



University of Central Punjab

Faculty of Information Technology

Course	Course Code	Section
Web Application Development	CSSE3143	<input type="checkbox"/> __
Registration #:	_____	Name: _____

jQuery Selectors

1. **\$("*")** : Selects all elements

```

1 <script>
2 $(document).ready(function() {
3     $("button").click(function() {
4         $("*").hide();
5     });
6 });
7 </script>

```

2. **\$(this)** : Selects the current HTML element

```

1 <script>
2 $(document).ready(function() {
3     $("button").click(function() {
4         $(this).hide();
5     });
6 });
7 </script>

```

3. **\$("p.intro")** : Selects all <p> elements with class="intro"

```

1 <html>
2 <head>
3 <script
   src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"></script>
4 <script>
5 $(document).ready(function() {
6     $("button").click(function() {
7         $("p.intro").hide();
8     });
9 });
10 </script>
11 </head>
12 <body>
13
14 <h2 class="intro">This is a heading</h2>
15
16 <p class="intro">This is a paragraph.</p>
17 <p>This is another paragraph.</p>

```

```
18
19 <button>Click me</button>
20
21 </body>
22 </html>
```

4. \$("p:first") : Selects the first <p> element

```
1 <html>
2 <head>
3 <script
   src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"></script>
4 <script>
5 $(document).ready(function() {
6     $("button").click(function() {
7         $("p:first").hide();
8     });
9 });
10 </script>
11 </head>
12 <body>
13
14 <h2>This is a heading</h2>
15
16 <p>This is a paragraph.</p>
17 <p>This is another paragraph.</p>
18
19 <button>Click me</button>
20
21 </body>
22 </html>
```

5. \$("ul li:first") : Selects the first element of the first

```
1 <html>
2 <head>
3 <script
   src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"></script>
4 <script>
5 $(document).ready(function() {
6     $("button").click(function() {
7         $("ul li:first").hide();
8     });
9 });
10 </script>
11 </head>
12 <body>
13
14 <p>List 1:</p>
15 <ul>
16     <li>Coffee</li>
17     <li>Milk</li>
18     <li>Tea</li>
19 </ul>
20
21 <p>List 2:</p>
22 <ul>
```

```
23 <li>Coffee</li>
24 <li>Milk</li>
25 <li>Tea</li>
26 </ul>
27
28 <button>Click me</button>
29
30 </body>
31 </html>
```

6. `$("ul li:first-child")` : Selects the first `` element of every ``

```
1 <html>
2 <head>
3 <script
  src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"></script>
4 <script>
5 $(document).ready(function() {
6   $("button").click(function() {
7     $("ul li:first-child").hide();
8   });
9 });
10 </script>
11 </head>
12 <body>
13
14 <p>List 1:</p>
15 <ul>
16   <li>Coffee</li>
17   <li>Milk</li>
18   <li>Tea</li>
19 </ul>
20
21 <p>List 2:</p>
22 <ul>
23   <li>Coffee</li>
24   <li>Milk</li>
25   <li>Tea</li>
26 </ul>
27
28 <button>Click me</button>
29
30 </body>
31 </html>
```

7. `$("[href]")` : Selects all elements with an href attribute

```
1 <html>
2 <head>
3 <script
  src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"></script>
4 <script>
5 $(document).ready(function() {
6   $("button").click(function() {
7     $("[href]").hide();
8   });
9 });
```

```

10 </script>
11 </head>
12 <body>
13
14 <h2>This is a heading</h2>
15
16 <p>This is a paragraph.</p>
17 <p>This is another paragraph.</p>
18 <p><a href="http://www.ucp.edu.pk">HTML Tutorial </a></p>
19 <p><a href="http://www.nu.edu.pk">CSS Tutorial </a></p>
20
21 <button>Click me</button>
22
23 </body>
24 </html>

```

8. `$("a[target='_blank']")` : Selects all `<a>` elements with a target attribute value equal to `"_blank"`

```

1 <html>
2 <head>
3 <script
  src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"></script>
4 <script>
5 $(document).ready(function() {
6   $("button").click(function() {
7     $("a[target='_blank']").hide();
8   });
9 });
10 </script>
11 </head>
12 <body>
13
14 <h2>This is a heading</h2>
15
16 <p>This is a paragraph.</p>
17 <p>This is another paragraph.</p>
18 <p><a href="http://www.ucp.edu.pk" target="_blank">HTML Tutorial </a></p>
19 <p><a href="http://www.nu.edu.pk">CSS Tutorial </a></p>
20
21 <button>Click me</button>
22
23 </body>
24 </html>

```

9. `$(":button")` : Selects all `<button>` elements and `<input>` elements of `type="button"`

```

1 <html>
2 <head>
3 <script
  src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"></script>
4 <script>
5 $(document).ready(function() {
6   $("button").click(function() {
7     $(":button").hide();
8   });
9 });
10 </script>

