* **What is JQuery?**

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.

* **How to apply CSS using JQuery, how to add class and remove class in Jquery, Jquery Animation?**
* CSS using JQuery:

<!DOCTYPE html>

<html>

<head>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.1/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>

<p style="background-color:#00ff00">This is a paragraph.</p>

<p style="background-color:#0000ff">This is a paragraph.</p>

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

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

</body>

</html>

* Add/remove class using JQuery:

<!DOCTYPE html>

<html>

<head>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.1/jquery.min.js"></script>

<script>

$(document).ready(function(){

$("btn1").click(function(){

$("h1, h2, p").addClass("important blue");

});

$("btn2").click(function(){

$("h1, h2, p").removeClass("blue");

});

});

</script>

<style>

.important {

font-weight: bold;

font-size: xx-large;

}

.blue {

color: blue;

}

</style>

</head>

<body>

<h1>Heading 1</h1>

<h2>Heading 2</h2>

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

<p>This is another paragraph.</p>

<div>This is some important text!</div><br>

<button id=”btn1”>Add classes to elements</button>

<button id=”btn2”>Remove class to elements</button>

</body>

</html>

* JQuery Animation:

<!DOCTYPE html>

<html>

<head>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.1/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>

* **How to create slider with Animation?**

With jQuery you can create a sliding effect on elements.

jQuery has the following slide methods:

* slideDown()
* slideUp()
* slideToggle()

<!DOCTYPE html>

<html>

<head>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.1/jquery.min.js"></script>

<script>

$(document).ready(function(){

$("#flip").click(function(){

$("#panel").slideUp("slow");

});

/\* $("#flip").click(function(){

$("#panel").slideDown("slow");

}); \*/

/\* $("#flip").click(function(){  
  $("#panel").slideToggle();  
});\*/

});

</script>

<style>

#panel, #flip {

padding: 5px;

text-align: center;

background-color: #e5eecc;

border: solid 1px #c3c3c3;

}

#panel {

padding: 50px;

}

</style>

</head>

<body>

<div id="flip">Click to slide up panel</div>

<div id="panel">Hello world!</div>

/\* <div id="flip">Click to slide down panel</div>

<div id="panel">Hello world!</div> \*/

/\* <div id="flip">Click to slide the panel down or up</div>

<div id="panel">Hello world!</div>

\*/

</body>

</html>