

LESSON 10: LOOPS

OVERVIEW

Used to create sections of our code that will process _____
based on a condition

If the condition never _____ we could be stuck in an
_____ and crash the script, so we should be sure to
consider:

- » Should we work with a _____, and end the loop when the
desired _____ is achieved?
- » Should we work with a looser _____ that is reevaluated and
eventually satisfied through a variable _____ in the loop?
- » Should we work with a _____, moving through each item, and
stopping when the end is reached?

[Scripting]

FOR...

Define a loop that repeats based on a _____

```
for (__1__; __2__; __3__) {  
    __4__  
}
```

1. The counter variable. This is quite often:
2. The condition for the counter. This is often something like:
3. The counter change. This is quite often:
4. The code to process for each
_____.

WHILE...

Define a loop that repeats based on a condition

```
while (__1__) {  
    __2__  
}
```

1. The _____
2. The code to process for each

DANGER: It is easy to create an infinite loop if the code block does not account for a possible change to alter the condition.

[Scripting]

LOOPING WITH JQUERY .EACH()

Often we loop with a list of items we selected with _____. In such cases we can use:

```
$(__1__).each(function(i, o){  
    __2__  
});
```

1. A _____ or _____ holding an enumerable object (array, object, string)

2. Code to process for each item in the object.

Parameters represented by i and o here are:

» i - the number of the _____ or item index (counting from ____)

» o - the _____ itself; can also use the keyword _____