```

```

11 </head>
12 <body>
13
14 <h2>This is a heading</h2>
15
16 <p>This is a paragraph.</p>
17 <p>This is another paragraph.</p>
18
19 <button>Click me</button>
20
21 </body>
22 </html>

```

10. \$("tr:even") : Selects all even <tr> elements

```

1 <html>
2 <head>
3 <script
  src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"></script>
4 <script>
5 $(document).ready(function(){
6   $("tr:even").css("background-color", "yellow");
7 });
8 </script>
9 </head>
10 <body>
11
12 <h1>Welcome to My Web Page</h1>
13
14 <table border="1">
15   <tr>
16     <th>Company</th>
17     <th>Country</th>
18   </tr>
19   <tr>
20     <td>Alfreds Futterkiste</td>
21     <td>Germany</td>
22   </tr>
23   <tr>
24     <td>Berglunds snabbköp</td>
25     <td>Sweden</td>
26   </tr>
27   <tr>
28     <td>Centro comercial Moctezuma</td>
29     <td>Mexico</td>
30   </tr>
31   <tr>
32     <td>Ernst Handel</td>
33     <td>Austria</td>
34   </tr>
35   <tr>
36     <td>Island Trading</td>
37     <td>UK</td>
38   </tr>
39 </table>
40
41 </body>

```

```
42 </html>
```

11. Getting value from HTML elements

```
1 <html>
2 <head>
3 <script
  src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"></script>
4 <script>
5 $(document).ready(function(){
6   $("button").click(function(){
7     alert($("#input:text").val());
8     $("#input:text").val("Saeed Iqbal KhattaK");
9   });
10 });
11 </script>
12 </head>
13 <body>
14 <p>Name: <input type="text" name="user"></p>
15 <button>Set the value of the input field</button>
16 </body>
17 </html>
```

12. Getting value from drop down menu (select – option)

```
1 <html>
2 <title>Lecture 8</title>
3 <head>
4
5 <script
  src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"></script>
6 <script
  src="https://ajax.googleapis.com/ajax/libs/jquery/2.1.4/jquery.min.js"></script>
7 <script>
8 $(document).ready(function(){
9   $("#prov").click(function(){
10    if($("#prov option:selected").val() == "punjab"){
11      alert(" hi Punjab");
12      $("#punjab").show();
13      $("#kpk").hide();
14      $("#sindh").hide();
15      $("#balochistan").hide();
16    }
17  });
18 </script>
19 </head>
20 <body>
21 <b>Provinces :<b>
22 <p id="dropdown">
23 <select id="prov">
24 <option value="punjab">Punjab</option>
25 <option value="kpk">Khyber Pakhtunkhwa</option>
26 <option value="sindh">Sindh</option>
27 <option value="balochistan">Balochistan</option>
28 </select>
29 <br>
30 <b>Cities :<b>
31 <select id="punjab">
```

```

31 <option value ="Lahore">Lahore</option>
32 <option value ="fbd">Faisalabad</option>
33 <option value ="rpindi">Rawalpindi</option>
34 <option value ="Jehlum">Jehlum</option>
35 </select>
36 </body>
37 </html>

```

13. get the value of selected radio button

```

1 <html>
2 <head>
3 <title>Lecture 9</title>
4 <script type="text/javascript" src="http://code.jquery.com/jquery.min.js"></script>
5 <script type="text/javascript">
6     $(document).ready(function() {
7         $("input[type='button']").click(function() {
8             var radioValue = $("input[name='gender']:checked").val();
9             if(radioValue){
10                 alert("Gender is : - " + radioValue);
11             }
12         });
13     });
14 </script>
15 </head>
16 <body>
17     <h4>Please select your gender.</h4>
18     <p>
19         <label><input type="radio" name="gender" value="male">Male</label>
20         <label><input type="radio" name="gender" value="female">Female</label>
21     </p>
22     <p><input type="button" value="Get Value"></p>
23 </body>
24 </html>
25

```

Examples of the JavaScript string functions in action

1. **charAt(x)** Returns the character at the `âĀĬxâĀĬ` position within the string.

```

1 //charAt(x)
2 var myString = 'jQuery FTW!!!';
3 console.log(myString.charAt(7));
4 //output: F

```

2. **charCodeAt(x)** Returns the Unicode value of the character at position `âĀĬxâĀĬ` within the string.

```

1 //charAt(position)
2 var message="jquery4u"
3 //alerts "q"
4 alert(message.charAt(1))

```

3. **concat(v1, v2,â€¦)** Combines one or more strings (arguments v1, v2 etc) into the existing one and returns the combined string. Original string is not modified.

```
1 //concat(v1, v2,...)
2 var message="Sam"
3 var final=message.concat(" is a"," hopeless romantic.")
4 //alerts "Sam is a hopeless romantic."
5 alert(final)
```

4. **fromCharCode(c1, c2,â€¦)** Returns a string created by using the specified sequence of Unicode values (arguments c1, c2 etc). Method of String object, not String instance. For example: String.fromCharCode().

```
1 //fromCharCode(c1, c2,...)
2 console.log(String.fromCharCode(97,98,99,120,121,122))
3 //output: abcxyz
4 console.log(String.fromCharCode(72,69,76,76,79))
5 //output: HELLO
```

5. **indexOf(substr, [start])** Searches and (if found) returns the index number of the searched character or substring within the string. If not found, -1 is returned. â€œstartâ€œ is an optional argument specifying the position within string to begin the search. Default is 0.

```
1 //indexOf(char/substring)
2 var sentence="Hi, my name is Sam!"
3 if (sentence.indexOf("Sam")!==-1)
4 alert("Sam is in there!")
```

6. **lastIndexOf(substr, [start])** Searches and (if found) returns the index number of the searched character or substring within the string. Searches the string from end to beginning. If not found, -1 is returned. â€œstartâ€œ is an optional argument specifying the position within string to begin the search. Default is string.length-1.

```
1 //lastIndexOf(substr, [start])
2 var myString = 'javascript rox';
3 console.log(myString.lastIndexOf('r'));
4 //output: 11
```

7. **match(regex)** Executes a search for a match within a string based on a regular expression. It returns an array of information or null if no match is found.

```
1 //match(regex) //select integers only
2 var intRegex = /[0-9 -( )+]/;
3
4 var myNumber = '999';
5 var myInt = myNumber.match(intRegex);
6 console.log(myInt);
7 //output: 999
8
9 var myString = '999 JS Coders';
10 var myInt = myString.match(intRegex);
11 console.log(myInt);
12 //output: null
```

8. **replace(regex/substr, replacertext)** Searches and replaces the regular expression (or sub string) portion (match) with the replaced text instead.


```

1 //replace(substr, replacertext)
2 var myString = '999 JavaScript Coders';
3 console.log(myString.replace(/JavaScript/i, "jQuery"));
4 //output: 999 jQuery Coders
5
6 //replace(regexp, replacertext)
7 var myString = '999 JavaScript Coders';
8 console.log(myString.replace(new RegExp( "999", "gi" ), "The"));
9 //output: The JavaScript Coders

```

9. **search(regex)** Tests for a match in a string. It returns the index of the match, or -1 if not found.

```

1 //search(regex)
2 var intRegex = /[0-9 -( )+]+$/;
3
4 var myNumber = '999';
5 var isInt = myNumber.search(intRegex);
6 console.log(isInt);
7 //output: 0
8
9 var myString = '999 JS Coders';
10 var isInt = myString.search(intRegex);
11 console.log(isInt);
12 //output: -1

```

10. **slice(start, [end])** Returns a substring of the string based on the `start` and `end` index arguments, NOT including the `end` index itself. `end` is optional, and if none is specified, the slice includes all characters from `start` to end of string.

```

1 //slice(start, end)
2 var text="excellent"
3 text.slice(0,4) //returns "exce"
4 text.slice(2,4) //returns "ce"

```

11. **split(delimiter, [limit])** Splits a string into many according to the specified delimiter, and returns an array containing each element. The optional `limit` is an integer that lets you specify the maximum number of elements to return.

```

1 //split(delimiter)
2 var message="Welcome to jQuery4u"
3 //word[0] contains "We"
4 //word[1] contains "lcome to jQuery4u"
5 var word=message.split("l")

```

12. **substr(start, [length])** Returns the characters in a string beginning at `start` and through the specified number of characters, `length`. `length` is optional, and if omitted, up to the end of the string is assumed.

```

1 //substring(from, to)
2 var text="excellent"
3 text.substring(0,4) //returns "exce"
4 text.substring(2,4) //returns "ce"

```

13. **substring(from, [to])** Returns the characters in a string between `from` and `to` indexes, NOT including `to` itself. `to` is optional, and if omitted, up to the end of the string is assumed.

```
1 //substring(from, [to])
2 var myString = 'javascript rox';
3 myString = myString.substring(0,10);
4 console.log(myString)
5 //output: javascript
```

14. **toLowerCase()** Returns the string with all of its characters converted to lowercase.

```
1 //toLowerCase()
2 var myString = 'JAVASCRIPT ROX';
3 myString = myString.toLowerCase();
4 console.log(myString)
5 //output: javascript rox
```

15. **toUpperCase()** Returns the string with all of its characters converted to uppercase.

```
1 //toUpperCase()
2 var myString = 'javascript rox';
3 myString = myString.toUpperCase();
4 console.log(myString)
5 //output: JAVASCRIPT ROX
```

References :

1. [, www.tutorialpoint.com]
2. [, www.w3school.com]
3. [, www.sitepoint.com]
4. [, <http://marcgrabanski.com>]