Assignment #1 – Simple Numeric Programs.

All three parts are to be included in one program called *Assignment1.py*

Include header comment codes:

#Assignment1.py

#*yourname*

#*yourclassblock*

Email: When you email, you must include a subject line with the following format. If you do not, I will delete your email, and it will be considered unsubmitted!

Subject line: Assignment1, *Name*, *Block*

-Each of the three sections should be in ONE file named: A1\_*yourname*.py

-Make sure the file is saved in your u:\CS110 folder

-At the end of this assignment, there is a sample output which shows exactly how your output should be!

-email file to [andrew.colwell@nbed.nb.ca](mailto:andrew.colwell@nbed.nb.ca)

Part 1

Create a program to calculate a 14% service tip for restaurant server. Have the user input the meal cost, then print out how much the tip would be for 14% of the meal cost.

Part 2

Create a program that gets the user input for a number between 0 and 9.

Double the input number.

Add 5 to the result.

Multiply the result by 5.

Print out the result.

Ask for another number from the user between 0 and 9.

Add this number to the result.

Print out the result.

Subtract 25 from the result.

Print out the first digit of the result with this format: *The first number you chose was:*

Print out the second digit of the result with this format: *The second number you chose was:*

Part 3

Create a program that gets the user input of a number that ends in 5 and store it in userNum.

The program must then manipulate the number in the following way:

Ignore the last five. e.g. 65 🡪 6

Multiply what is left by itself +1 6\*(6+1) = 42

Then put 25 as the last two digits. 4225

Print the result as: The square of userNum is: The square of 65 is 4225.

Sample output:

