Lab 2.03 – Triangle Program

In your notebook

Follow the flow of execution in the following programs and predict what will happen for each one

Example 1

1. Follow the flow of execution in the following programs and predict what will happen for each one:

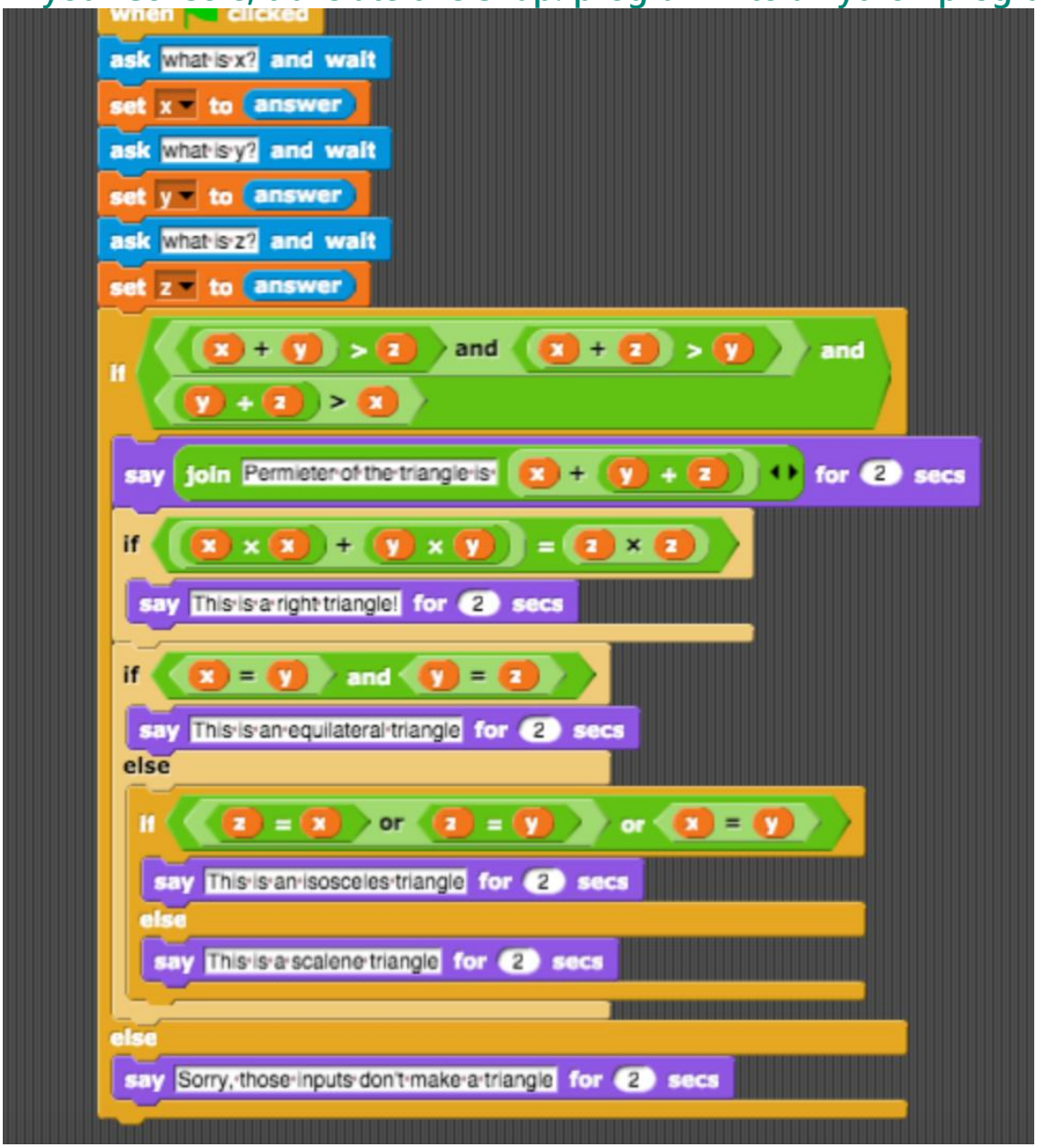
Example 2

```
    a = input("What... is your quest")
    b = "to seek the holy grail"
    if a != b:
        print("Go On. Off you go")
    else:
        b = input("What...is the air-speed velocity of an unladen swallow?")
        if b == "What do you mean? An African or European swallow?":
            print("I don't know that...AHHH [Bridgekeeper was thrown over
bridge]")
        else:
            print("[you were thrown over bridge]")
```

Example 3

```
    user_input = input("What is your favorite color"):
    if user_input == 'blue':
        print("Blueskadoo")
    elif user_input == "red":
        print("Roses are red!")
    elif user_input == "yellow":
        print("Mellow Yellow")
    elif user_input == "green":
        print("Green Machine")
    elif user_input == "orange":
        print("Orange you glad I didn't say banana.")
    elif user_input == "black":
        print("I see a red door and I want it painted black")
    elif user_input == "purple":
        print("And we'll never be royalllssss")
    elif user_input == "pink":
        print("Pinky- and the Brain")
    else:
        print("I don't recognize that color. Is it even...??")
```

In your Console, translate this Snap! program into a Python program



Create a triangle program

- The program will ask for the lengths of all three sides of a triangle.
- The program will find the perimeter.
- The program will display what kind of triangle it is or if it is a triangle

Bonus

Research lists in Python. Re-implement problem 2 using lists.