# Jquery

# Download Jquery 3.1.0

<https://code.jquery.com/jquery-3.4.1.slim.min.js>

<https://code.jquery.com/jquery-3.3.1.min.js>

<https://code.jquery.com/jquery-2.2.4.min.js>

All - <https://way2tutorial.com/jquery/jquery_download.php>

# CDN

Microsoft jQuery CDN

<https://docs.microsoft.com/en-us/aspnet/ajax/cdn/overview#jQuery_Releases_on_the_CDN_0>

Google jQuery CDN

<https://developers.google.com/speed/libraries#jquery>

# Import External minified

<script

src="https://code.jquery.com/jquery-3.4.1.slim.min.js"

integrity="sha256-pasqAKBDmFT4eHoN2ndd6lN370kFiGUFyTiUHWhU7k8="

crossorigin="anonymous"></script>

# Button click - JS

<!DOCTYPE html>

<html>

<head>

</head>

<body>

<script type="text/javascript">

window.onload = function(){

if(document.addEventListener){

document.getElementById('button1').addEventListener('click', clickhandler, false)

}

else{

document.getElementById('button1').attachEvent('onclick', clickhandler)

}

};

function clickhandler(){

alert('JQuery Tutorial');

}

</script>

<input type = "button" id="button1" value="Click me" />

</body>

</html>

# Jquery Button Click

<!DOCTYPE html>

<html>

<head>

<script

src="jquery-3.1.0.js">

</script>

</head>

<body>

<script type="text/javascript">

jQuery(document).ready(function(){

jQuery('#button1').click(function(){

alert('JQuery tutorial');

});

});

</script>

<input type = "button" id="button1" value="Click me" />

</body>

</html>

## Simplified Button

<!DOCTYPE html>

<html>

<head>

<script src="jquery-3.1.0.js">

</script>

</head>

<body>

<script type="text/javascript">

$(function(){

$('#button1').click(function(){

alert('JQuery tutorial');

});

});

</script>

<input type = "button" id="button1" value="Click me" />

</body>

</html>

# Window load: 2.x

<!DOCTYPE html>

<html>

<head>

<script src="jquery-2.2.4.js"> </script>

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

<script type="text/javascript">

$(document).ready(function(){

alert('DOM loaded');

});

$(window).load(function() {

// page is fully loaded, including all frames, objects and images

alert("window is loaded");

});

</script>

</head>

<body>

</body>

</html>

# Image height & Width: window.load, document.ready

<!DOCTYPE html>

<html>

<head>

<script src="jquery-2.2.4.js"> </script>

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

<script type="text/javascript">

/\*$(document).ready(function(){

$('#div1').html("Height ="+$('#img1').height() + "</br>" + "Width = " + $("#img1").width());

});\*/

$(window).load(function(){

$('#div1').html("Height ="+$('#img1').height() + "</br>" + "Width = " + $("#img1").width());

});

</script>

</head>

<body>

<div id="div1"></div>

<img id= 'img1' src='image.jpg' />

</body>

</html>

# Using CDN || local JS

<!DOCTYPE html>

<html>

<head>

<script src="https://ajax.aspnetcdn.com/ajax/jQuery/jquery-2.2.1.js"> </script>

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

<script>

window.jQuery || document.write("<script src='jquery-2.2.4.js'><\/script>");

</script>

<script type="text/javascript">

$(window).load(function(){

alert("hello");

});

</script>

</head>

<body>

</body>

</html>

# Use CSS property

## Color Change

<!DOCTYPE html>

<html>

<head>

<script src="https://ajax.aspnetcdn.com/ajax/jQuery/jquery-2.2.1.js"> </script>

<script>

window.jQuery || document.write("<script src='jquery-2.2.4.js'><\/script>");

</script>

<script type="text/javascript">

$(document).ready(function(){

$("#button1").css("background-color", 'yellow');

});

</script>

</head>

<body>

<input id="button1" type="button" value="Click me" />

</body>

</html>

# Find number of element present

<!DOCTYPE html>

<html>

<head>

<script src="https://ajax.aspnetcdn.com/ajax/jQuery/jquery-2.2.1.js"> </script>

<script>

window.jQuery || document.write("<script src='jquery-2.2.4.js'><\/script>");

</script>

<script type="text/javascript">

$(document).ready(function(){

// $("#button1").css("background-color", 'yellow');

if ($('#button1').length > 0){

alert("Element Found");

}else{

alert('Element not found');

}

});

</script>

</head>

<body>

<input id="button1" type="button" value="Click me" />

</body>

</html>

# Select the elements by tag name use jQuery Element Selector

**Syntax :** $(element)

$('td') // Selects all td elements

$('div a') // Select all anchor elements that are descendants of div element

$('div, span, a') // Selects all div, span and anchor elements

## Alerts the total count of td elements on the page

<!DOCTYPE html>

<html>

<head>

<title></title>

<script src="https://ajax.aspnetcdn.com/ajax/jQuery/jquery-2.2.1.js"> </script>

<script>

window.jQuery || document.write("<script src='jquery-2.2.4.js'><\/script>");

</script>

<script type="text/javascript">

$(document).ready(function () {

alert($('td').length);

});

</script>

</head>

<body>

<table style="border:1px solid black; border-collapse:collapse">

<tr>

<td>C#</td>

<td>ASP.NET</td>

<td>SQL Server</td>

</tr>

<tr>

<td>ADO.NET</td>

<td>jQuery</td>

<td>JavaScript</td>

</tr>

<tr>

<td>AJAX</td>

<td>CSS</td>

<td>HTML</td>

</tr>

<tr>

<td>VB</td>

<td>Dot NET</td>

<td>Visual C++</td>

</tr>

<tr>

<td>Oracle</td>

<td>Java</td>

<td>J2EE</td>

</tr>

</table>

<br /><br />

<div>

DIV 1

<br />

<a href="http://pragimtech.com">PragimTech</a>

</div>

<br /><br />

<a href="http://google.com">Google</a>

<br /><br />

<div>DIV 2</div>

<br /><br />

<span>SPAN 1</span>

<br /><br />

<div>DIV 3</div>

</body>

</html>

## Select all elements

Selects all the tr elements on the page and changes their background colour to red

<script type="text/javascript">

$(document).ready(function () {

$('tr').css('background-Color', 'red');

});

</script>

## HTML content of the table

<script type="text/javascript">

$(document).ready(function () {

alert($('table').html());

});

</script>

## Html sub content

Alerts the HTML content of each table row

<script type="text/javascript">

$(document).ready(function () {

$('table tr').each(function () {

alert($(this).html());

});

});

</script>

## Select multiple elements

Select and changes the background colour of all the div, span and anchor elements

<script type="text/javascript">

$(document).ready(function () {

$('div, span, a').css('background-Color', 'yellow');

});

</script>

## Select all anchor elements that are descendants of div element

<html>

<head>

<title></title>

<script src="jquery-1.11.2.js"></script>

<script type="text/javascript">

$(document).ready(function () {

$('div a').css('background-Color', 'yellow');

});

</script>

</head>

<body>

<div>

<a href="http://pragimtech.com">PragimTech</a>

</div>

<br />

<a href="http://microsoft.com">Microsoft</a>

</body>

</html>

## Select even & odd elemnts

Changes the background color of even rows to gray and odd rows to yellow on both the tables.

<html>

<head>

<title></title>

<script src="jquery-1.11.2.js"></script>

<script type="text/javascript">

$(document).ready(function () {

$('tr:even').css('background-Color', 'gray');

$('tr:odd').css('background-Color', 'yellow');

});

</script>

</head>

<body>

<table id="table1" border="1">

<tr>

<td>C#</td>

<td>ASP.NET</td>

<td>SQL Server</td>

</tr>

<tr>

<td>ADO.NET</td>

<td>jQuery</td>

<td>JavaScript</td>

</tr>

<tr>

<td>AJAX</td>

<td>CSS</td>

<td>HTML</td>

</tr>

<tr>

<td>VB</td>

<td>Dot NET</td>

<td>Visual C++</td>

</tr>

<tr>

<td>Oracle</td>

<td>Java</td>

<td>J2EE</td>

</tr>

</table>

<br />

<table id="table2" border="1">

<tr>

<td>Mark</td>

<td>Mary</td>

<td>Mike</td>

</tr>

<tr>

<td>John</td>

<td>Jade</td>

<td>Joy</td>

</tr>

<tr>

<td>Rob</td>

<td>Roy</td>

<td>Rachel</td>

</tr>

<tr>

<td>Sam</td>

<td>Sara</td>

<td>Smith</td>

</tr>

<tr>

<td>Todd</td>

<td>Tom</td>

<td>Theo</td>

</tr>

</table>

</body>

</html>

## Select id > elements

To change the background color of even rows to gray and odd rows to yellow just for one of the table, use #id selector along with element selector.

<script type="text/javascript">

$(document).ready(function () {

$('#table1 tr:even').css('background-Color', 'gray');

$('#table1 tr:odd').css('background-Color', 'yellow');

});

</script>

# Class selector

Syntax : $('.class')  
  
jQuery class selectors uses JavaScript's native **getElementsByClassName**() function if the browser supports it.

$('.small') // Selects all elements with class small

$('.small,.big') // Selects all elements with class small or big

$('div.small,.big') // Selects div elements with class small and any element with class big

## Select all

Selects all elements with class "small" and sets 5px solid red border

<html>

<head>

<title></title>

<script src="Scripts/jquery-1.11.2.js"></script>

<script type="text/javascript">

$(document).ready(function () {

$('.small').css('border', '5px solid red');

});

</script>

</head>

<body>

<span class="small">

Span 1

</span>

<br /><br />

<div class="small">

Div 1

</div>

<br />

<span class="big">

Span 2

</span>

<p class="big">This is a paragraph</p>

</body>

</html>

## Select all Class1 and Class2

Selects all elements with class "small" or "big" and sets 5px solid red border

<script type="text/javascript">

$(document).ready(function () {

$('.small, .big').css('border', '5px solid red');

});

</script>

## Class, element.class (.small, span.big)

Selects all elements with class "small" and all span elements with class "big" and sets 5px solid red border

<script type="text/javascript">

$(document).ready(function () {

$('.small, span.big').css('border', '5px solid red');

});

</script>

## Id > class

Selects all elements with class small that are nested in a an element with id=div2 and sets 5px solid red border

<html>

<head>

<title></title>

<script src="Scripts/jquery-1.11.2.js"></script>

<script type="text/javascript">

$(document).ready(function () {

$('#div2 .small').css('border', '5px solid red');

});

</script>

</head>

<body>

<div id="div1" class="small">

DIV 1

</div>

<br />

<div id="div2">

Div 2

<br />

<div class="small">

DIV 3

</div>

<br />

<span class="small">

SPAN

</span>

</div>

</body>

</html>

Selects all elements with class small and sets 5px solid red border. Notice div1 has 2 classes - small and big.

<html>

<head>

<title></title>

<script src="Scripts/jquery-1.11.2.js"></script>

<script type="text/javascript">

$(document).ready(function () {

$('.small').css('border', '5px solid red');

});

</script>

</head>

<body>

<div class="small big">

DIV 1

</div>

<br />

<div class="small">

DIV 2

</div>

</body>

</html>

## Selects all elements that has both the classes - small and big.

There should be no space between the class names.

<script type="text/javascript">

$(document).ready(function () {

$('.small.big').css('border', '5px solid red');

});

</script>

If you have a space between the two class names then we are trying to find descendants, i.e. find elements with class big that are descendants of an element with class small.

<html>

<head>

<title></title>

<script src="Scripts/jquery-1.11.2.js"></script>

<script type="text/javascript">

$(document).ready(function () {

$('.small .big').css('border', '5px solid red');

});

</script>

</head>

<body>

<div class="small big">

DIV 1

</div>

<br />

<div class="small">

DIV 2

<div class="big">

DIV 3

</div>

</div>

</body>

</html>

Another way to selects all elements that has both the classes - small and big is by using filter method. But this approach is slower because it will first create a list of objects with class "small" and then removes elements that does not have class "big"

<script type="text/javascript">

$(document).ready(function () {

$('.small').filter('.big').css('border', '5px solid red');

});

</script>

# Select All elements with attributes

**Syntax :**  
$('[attribute]')  
$('[attribute="value"]')

$('[title]') // Selects all elements that have title attribute

$('div[title]') // Selects all div elements that have title attribute

$('[title="divTitle"]') // Selects all elements that have title attribute value - divTitle

$('div[title="divTitle"]') // Selects all div elements that have title attribute value – divTitle

## Element - attribute

Selects all elements with title attribute and sets 5px solid red border

<html>

<head>

<title></title>

<script src="Scripts/jquery-1.11.2.js"></script>

<script type="text/javascript">

$(document).ready(function () {

$('[title]').css('border', '5px solid red');

});

</script>

</head>

<body>

<div title="div1Title">

DIV 1

</div>

<br />

<div title="div2Title">

DIV 2

</div>

<p title="pTitle">

This is a paragraph

</p>

<span title="div1Title">

SAPN 1

</span>

<br /><br />

<span>

SPAN 2

</span>

</body>

</html>

## Div - tittle attribute

Selects all div elements with title attribute and sets 5px solid red border

<script type="text/javascript">

$(document).ready(function () {

$('div[title]').css('border', '5px solid red');

});

</script>

## Attribute with value - div1Title

Selects all elements with title attribute value - div1Title, and sets 5px solid red border

<script type="text/javascript">

$(document).ready(function () {

$('[title="div1Title"]').css('border', '5px solid red');

});

</script>

## Div - title = div1Titl

Selects all div elements with title attribute value - div1Title, and sets 5px solid red border

<script type="text/javascript">

$(document).ready(function () {

$('div[title="div1Title"]').css('border', '5px solid red');

});

</script>

## Div - title & style

Selects all div elements with both title and style attributes, and sets 5px solid black border

