**Experiment Title:** Reading and writing HTML contents with JQuery

# Objective:

To learn and implement Reading and writing of HTML contents with JQuery

# Theory:

**jQuery Introduction**

**jQuery** is a JavaScript library developed to simplify client-side scripting, event handling, and animation on client side. **jQuery** is very powerful making its slogan very true "Write less do more".

**Why we should use** jQuery

**jQuery** simplifies JavaScript programming and ensures the code runs on every browser available. We can do most JavaScript code with **jQuery**. **jQuery** uses a chaining mechanism while **writing** code which makes it more easy to write and understand.

**Including** jQuery **in ASP.NET**

To include **jQuery**, first download the latest version at [www.**jquery**.com](https://www.codeproject.com/Tips/471799/www.jquery.com) and unzip or copy the file to the root directory of your website project (in other words, where your *default.aspx*, *index.****html***, or *index.php* file is). Microsoft Visual studio 2010 and 2012 include **jQuery** by default and provide intellisense to use **jQuery**.

After downloading **jQuery** you can add this in the head of your ASP.NET page (simple or master):

<script src = '**jquery**-1.7.1.min.js' type = 'text/javascript'></script>

Note: using Google AJAX libraries to add **jQuery** has several advantages: decreased latency, increased parallelism, and better caching.

You can add this in head section:

<script src="[http://ajax.googleapis.com/ajax/libs/**jquery**/1.8.0/**jquery**.min.js](http://ajax.googleapis.com/ajax/libs/jquery/1.8.0/jquery.min.js)" type="text/javascript"></script>

# Loading jQuery

<%@ Page Language="C#" %>

<!DOCTYPE html>

<html>

<head runat="server">

<title>jQuery</title>

<script type="text/javascript" src="Scripts/jquery.js"></script>

<script type="text/javascript">

</script>

</head>

<body>

<div>

</div>

</body>

</html>

# jQuery HTML Set Content and Attributes

[jQuery text(), html(), and val() - Set content](http://www.w3schools.com/jquery/tryit.asp?filename=tryjquery_dom_html_set)

Set content with the jQuery text(), html() and val() methods. Example :

<!DOCTYPE html>

<html>

<head>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.1/jquery.min.js"></script>

<script>

$(document).ready(function(){

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

$("#test1").text("Hello world!");

});

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

$("#test2").html("<b>Hello world!</b>");

});

$("#btn3").click(function(){

$("#test3").val("Dolly Duck");

});

});

</script>

</head>

<body>

<p id="test1">This is a paragraph.</p>

<p id="test2">This is another paragraph.</p>

<p>Input field: <input type="text" id="test3" value="Mickey Mouse"></p>

<button id="btn1">Set Text</button>

<button id="btn2">Set HTML</button>

<button id="btn3">Set Value</button>

</body>

</html>

[jQuery text() and html() - Set content with a callback function](http://www.w3schools.com/jquery/tryit.asp?filename=tryjquery_dom_html_callback) Set content + using a callback function inside text() and html().

Example:

<!DOCTYPE html>

<html>

<head>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.1/jquery.min.js"></script>

<script>

$(document).ready(function(){

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

$("#test1").text(function(i, origText){

return "Old text: " + origText + " New text: Hello world! (index: " + i + ")";

});

});

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

$("#test2").html(function(i, origText){

return "Old html: " + origText + " New html: Hello <b>world!</b> (index: " + i + ")";

});

});

});

</script>

</head>

<body>

<p id="test1">This is a <b>bold</b> paragraph.</p>

<p id="test2">This is another <b>bold</b> paragraph.</p>

<button id="btn1">Show Old/New Text</button>

<button id="btn2">Show Old/New HTML</button>

</body>

</html>

# Procedure :

Write web application implementing above codes with HTML Content.

# Conclusion: