

Exp. No. E04	MANUAL NO. : DYPPCOE-CSE-T2-WT-II	SUBJECT: WEB TECHNOLOGIES- II
DEPARTMENT: CSE	ISSUE NO. : 01	ISSUE DATE: 05/12/2018
REV. NO. : 0	REV. DATE : 05/12/18	

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 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"
type="text/javascript"></script>
```

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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](#)

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>
```

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```
<button id="btn2">Set HTML</button>
<button id="btn3">Set Value</button>
```

```
</body>
</html>
```

[jQuery text\(\) and html\(\) - Set content with a callback function](#)

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: