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Lesson 4 – Looping

1. Create a list that holds 5 data variables.

```
fruits = ["apples", "bananas", "kiwi", "cherry", "peach"]
```

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

```
fruits = ["apples", "bananas", "kiwi", "cherry", "peach"]
```

```
for fruit in fruits:
```

```
    print(fruit)
```

apples

bananas

kiwi

cherry

peach

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

```
fruits = ["apples", "bananas", "kiwi", "cherry", "peach"]
```

```
for fruit in fruits:
```

```
    print("Do you like " + fruit + " ? " + fruit.title() + " contain a lot of vitamins.")
```

```
    print("You should eat " + fruit.upper() + " every day.")
```

```
print("Or minimum two fruits per day!")
```

Do you like apples? Apples contain a lot of vitamins.

You should eat APPLES every day.

Do you like bananas? Bananas contain a lot of vitamins.

You should eat BANANAS every day.

Do you like kiwi? Kiwi contain a lot of vitamins.

You should eat KIWI every day.

Do you like cherry? Cherry contain a lot of vitamins.

You should eat CHERRY every day.

Do you like peach? Peach contain a lot of vitamins.

You should eat PEACH every day.

Or minimum two fruits per day!

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

```
for x in range(2, 21, 2):
```

```
    print(x)
```

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

5. Sort your list in alphabetic order.

```
fruits = ['cherry', 'bananas', 'kiwi', 'apples', 'peach']
```

```
print(sorted(fruits))
```

```
['apples', 'bananas', 'cherry', 'kiwi', 'peach']
```

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

```
fruits = ['cherry', 'bananas', 'kiwi', 'apples', 'peach']
```

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

```
['cherry', 'bananas', 'kiwi']
```

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

```
fruits = ['cherry', 'bananas', 'kiwi', 'apples', 'peach']
```

```
for fruit in fruits[3:]:
```

```
    print(fruit)
```

```
apples
```

```
peach
```