
</body>
</html>
```

**Remove Class using jQuery:**

- In jquery we can easy to manipulate the style of elements.
- In jquery we can use removeclass method to remove a class in page.
- It is a pre-define function in jQuery.
- *This method only remove class not delete.*

**Syntax :**

**`$(selector).removeClass(classname,function(index,currentclass));`**

**EX.**

```
<!DOCTYPE html>
<html>
<head>
```

```

<style>
    .container {
        font-size: 150%;
        color: red;
        border: 3px double green;
    }
</style>
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.min.js"></script>
</head>
<body>

    <h1>This is a heading</h1>

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

    <button>Add a class name to the first p element</button>

    <script>
        $(document).ready(function(){
            $("button").click(function(){
                $("div").removeClass("container");
            });
        });
    </script>
</body>
</html>

```

### **jQuery animation:**

- The jQuery animate() method is used to create custom animation.
- It is a pre-define function in jQuery to make animation.

#### **Syntax :**

**`$(selector).animate({params},speed,callback);`**

#### **EX.**

```

<!DOCTYPE html>
<html>
<head>
    <title>animation using jquery</title>
    <style>
        background:red;
        height:200px;
        width:200px;
        position:absolute;
    </style>
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.min.js"></script>
    <script>
        $(document).ready(function(){
            $("button").click(function(){

```

```

        $(".div").animate({left: '250px'});
    });
</script>
</head>
<body>

    <button>Start Animation</button>

    <div></div>

</body>
</html>

```

### 3) . How to create slider with animation ?

- jQuery is provide inbuilt function to create a slider

#### Syntax :

```
$(".selector").slider({ animate: value });
```

**Parameters:** This option accepts three parameters as discussed below:

- **boolean:** If set to *true*, the slider will be animated. By default, the value is *false*
- **string:** The string value used to set the speed of the slider cursor. The available values are *slow*, *normal*, *fast*.
- **number:** The duration of the animation in milliseconds.

#### EX.

```

<!DOCTYPE html>
<html>
<head>

    <title>slider with animation</title>

    <meta charset="utf-8" />

    <link href="https://code.jquery.com/ui/1.10.4/themes/ui-lightness/jquery-
ui.css" rel="stylesheet"/>

    <script
    src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.min.js"></script>

    <script>

        $(function () {

            $("#boxed").slider({ animate: true });

        });

    </script>

```

```
</head>
<body>
  <h1>slider with animation </h1>
  <div id="boxed"></div>
</body>
</html>
```