

Same as CSS **Selectors / Filters** :first-child \$("p:first-child") All elements that are the first child of their parent :last-child \$("p:last-child") All elements that are the last child element :nth-child(n) \$("p:nth-child(2)") All elements that are the 2nd child element :first-of-type \$("li:first-of-type") All <1i> elements that are the first <1i> element of their parent \$("li:last-of-type") All <1i> elements that are the last <1i> element :last-of-type All <1i> elements that are the 2nd <1i> element :nth-of-type(n) \$("li:nth-of-type(2)") All elements that are the \$("p:only-child") :only-child only child of their parent :only-of-type All elements that are the \$("p:only-of-type") only child of its type

Like CSS Shortcut **Selectors / Filters** :eq(index) \$("ul li:eq(3)") The fourth element in the list (index starts at 0) :gt(number) \$("ul li:gt(3)") List elements with an index greater than 3 \$("ul li:lt(3)") :lt(number) List elements with an index less than 3 \$("input:not(selector)") :not(selector) All input elements that are not that selector All header elements (h1, :header \$(":header") h2,...) \$(":animated") All animated elements :animated :contains('string') \$(":contains('string')") Elements that contain the :has('element') \$(":has('element')") Elements that have the element \$(":empty") Elements with no child nodes :emptv :hidden \$("p:hidden") All hidden elements :visible \$("table:visible") All visible tables

```
Form related Filters
:input
                  $(":input")
                                            All input elements
                                            All input elements with
:text
                  $(":text")
                                            type="text"
:password
                  $(":password")
                                            type="password"
:radio
                  $(":radio")
                                            type="radio"
                                            type="checkbox"
                  $(":checkbox")
:checkbox
                  $(":submit")
                                            type="submit"
:submit
                                            type="reset"
                  $(":reset")
:reset
                                            type="button"
:button
                  $(":button")
                                            type="image"
:image
                  $(":image")
:file
                  $(":file")
                                            type="file"
:enabled
                                            All enabled input elements
                  $(":enabled")
:disabled
                  $(":disabled")
                                            All disabled input elements
:selected
                  $(":selected")
                                            All selected input elements
:checked
                  $(":checked")
                                            All checked input elements
 6
```

```
Selector / Filter - :first :last

$(document).ready(function() {

    $('li:first').css('background','#dedede');
    $('li:last').css('background','#ff0');

}); //end ready

    list item 1
    li>list item 2
    li>list item 3
    list item 3
    list item 4
    | list item 4
    | list item 4
    | list item 4
```

```
Like CSS Shortcut
 Selector / Filter - :even
$(document).ready(function() {
   $("li:even").css("color", "red");
}); //end ready
<111>
                                  starts counting at
  <1i>one</1i>
                     • one
                                          0
  two
                     • two
  three
                     • three
  four
  five
                     • four
</u1>

    five

 ▶ 11
```

```
Like CSS
 Selector / Filter - :nth-child(n)
$(document).ready(function() {
   $("li:nth_child(3)").css("color", "red");
}); //end ready
<111>
                                starts counting at
  <1i>one
                    one
                                       1
  two
  three
                    • two
  four
                    three
</u1>
                    · four
 12
```

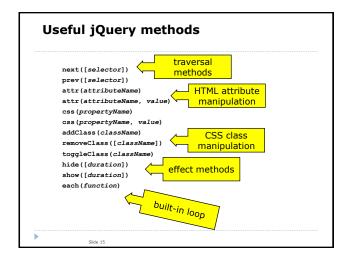
```
Like CSS
 Selector / Filter - :not(some_selector)
$(document).ready(function() {
   $("li:not(:first)").css("color", "red");
}); //end ready
<u1>
  one
  two
                  one
  three
                  two
  four
</u1>
                  three
                   four
 ▶ 13
```

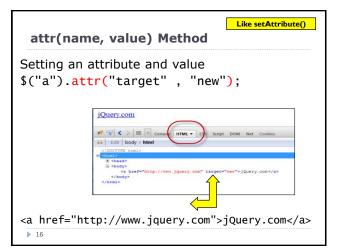
```
jQuery Methods

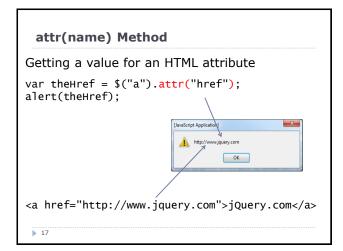
Methods can

set (write / change)
and
get (read / return)

properties/values
```







```
hasClass(class_name) Method

Testing to see if the class exists

<style>
    .colorRed {color: red}
    </style>
alert( $('h2').hasClass('colorRed') );
<h2 class="colorRed"></h2>
```

```
toggleClass(class_name) Method
Add and remove a class

$('#btn').click(function() {
    $('h2').toggleClass('colorRed');
}); //end click

Fiffects all
<h2> elements
```

```
toggleClass(class_name) Method

Adds and removes the class

$('h2').click(function() {

$(this).toggleClass('colorRed');

}); //end click

This example element has a class called colorRed

This example element has a class called colorRed

This example element has a class called colorRed
```

```
next() Traversal Method

Get the next sibling

$('li.third').next().addclass('colorRed');

    | class="tem 1
    | class="third">list item 3
    | list item 1
    | list item 2
    | list item 3
    | list item 4
```

```
prev() Traversal Method

Get the sibling immediately before

$('li.third').prev().addClass('colorRed');

    | clip | strict | tem | 1
    | clip | strict | str
```

```
each(function) Method - takes a function

$("li").each(function() {

$(this).css("color", "red");

Refers to each instance of the selector

}); // end each

$\frac{\text{cond fems}}{\text{cond fems}} \text{conside HTML - Css Stope DOM } \\

\text{is take body \text{htrol}} \\

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```

