

# Announcements

- Term paper has been assigned
- Project #3 will be posted tomorrow
- Bring laptops on Friday

# More Nested Loops

## Example

- **Nested Lists**

# Do-While Loops

```
...  
do {  
    ...  
    ...  
    ...  
} while (... some boolean condition... );  
...
```

Repeats block of code over and over as long as condition is true.

Note: If condition is *initially* false, then block of code runs *once* anyway.

Examples: [DoWhileLoop1.html](#)  
[DoWhileLoop2.html](#)

# 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 foo () {  
    ...  
    ...  
    ...  
}
```

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

```
foo ();
```

**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);
```