

Name: Katie Salas

## Lesson 4 – Looping

1. Create a list that holds 5 data variables.

```
data_variables = ["lenth", "time", "density", "height", "strength"]
```

2. Print out those variables by using a for loop.

```
data_variables = ["lenth", "time", "density", "height", "strength"]
for data in data_variables:
    print (data)
```

```
lenth
time
density
height
strength
```

3. Modify your for loop to add a message to your for loop.

```
data_variables = ["lenth", "time", "density", "height", "strength"]
for data in data_variables:
    print ("I like measuring " + data + "!")
```

```
I like measuring lenth!
I like measuring time!
I like measuring density!
I like measuring height!
I like measuring strength!
```

4. Use a for loop to print even numbers from 1-20.

```
for num in range (1,21):  
    if num % 2 == 0:  
        print (num)
```

```
2  
4  
6  
8  
10  
12  
14  
16  
18  
20
```

5. Sort your list in alphabetical order.

```
data_variables = ["lenth", "time", "density", "height", "strength"]  
data_variables.sort()  
print (data_variables)
```

```
['density', 'height', 'lenth', 'strength', 'time']
```

6. Print out the first three elements of your list.

```
data_variables = ["lenth", "time", "density", "height", "strength"]  
data_variables.sort()  
print (data_variables[0:3])
```

```
['density', 'height', 'lenth']
```

7. Create a loop to print the last 2 elements of your list.

```
data_variables = ["lenth", "time", "density", "height", "strength"]  
for v in data_variables [3:5]:  
    print (v)
```

```
height  
strength
```