<html>

<head>

<title></title>

<script src="Scripts/jquery-1.11.2.js"></script>

<script type="text/javascript">

$(document).ready(function () {

$('div[title][style]').css('border', '5px solid black');

});

</script>

</head>

<body>

<div title="divTitle" style="background-color:red">

Red DIV

</div>

<br />

<div title="divTitle" style="background-color:green">

Green DIV

</div>

<br />

<div title="divTitle">

Normal Div

</div>

<br />

<div>

Normal Div without any attributes

</div>

</body>

</html>

## Div – title= divTitle, style="background-color:red

Selects all div elements with title attribute value - divTitle, and style attribute value - background-color:red, and sets 5px solid black border

<script type="text/javascript">

$(document).ready(function () {

$('div[title="divTitle"][style="background-color:red"]')

.css('border', '5px solid black');

});

</script>

## Div – title or style

Selects all div elements with either title or style attributes, and sets 5px solid black border

<script type="text/javascript">

$(document).ready(function () {

$('div[title],[style]').css('border', '5px solid black');

});

</script>

## Attribute value selector

Attribute Equals Selector [name="value"]  
Attribute Not Equal Selector [name!="value"]  
Attribute Contains Selector [name\*="value"]  
Attribute Contains Word Selector [name~="value"]  
Attribute Contains Prefix Selector [name|="value"]  
Attribute Starts With Selector [name^="value"]  
Attribute Ends With Selector [name$="value"]

## title="div1Title"

Selects all elements that have title attribute value equal to div1Title

$('[title="div1Title"]')

## title!="div1Title"

Selects all elements that have title attribute value not equal to div1Title

$('[title!="div1Title"]')

## Attribute value containing the given substring

Selects all elements that have title attribute value containing the given substring - Title

$('[title\*="Title"]')

## Attribute value containing the given word - mySpan, delimited by spaces

Selects all elements that have title attribute value containing the given word - mySpan, delimited by spaces

$('[title~="mySpan"]')

## Attribute= myTitle or starting with myTitle followed by a hyphen (-)

Selects all elements that have title attribute value equal to myTitle or starting with myTitle followed by a hyphen (-)

$('[title|="myTitle"]')

## Div – title contain div

Selects all elements that have title attribute value starting with div

$('[title^="div"]')

## Div – title end Heading

Selects all elements that have title attribute value ending with Heading

$('[title$="Heading"]')

Selects all elements that have title attribute value equal to div1Title and sets 5px solid red border

<html>

<head>

<title></title>

<script src="Scripts/jquery-1.11.2.js"></script>

<script type="text/javascript">

$(document).ready(function () {

$('[title="div1Title"]').css('border', '5px solid red');

});

</script>

</head>

<body>

<div title="div1Title">

DIV 1

</div>

<br />

<div title="div2Title">

DIV 2

</div>

<p title="myTitle-paragraph">

This is a paragraph

</p>

<p title="myTitleHeading">

This is a paragraph

</p>

<span title="div1Title">

SAPN 1

</span>

<br /><br />

<span title="mySpan Heading">

SPAN 2

</span>

</body>

</html>

Selects all div elements that have title attribute value not equal to div1Title and sets 5px solid red border

<script type="text/javascript">

$(document).ready(function () {

$('div[title!="div1Title"]').css('border', '5px solid red');

});

</script>

THIS IS

$('div[title!="div1Title"]').css('border', '5px solid red');

EQUIVALENT TO

$('div:not([title="div1Title"])').css('border', '5px solid red');

Selects all elements that have title attribute value containing the given substring - Title, and sets 5px solid red border

<script type="text/javascript">

$(document).ready(function () {

$('[title\*="Title"]').css('border', '5px solid red');

});

</script>

Selects all elements that have title attribute value containing the given word - mySpan, delimited by spaces, and sets 5px solid red border

<script type="text/javascript">

$(document).ready(function () {

$('[title~="mySpan"]').css('border', '5px solid red');

});

</script>

Selects all elements that have title attribute value equal to myTitle or starting with myTitle followed by a hyphen (-) and sets 5px solid red border

<script type="text/javascript">

$(document).ready(function () {

$('[title|="myTitle"]').css('border', '5px solid red');

});

</script>

Selects all elements that have title attribute value starting with div and sets 5px solid red border

<script type="text/javascript">

$(document).ready(function () {

$('[title^="div"]').css('border', '5px solid red');

});

</script>

Selects all elements that have title attribute value ending with Heading and sets 5px solid red border

<script type="text/javascript">

$(document).ready(function () {

$('[title$="Heading"]').css('border', '5px solid red');

});

</script>

# AgGrid

https://ag-grid.com/javascript-data-grid/getting-started/

# Reference

<http://csharp-video-tutorials.blogspot.com/2015/03/jquery-attribute-value-selector.html>