**jQuery Tutorial**

**HTML Selector with jQuery:-**

In plain JavaScript if we want to access a tag and change its inner text or value, we can use multiple techniques. We can use document object model (DOM) properties.

One of the properties that we can use to access a tag is called

**document.querySelector(“h1/p/a/”);**

with in the double quotation, we can use our desired tag to access it and manipulate its value . In jQuery we can replace this property to a shortcut. We will use **$** sign instead of the whole command. For example:-

If we want to change the text of h1 tag with the help of **JavaScript** we will write in the following way:

document.querySelector(“h1”).innerHtml(“Hello World!”);

In **jQuery** we will replace the document.querySelector with a $ sign and innerHtml will be replaced by a method of jQuery called text:-

$(“ h1”).text(“Hello there, How are you?”)

With the text method we will give the string that we want to show

Here, **document.querySelector = $**

Now for example if we have two h1 tag and I want to change only one h1 text what can we do:

We can assign a class name for the h1 tag we want to change:

<h1 class=”header-name”>Hello</h1>

So, in jQuery if we want to change the h1 text we will simply use the following code:

$(“.header-name”).text(“hello everybody”);

We know in that a class name is denoted by . and id name is denoted by # .

We can simultaneously manipulate text of the tags at the same if we want to show same text on them. For example:

If we want to show p and h1 tag will show same text we will use the following code:

$(“p,h1”).text(“hi”);

We can separate many html tags with comma.

**Text Manipulation with jQuery:-**

This far we have seen how we can select an HTML tag and change the text with only text method but now for example we want to make string into bold format. So, now we cannot use text format as it can only change text and cannot change size or shape.

We use html method for this purpose. This html tag let us use the html tag with in the parameter.

$(“h1”).html(“<b>Hello World</b>”);

so as we can see that with the help of html method we can use <b> tag to bold out text which we could not do with the text method.

We use a whole html tag as a parameter for the html method.

***Appending and Prepending text into existing text:-***

Append method lets us add any text we want to add after out desired html tag.

<p class=”header-text”>Hello World, I am a</p>

So if we want to add a word after “I am a” we can use append method

$(“.header-text”).append(“ student”);

Append allows us to add text after the text, so if we want to add text before we use prepend method.

$(“.header-text”).prepend(“ Hello People, ”);

***Before and After method by adding new tag:-***

We have a p tag with a class name **paragraph**

<p class=”paragraph”>This is a paragrph</p>

So we want to create a new p element and use it after and before the p tag with the class name paragraph.

We can create a new element by the following code:

var myText = $(“<p></p>”).text(“This is first text”);

The above code creates a new p element like this:

<p>This is first text</p>

If we want to add it before the paragraph class we simply use

$(“.paragraph”).before(myText);

and if we want to use it after we use:

$(“.paragraph”).after(myText);

**Attribute Manipulation :-**

We can get easily get the value of the attribute with the help of jquery. To get the attribute of an attribute we can use attr method of jquery.

$(“a”).attr(“href”);