**JQuery Important Point**

* JQuery is the java script library it simplify the java script program.
* **jQuery**is an open source JavaScript library that simplifies the interactions between an HTML/CSS document, or more precisely the Document Object Model (DOM), and JavaScript.

jQuery is widely famous with its philosophy of “Write less, do more.” This philosophy can be further elaborated as three concepts:

Finding some elements (via CSS selectors) and doing something with them (via jQuery methods) i.e. locate a set of elements in the DOM, and then do something with that set of elements.

Chaining multiple jQuery methods on a set of elements

Using the jQuery wrapper and implicit iteration

1. All the form control will be accessed by .val( text or value);
2. All other html tag will be accessed by .html ( text or value);

**Difference between html and val**

$(document).ready(function () {

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

alert('Button Clicked');

$("#txtnum").val("Button Clicked");

$("#sp").html("Button Clicked");

});

**Hide All**

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

$("\*").hide();

});

**Without ID direct Access**

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

$("p").hide();

});

Suppose we want to access all the paragraph then we can use “p” directly or suppose we want to access any particular paragraph then we have to use the id selector

**How to Add the Css class on the particular Element**

<style>

.effect {

font-size:24px;

color:red;

border:1px solid red;

padding:10px;

border-radius:5px;

}

</style>

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

$("p").addClass("effect");

});

**Remove the Css Class**

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

$("p").removeClass("effect");

});

**Adding Two Number and Display the result in third text box**

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

var a = parseInt($("#t1").val());

var b = parseInt($("#t2").val());

var total = a + b;

$("#result").val(total);

});

Note :parseInt Function is user to convert the string into integer

**Simple Concatenation**

$("#result").val("Result "+total);

**Table generation**

<script>

$(document).ready(function () {

//alert('Hello how are you');

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

var n = parseInt($("#txtnum").val());

var i;

var num = "";

for (i = 1; i <= 10; i++) {

num = num + (n \* i) +"<br>";

}

$("#sp").html(num);

});

});

</script>

**Use of Prompt**

var a,b,c;

a=parseInt(prompt("Enter First Number "));

b=parseInt(prompt("Enter second Number "));

c=a+b;

alert("Total is "+c);

**Show and Hide Password**

<script>

$(document).ready(function () {

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

var n = $("#sp").text();

if (n == "Show Password") {

$("#txtpass").attr("type", "text");

$("#sp").text("Hide Password");

}

else {

$("#txtpass").attr("type", "password");

$("#sp").text("Show Password");

}

});

});

</script>

**Array in Java Script and Jquery**

var Names = ["Mahira", "Anis", "Mahi"];

**Multiple Selector**

$("span,p").click(function () {

$("span").hide();

$("p").hide();

});

**Radio selector**

<script>

$(document).ready(function () {

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

var result = $('input[type="radio"]:checked');

if (result.length == 0)

$("#sp").html("No Option Selected");

else

$("#sp").html(result.val() + " Checked");

});

});

</script>

**https://jqueryui.com/sortable/**

**Accordian**

CDN

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>

<link rel="stylesheet" href="https://ajax.googleapis.com/ajax/libs/jqueryui/1.12.1/themes/smoothness/jquery-ui.css" />

<script src="https://ajax.googleapis.com/ajax/libs/jqueryui/1.12.1/jquery-ui.min.js"></script>

<script>

$(document).ready(function () {

$("#container").accordion();

})

</script>

<body>

<div id="container" style="width:300px; border:1px solid blue; padding:10px; box-shadow:5px 5px black;">

<h2>First Segment</h2>

<div>

<p>

This is the first paragraph<br />

This is the first paragraph<br />

This is the first paragraph<br />

This is the first paragraph<br />

This is the first paragraph<br />

</p>

</div>

<h2>Second Segment</h2>

<div>

<p>

This is the Second paragraph<br />

This is the Second paragraph<br />

This is the Second paragraph<br />

This is the Second paragraph<br />

This is the Second paragraph<br />

</p>

</div>

<h3>Third Segment</h3>

<div>

<p>

This is the Third paragraph<br />

This is the Third paragraph<br />

This is the Third paragraph<br />

This is the Third paragraph<br />

This is the Third paragraph<br />

</p>

</div>

</div>

**CDN content delivery network**

It provides the help to access all the important files which is required to run jquery viva internet. A CDN is a system of distributed server that host resources such as images , java script files and CSS and day by day CDN updated from the server side so if we are using CDN then project will be updated all the time

1. The jquery files can be downloaded from the CDN server that is closest to the user so performance will be increase because jquery supportable project will interact the nearest CDN server
2. All the time project will be updated with the new changes
3. Jquery file is handled by the CDN server, so load on your web server is reduced it save the website bandwidth consumption

Disadvantages

1. Some time client firewall may block the CDN due to security reason. So project cannot do the CDN request

**MouseEvent**

<script>

$(document).ready(function () {

$("#container").mouseover(function () {

$("#container").hide(2000);

});

$("#container").mouseout(function () {

$("#container").show(2000);

});

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

$("#container").hide(2000);

});

$("#container").mouseleave(function () {

$("#container").show(2000);

});

});

</script>

**Swal Alert**

<script src="https://unpkg.com/sweetalert/dist/sweetalert.min.js"></script>

<script>

$(document).ready(function () {

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

swal("Confirmation", "Your Form Submitted", "success");

});

});

</script>

More Option

1. success
2. warning
3. error

**Date Picker in Jquery**

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

rel = "stylesheet">

<script src = "https://code.jquery.com/jquery-1.10.2.js"></script>

<script src = "https://code.jquery.com/ui/1.10.4/jquery-ui.js"></script>

<script>

$(document).ready(function () {

$("#dtxt").datepicker();

$("#dtxt").css('border', '1px solid red');

});

</script>

<script>

$(document).ready(function () {

$("#dtxt").datepicker(

{

appendText: "Date of Joining ",

showOn: "both",

buttonText: " Calender",

dateFormat: "dd/mm/yy",

numberOfMonths: 4,

changeMonth: true,

changeYear:true

});

$("#dtxt").css('border', '1px solid red');

});

</script>

appendText: "Date of Joining ",

showOn: "both",

buttonText: " Calender",

dateFormat: "dd/mm/yy",

numberOfMonths: 4,

changeMonth: true,

changeYear:true