

Introduction to Python

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Class 2

Class 2 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

2. 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))

3. 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)
```

4. 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!")
```