**THE 'FOR' LOOP**

Almost every coding language has a way to repeat an action a certain number of times. You may want to blink a light exactly 10 times, for example, or create 10 random numbers.  That's what the 'for' loop allows you to do. I found a list of the most used programming languages in 2017 and then looked up the specific syntax for each language to run a command 499 times. The command is not important; what is demonstrated here is that the structure of each of these 'for' loops is similar and often exactly the same! Take a look at the list of programming languages and the format for a 'for' loop below- no need to understand all of the code, just look at the letters, punctuation, and formatting.

**C++**

for(int i=0; i<500; i++) {

}

**Objective** C

for(int i=0; i<500; i++) {

}

**Javascript**

for(var i=0; i<500; i++) {

}

**Java**

for(int i=0; i<500; i++) {

}

**Swift**

for i in 0..<500 {

}

**Python**

for i in range(0, 500):

**C#**

for(int i=0; i<500; i++) {

}

**PHP**

for($i=0; $i<500; $i++) {

}

**Ruby**

for i in 0..499

end

**Golang**

for i :=0; i<500; i++ {

}