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Lab 2.03 - Game Show

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...??")
```

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In your Console

Translate this Snap! program into a Python program

```
ask what is x? and wait
set x to answer
ask what is y? and wait
set y to answer
ask what is z? and wait
set z to answer
п
      foln Permieter of the triangle is
       This is a right triangle! for (2)
  say This is an equilateral triangle for 2 secs
 else
   say This is an isosceles triangle for 2 secs
        This is a scalene triangle for (2) secs
 say Sorry, those inputs don't make a triangle for (2)
```

Create a game show program

- Declare 10 prizes (prize1, prize2, prize 3 at the top of your file)
- User picks a number
- The prize corresponding with that door is printed for the user.

Bonus

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Research lists in Python. Re-implement problem 3 using lists.