

Module (jQuery Basic, Effects & Advanced) – 5

1. What is JQuery?

Ans. jQuery is a JavaScript library designed to simplify HTML DOM tree traversal and manipulation, as well as event handling, CSS animation, and Ajax. It is free, open-source software using the permissive MIT License. As of May 2019, jQuery is used by 73% of the 10 million most popular websites.

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

Ans. For applying CSS in JQuery this method is used:-

```
<!DOCTYPE html>

<html>

<head>

<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></scrip
t>

<script>

$(document).ready(function(){

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

        $("p").css("background-color", "yellow");

    });

});

</script>

</head>

<body>

<h2>This is a heading</h2>

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

<button>Set background-color of p</button>

</body>
```

</html>

For adding and removing class in JQuery:-

addClass() - Adds one or more classes to the selected elements.

removeClass() - Removes one or more classes from the selected elements.

toggleClass() - Toggles between adding/removing classes from the selected elements.

css() - Sets or returns the style attribute.

For adding Animation In JQuery:-

<!DOCTYPE html>

<html>

<head>

<script

src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>

<script>

\$(document).ready(function(){

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

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

 });

});

</script>

</head>

<body>

<button>Click</button>

<p>By default, all HTML elements have a static position, and cannot be moved. To manipulate the position, remember to first set the CSS position property of the element to relative, fixed, or absolute!</p>

<div

style="background:#98bf21;height:100px;width:100px;position:absolute;">

</div>

```
</body>
```

```
</html>
```

3. How to create slider with animation?

Ans. For Creating Slider with Animation That's Code is here:-

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<script
```

```
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
```

```
<script>
```

```
$(document).ready(function(){
```

```
    $("#my").click(function(){
```

```
        $("#this").slideToggle("slow");
```

```
    });
```

```
});
```

```
</script>
```

```
<style>
```

```
#my, #this {
```

```
    padding: 5px;
```

```
    text-align: center;
```

```
    background-color: #e5eccc;
```

```
    border: solid 1px #c3c3c3;
```

```
}
```

```
#my {
```

```
    padding: 50px;
```

```
    display: none;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>  
<div id="this">This is the div</div>  
<div id="my">Hi I am bhavik</div>  
</body>  
</html>
```