

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:

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

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

```
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:

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

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

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

Example: [Parameters1.html](#)
 [Parameters2.html](#)
 [PrintNameExample1.html](#)
 [PrintNameExample2.html](#)

Return Values

Sometimes functions can *return* a value back to the caller:

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

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

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

Example: [ReturnValues1.html](#)
[ReturnValues2.html](#)