FYP GitHub Workshop Lab

This lab is about the basic features (**Pull requests, merging, branches, commits**) of GitHub. Try to complete every task in this tutorial.

General Rundown:

1. Create a GitHub account for everyone
2. Create a repository for this lab
3. Initialize the repository with the base code
4. Work on the functions using GitHub's features

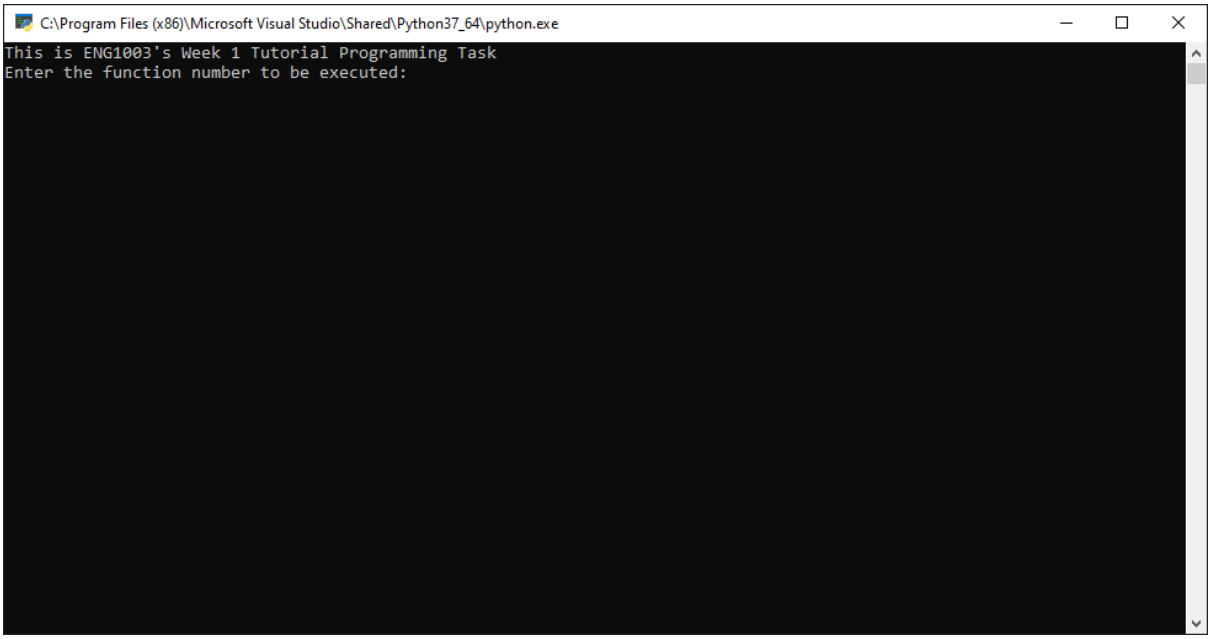
Programming Task (C++/Python)

Complete the individual parts and combine them later in GitHub's website. The Group needs to complete a programme which would be able to run multiple different simple functions.

Main Function:

