LESSON 10: LOOPS

OVEVIEW

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 _____, moving through each item, and stopping when the end is reached?

» Should we work with a looser _____ that is reevaluated because a variable should eventually be _____ by the loop?

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 _____.

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 _____

[Scripting]

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]