Intro to Python Homework

Question 1

In your own words explain what a variable is and why we need to use variables.

Question 2

In Python we are not able to add a string with an integer as we have previously learned. However, is it possible to add a string with a float? What about dividing a string by an integer? You may try it in Processing and see what happens.

Question 3

Write some code to print out a triangle consisting of stars. It needs to look like the following….

```
*
**
***
****
*****
```

Question 4

What do the following lines of code output? DO NOT COPY AND PASTE THE CODE!!! You should be able to do this without running the code.

```
x = 5
y = "Bob"
print("My name is " + y + " and I am " + str(x + 2) + " years old.")
x = 12 / 2
y = 10
print(x + y * 2)
```