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Lesson 4 – Looping

1. Create a list that holds 5 data variables.

```
data = [1, 2, 3, 4, 5]
```

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

```
for i in data:  
    print(i, end=' ')
```

```
1 2 3 4 5
```

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

```
for i in data:  
    print(i, end=' ')  
    print('added message')
```

```
1 added message  
2 added message  
3 added message  
4 added message  
5 added message
```

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

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

2 4 6 8 10 12 14 16 18 20

5. Sort your list in alphabetic order.

```
data.sort()
```

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

```
print(data[:3])
```

[1, 2, 3]

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

```
for i in range(1, 3):  
    print(data[i * (-1)])
```

5
4