Introduction to Python (Spring 2024)

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**Class 3 Homework Exercises**

1. Create a table showing the numbers of the lines that are executed when this program runs, and the values of the variables after each line is executed.

total = 0

for char in "tin":

total = total + 1

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)

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.
2. Given a list of cities = ["New York”, “London”, “Paris”, “Tokyo”, “Shanghai”], and a sublist travel = [“Tokyo”, “Shanghai”], write a loop to count how elements in cities is also in travel (Hint: you will first have to create a variable to store a number)
3. Write the code to ask what programming languages you do not know, and if the answer is Python, prints “Not anymore!”