

LESSON 10 Conditional Statements



First Thing-

LET'S PRACTICE MORE

Check Out

ASSIGNMENT ##1

JQUERY METHODS

What do these do?

```
.parent();  
.children();  
.siblings();  
.next();  
.prev();  
.find();  
event.preventDefault();  
.ready();
```

JQUERY IN ACTION

What do these do?

```
$( "li" ).parent().css("border", "1px solid red");
```

```
$( "#box-20" ).next().css({  
    "background-color": "yellow",  
    "color": "black"  
});
```

```
$( ".class-19" ).toggleClass('container');
```

JQUERY IN ACTION

What does this do?

```
$(document).ready(function {  
  $(' .container').click(function {  
    $('li').parent().css({  
      'color': 'red',  
      'border': "2px dotted #222"  
    });  
  });  
});
```

COMPARING DATA



Check Out

ASSIGNMENT #2

While the Lecture is Going On

COMPARISON OPERATORS

Allow you to compare instead of define values

>	(greater than)
>=	(greater than or equal to)
<	(less than)
<=	(less than or equal to)
==	(equality)
!=	(inequality)

COMPARISON OPERATORS

They usually compare integers or boolean variables within a conditional statement

```
var blackjack = 21, daysInAWeek = 7;  
if (blackjack >= daysInAWeek) {  
    // valid condition  
    // function will execute this code  
}
```

CONDITIONAL STATEMENTS

Most simplistic version

```
if (test1 === test2) {  
    // anything in here will be run  
}
```


CONDITIONAL STATEMENTS

If / Else gives the computer two paths to go down

```
if (test1 == test2) {  
    // if true, run  
} else {  
    // if not true, run  
}
```

CONDITIONAL STATEMENTS

If / Else If allows for deep conditional nesting.
Be careful with this - don't confuse yourself.

```
if (test1 === test2) {  
    // run if first condition is true  
} else if (test1 >= test2) {  
    // run if second condition is true  
} else {  
    // runs if neither are true  
}
```

REMEMBER

When you use '=' that defines a value. If you try to use '=' in a comparison statement, you will reassign variables!

```
var blackjack = 21, daysInAWeek = 7;  
if (blackjack = daysInAWeek) {  
    // valid condition  
    // function will execute this code  
}
```


CODE ALONG

Look at Assignment #2



**MORE WITH
FUNCTIONS**

.VAL()

A jQuery method that gets you values or sets values, especially useful with forms

```
$("#selector").val();  
// outputs value HTML attribute
```

```
$("#selector").val(test);  
// set value HTML attribute with test  
variable
```


RETURN

This is the way you get a function to return a set value. Grown-up programming.

```
function addThings(val1, val2) {  
    var sum = val1 + val2;  
    return sum;  
}  
var newNumber = addThings(1, 2);  
console.log(newNumber); // output 3
```

CODE ALONG

Look at Assignment #2

NEXT TIME

Start clicpic HW

Final Project Concept Due Wednesday
JS Conditionals and This