Que1. 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.

Que2. 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"></script>

<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>Start Animation</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>

Que3. How to create slider with animation?

Ans.

**For Creating Slider with Animation That’s Code is here:-**

<!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">

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

<style>

.container{

width: 580px;

margin: 40px auto;

overflow: auto;

}

.inner img{

height: 500px;

width: 500px;

display: none;

}

.inner .active {

display: inline-block;

}

</style>

<title>slide</title>

</head>

<body>

<div class="container">

<div class="inner">

<img src="diu.png" class="active" >

<img src="dwarka.png" >

<img src="girnarhill.png">

<img src="girpark.png">

</div>

<button class="prev">previous</button>

<button class="next">next</button>

</div>

</body>

<script>

$(document).ready(function(){

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

var currentimg=$(".active");

var nextimg = currentimg.next();

if(nextimg.length){

currentimg.removeClass("active")

nextimg.addClass("active")

}

});

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

var currentimg=$(".active");

var previmg = currentimg.prev();

if(previmg.length){

currentimg.removeClass("active")

previmg.addClass("active")

}

})

});

</script>

</html>