

jQuery

- Light weight JavaScript library
- Write less do more

Why Use jQuery

- Short Selectors
- Variety of animation functions
- Easy Dom manipulation
- Easy CSS styling
- Browser Independent
- Increase Coding Speed

Short Selectors Example

```
document.getElementsByClassName('classname')
```

```
$('.classname')
```

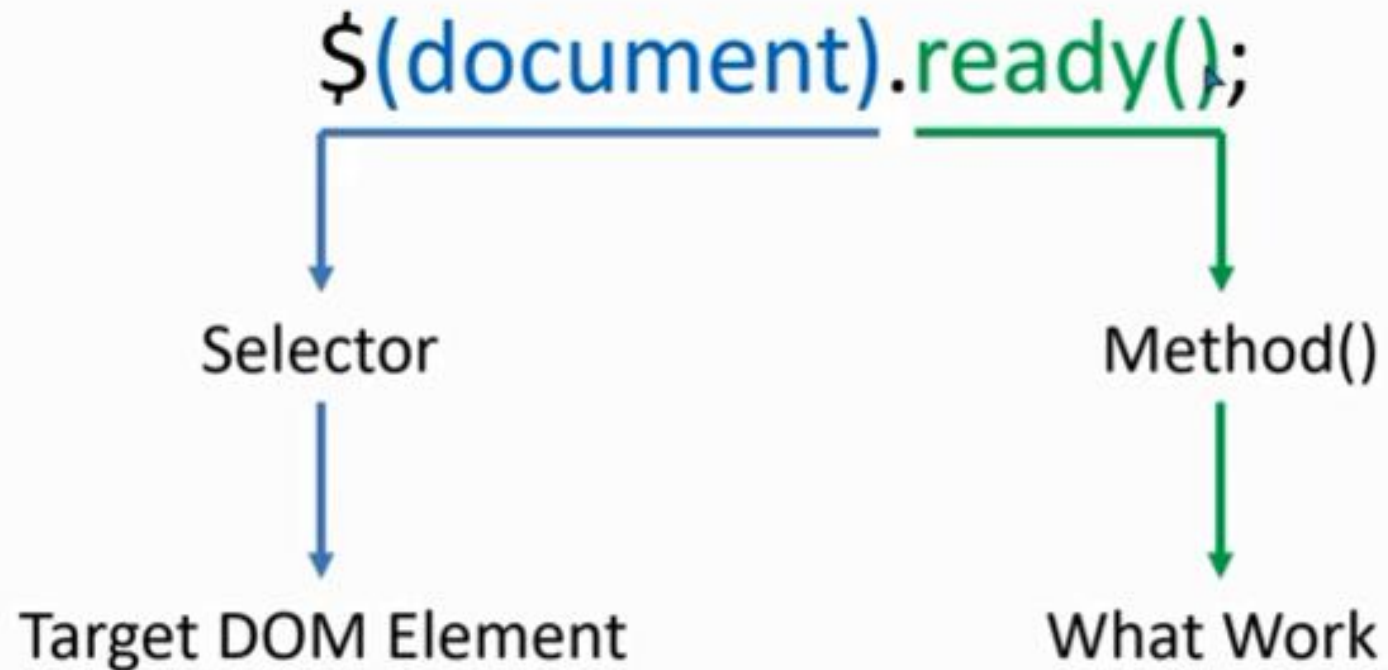
```
document.getElementById('idname')
```

```
$('#idname')
```

```
document.getElementsByTagName('tagname')
```

```
$('tagname')
```

Basic Syntax



Basic Syntax

```
$(document).ready(function){  
});
```

```
$(function){  
});
```

Advanced selectors

`$("*")`

`$("p:first")`

`$("ul li")`

`$("p:last")`

`$(".abc , .xyz")`

`$("li:even")`

`$("h1, div, p")`

`$("li:odd")`

Apply css

```
$(document).ready(function(){  
  
  $('#div1').click(function(){  
    $(this).css('border','2px solid green');});  
  
});
```

Mouse events

- Click()
- dblclick()
- Contextmenu() //right click
- Mouseleave()
- Mouseenter()
- Eg.

```
$('#div1').dblclick(function(){  
$(this).css('background-color','yellow');});
```


keyboard events

- `KeyPress()`
- `KeyDown()`
- `KeyUp()`

Form events

- Focus()
- Blur()
- Change()
- Select()
- Submit()

methods

- `Hide(slow/fast/1000,function(){})`
- `Show(slow/fast/1000,function(){})`

Fade methods

- fadeIn()
- fadeOut()
- fadeToggle()
- fadeTo()

Parameter:

- Speed (slow/fast/2000)
- Function(){}

Fade to Parameter:

- Speed (slow/fast/2000)
- Opacity: (0.6)
- Callback: (function)

Slide Methods

- `slideUp(speed, callback function)`
- `slideDown(speed, callback function)`
- `Toggle (speed, callback function)`

chaining

- Chaining allows us to run multiple jQuery methods (on the same element) within a single statement

```
$('#b4').click(function()  
{  
  $(".aa").css("color", "red")  
    .slideUp(2000)  
    .slideDown(2000)  
    .slideUp(2000);  
});  
});
```

animate

`$(selector).animate({params},speed,callback);`



Almost any CSS Property (color, background-color)



CSS Property should be in Camel Case

padding-left → paddingLeft

```
$("#button").click(function(){  
    $("#div").animate({  
        left: '250px',  
        opacity: '0.5',  
        height: '150px',  
        width: '150px'  
    });  
});
```

stop

The jQuery `stop()` method is used to stop an animation or effect before it is finished.

```
$('#b2').click(function()  
{  
  $('#.aa').stop();  
});
```


On()

The `on()` method attaches one or more event handlers for the selected elements and child elements.

As of jQuery version 1.7, the `on()` method is the new replacement for the `bind()`, `live()` and `delegate()` methods.

```
$(document).ready(function(){
    var count = 0;
    $(document).on("click","p",function(){
        $(this).after("<p>Another paragraph! " + (++count) + "</p>" )
    })
});
```

Add class()

You can also specify multiple classes within the `addClass()` method

```
$('#b1').click(function(){  
  $('#p').html("1");  
  $('#p').addClass("p2");  
});
```

Remove class(), Toggle class

```
$("#button").click(function(){  
    $("#h1, h2, p").removeClass("p2");  
});
```

```
$("#button").click(function(){  
    $("#h1, h2, p").toggleClass("p2");  
});
```

attr

You can also set attributes on any event

```
$(document).ready(function(){  
  $('#b1').click(function(){  
    $('#img').attr("src","cc.jpg");  
  });  
});
```

You can also set multiple attributes on any event

```
$('#b1').click(function(){  
  $('#img').attr({  
    "src":"cc.jpg",  
    "height":"400px;"});  
});
```