





# Welcome to JavaScript made easier

(with jquery!)



# Let's Recap

// Strings

"Hello People!" "test@sample.com" "702-555-1212"

// Numbers

1 5345 3.1415 -234 0.004

// Arrays

[1, 2, 3] ["a", "b", "c"] [document, window, navigator]

// Objects

{"name": "Jeremy"} {"size": 4, "color": "red"}

// Booleans

true false

// Comparisons

> < >= <= == !=



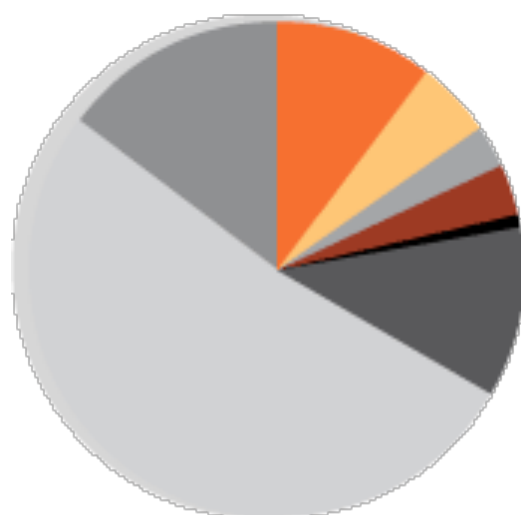
# Let's Recap

```
// functions
function alertMessage(msg) {
  alert(msg);
}
alertMessage("Hello!");
console.log("xyz".toUpperCase());
// if statements
if(6 > 1) {
  alert("Thanks flonase!");
} else {
  alert("apparently I don't know math");
}
```



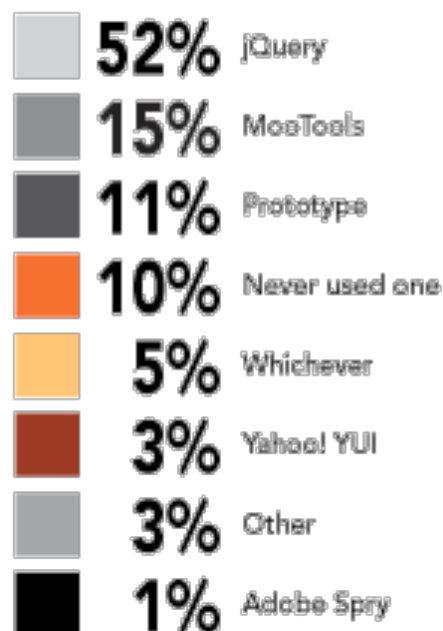
# Libraries

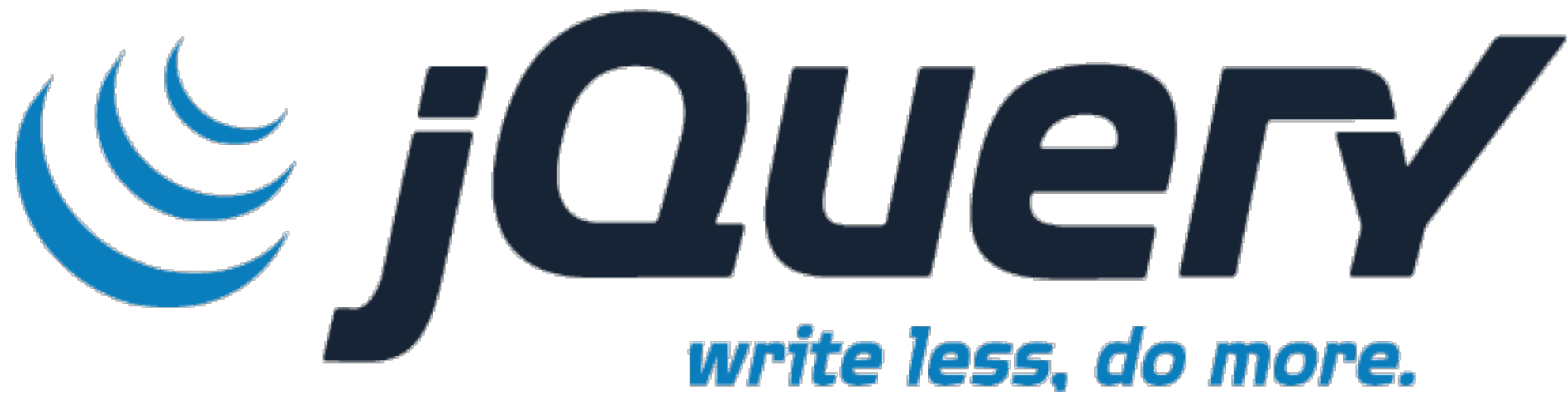
a bit of code some one else wrote so you can be lazy



## Poll Results

What is your Javascript library of choice?







# Non-jQuery

```
// click a button to make a pop-up modal show up
var anchors = document.querySelectorAll("a.btn");
function addClick(link, cb) {
  if("addEventListener" in window) {
    return link.addEventListener("click", cb, false);
  } else {
    return link.attachEvent("onclick", function() { return cb(window.event); });
  }
}
for(var i = 0; i < anchors.length; i++) {
  var link = anchors[i];
  addClick(link, function() {
    // do stuff to make the modal popup...
  });
}
```





# with jQuery

```
// click a button to make a pop-up modal show up
$(“a.btn”).on(“click”, function() {
  // do stuff to make modal popup
});
```



# benefits of jQuery

- Cross browser compatible
- built in event handling
- widely used
- Cross browser compatible
- helper functions



# breakdance



I mean down



# dolla dolla bill y'all

```
// $  
// finding elements  
$("img").attr("src");  
$("section.wrap").append("<p>a new line</p>");  
$("#taco").toggleClass("eat");  
// extending objects  
$(window).width();  
$(window).height();  
$(document).ready();  
// iterating collections  
$([1,2,3,4]).each(function(iteration, number) {  
    alert(number * number); // 1, 4, 9, 16  
});
```



# Events

```
// $ events
```

```
click
```

```
dblclick
```

```
hover
```

```
keypress
```

```
keydown / keyup
```

```
mousedown / mouseup
```

```
mousemove
```

```
mouseenter / mouseleave
```

```
scroll
```

```
resize
```

```
submit
```



# Using Events

```
// $ events
```

```
$(element).on(eventName, callBackFunction);
```

jQuery

the css selector  
or element

the “on” function

the name of the event as a string

the function that runs  
once the event has been  
performed



# with jQuery

```
// click a button to make a pop-up modal show up
var cssSelector = "a.btn";
var eventName = "click";
var callBackFunction = function() {
  // a user just clicked on an <a class="btn"> element
  // so now we can do whatever is in here
};

$(cssSelector).on(eventName, callBackFunction);
// Note: the callBackFunction doesn't run until AFTER the
// event has been performed
```







# Questions?

! ? ?