Announcements

• Project #3 has been posted
• Don’t forget the Term Paper!
Reminder....

If your JavaScript is not working (especially if NOTHING shows up in the browser) then:

Render it in Google Chrome and invoke the “Java Console”
• Ctrl-Shift-J on PC
• Cmd-Option-J on Mac

This will usually give you a message about where and why things went wrong.
Functions

A function is a block of code that is given a name.

We have been calling functions that are built-in:

- `prompt()`
- `alert()`
- `Number()`
- `document.writeln()`
- `Math.random()`
- `Math.floor()`

Today we will see how you can write your own functions!
Functions

Here is an example of a function:

```javascript
function copyRight() {
    document.writeln("<h3>&copy; 2014 Fawzi Emad<h3>" incentives);  
}
```

Any time I want to run this code, I call the function by name:

```javascript
copyRight();
```

Example: Function1.html
Function2.html
Parameters

Parameters are variables declared at the top of a function. We can use these variables to pass information to the function when it is called:

```javascript
function printName(name, size) {
  document.writeln("<p style='font-size:' + size + 'pt'>");
  document.writeln(name);
  document.writeln("</p>"ัญ);
}
```

To call this function, we must specify values (arguments):

```javascript
printName("Fawzi", 12);  or...
printName("Bob", 18);
```

Example:   Parameters1.html  
Parameters2.html  
PrintNameExample1.html  
PrintNameExample2.html
Sometimes functions can *return* a value back to the caller:

```javascript
function areaOfRectangle(length, width) {
    var area = length * width;
    return area;
}
```

To call this function, we must *USE* the return value somehow:

```javascript
answer = areaOfRectangle(10, 4);
```

**Example:** [ReturnValue1.html](mailto:ReturnValue1.html)  
[ReturnValue2.html](mailto:ReturnValue2.html)