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Lesson 4 – Looping

1. **Create a list that holds 5 data variables.**

fruits= ['mango', 'watermelon', 'orange','apple','banana']

1. **Print out those variables by using a for loop.**

fruits= ['mango', 'watermelon', 'orange','apple','banana']

for fruit in fruits:

print(fruit)

Output:

mango

watermelon

grape

apple

banana

1. **Modify your for loop to add a message to your for loop.**

fruits= ['mango', 'watermelon', 'orange','apple','banana']

for fruit in fruits:

print("My favorite fruit is " + fruit.lower() + ".")

Output:

My favorite fruit is mango.

My favorite fruit is watermelon.

My favorite fruit is orange.

My favorite fruit is apple.

My favorite fruit is banana.

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

numbers= list(range(2,22,2))

for num in numbers:

print(num)

Output:

2

4

6

8

10

12

14

16

18

20

1. **Sort your list in alphabetical order.**

fruits= ['mango', 'watermelon', 'orange','apple','banana']

for fruit in sorted(fruits):

print(fruit)

Output:

apple

banana

mango

orange

watermelon

1. **Print out the first three elements of your list.**

fruits= ['mango', 'watermelon', 'orange','apple','banana']

for fruit in fruits[:3]:

print(fruit)

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

fruits= ['mango', 'watermelon', 'orange','apple','banana']

for fruit in fruits[3:5]:

print(fruit)

or

fruits= ['mango', 'watermelon', 'orange','apple','banana']

for fruit in fruits[-2:]:

print(fruit)