Home Work II (Day 2)

Arithmetic Operators and Variables

1. Calculate the multiplication and sum of two numbers?

2. Create a string made of the first, middle and last character?
   Expected Output: Quality Thought

3. Use Python code to print out the following:
   One half of 100 is 50. Use a variable to print out the number 50

4. Type these numbers after the equals sign for your **myTotal** variable:

   myTotal = 4 + 2 * 8 - 6

   Can you see why the answer you get when you run your code is 14?

5. If you are dividing, you can use two forward slashes to do floor division:

   myTotal = 7 // 5

   This will get you the answer of 1 rather than the 1.4 we had before.

6. You can tell Python what you mean with round brackets, parentheses. Add two round brackets to your code:

   myTotal = (8 + 2) * 10

7. For example, change your **myTotal** line to this:

   myTotal = 8 + 2 * 10

8. Likewise, if we had this:

   myTotal = 8 + 10 / 2

   But if we add round brackets:

   myTotal = (8 + 10) / 2

9. So, Python sees that there is 16 stored in the **numberOne** variable and 4 stored in the **numberTwo** variable. It adds these up and stores the result in the **answer** variable.

   You can also mix the two, variables and hard-code numbers:

   answer = numberOne + numberTwo + 20

   answer = 10 * numberOne + (numberTwo + 20)

   answer = numberOne + 20 + numberTwo – 10

10. Creating a program of strings with concatenation:

   FirstName = "Quality"

   SeconName = "Thought"

   Expected Output:

   Full Name is: Quality Thought