```
hide() Method

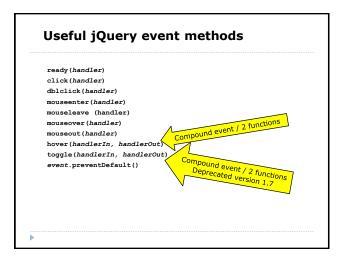
Hides the selector (display: none)

$('#btn1').click(function() {
    $('#para1').hide();
}); // end click

<input type="button"
    id="btn1"
    value="click Me">

> 26
```

```
show() Method
Shows the selector (display: block)
$('#btn2').click(function() {
    $('#para1').show();
}); // end click
<input type="button"
    id="btn2"
    value="Click Me">
```



```
click() Event Method - code will run for each click
$(document).ready(function() {
    $('#btn').click(function() {
        // code to be executed here
    }); // end click
}); // end ready
```

```
hover() Event Method
  - takes 2 functions for mouseover / mouseout

$('h2').hover(
    function() {
        $(this).addclass('effect');
    }, // end mouseover

function() {
        $(this).removeClass('effect');
    } // end mouseout

); // end hover
```

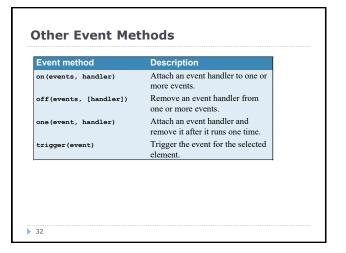
```
toggle() Event Method - DEPRECATED
  - takes 2 functions for 1st click / 2nd click

$('#para1').toggle(
   function() {
       $(this).css('color', 'red');
      }, // first click

   function() {
       $(this).css('color', 'black');
      } // second click

); // end toggle

> 31
```



```
on() Event Method - using named function
function changeRed() {
    $(this).css('color', 'red');
}

$('#para1').on('click doubleclick', changeRed);

$('#para1').click(changeRed);

$('#para1').doubleclick(changeRed);

> 35
```

```
off() Event Method - using named function
function changeRed() {
    $(this).css('color', 'red');
}

$('#para1').on('click', changeRed);

$('#para1').off('click');
```

```
one() Event Method - code will run once
$(document).ready(function() {
    $('#btn').one('click', function() {
        // code to be executed here
    }); // end one
}); // end ready
```

```
DOM Manipulation Methods – not in text

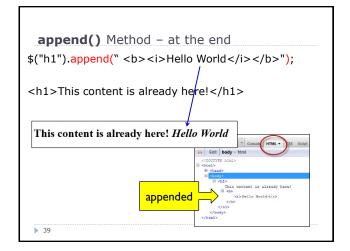
append() method

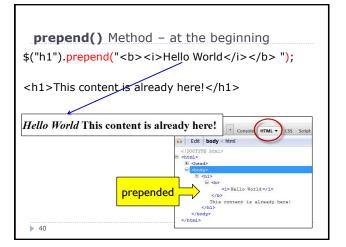
This method will add the new content to the end of the existing content.

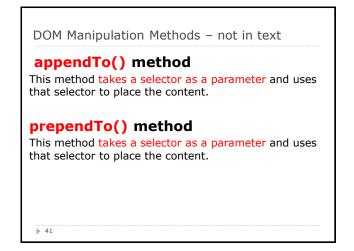
prepend() method

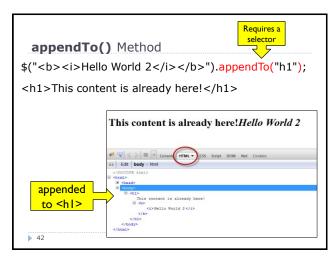
This method will add the new content to the beginning of the existing content.

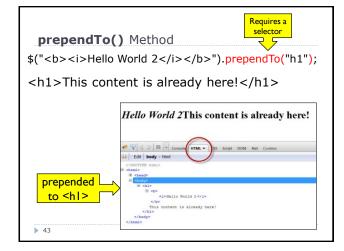
Note: html() replaces existing content!
```

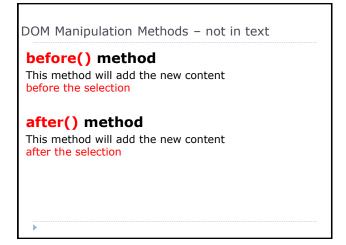


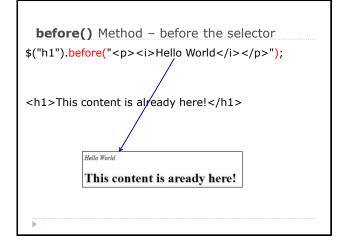


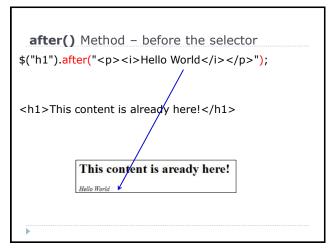












insertBefore() method
This method takes a selector as a parameter and uses that selector to place the content.

insertAfter() method
This method takes a selector as a parameter and uses that selector to place the content.

