Introduction to Python (Spring 2024)

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**Class 3 Homework Exercises**

1. What does this program print?

pressure = 71.9

if pressure > 50.0:

pressure = 25.0

elif pressure <= 50.0:

pressure = 0.0

print(pressure)

*25.0*

1. Given a list of cities = ["New York”, “London”, “Paris”, “Tokyo”, “Shanghai”], write a for loop to print the number of characters in each city’s name.

*For x in cities:*

*print(len(x))*

1. Given a list of cities = ["New York”, “London”, “Paris”, “Tokyo”, “Shanghai”], and a sublist travel = [“Tokyo”, “Shanghai”], write a loop to count how many elements in cities are also in travel (Hint: you will first have to create a variable to store a number)

*count = 0*

*For x in cities:*

*for y in travel:*

*if x == y:*

*count += 1*

*print(count)*

1. Write the code to ask what programming languages you do not know, and if the answer is Python, prints “Not anymore!”

*language = input(“What programming languages do you not know? ”)*

*if language == “python”:*

*print(“Not anymore!”)*