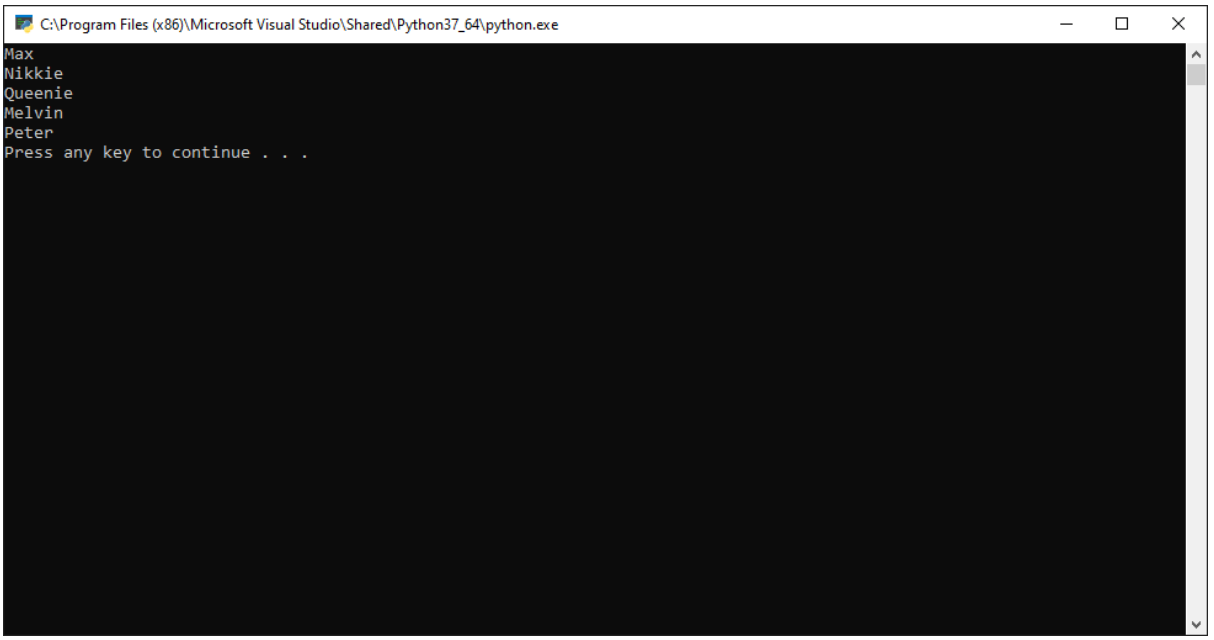
Create a main function that could:

1. Allow users to input an integer
2. Execute a corresponding function according to the input

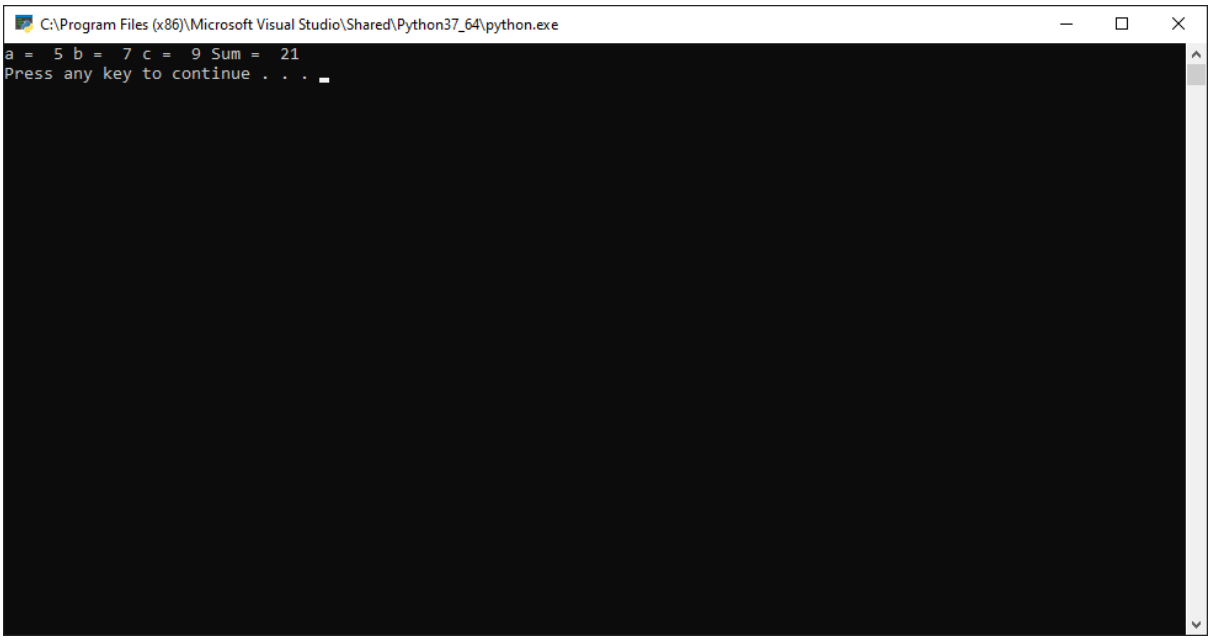


Function List:

1. **Printing Members' Names**
   Create a function that will output names of all group members in separate lines.

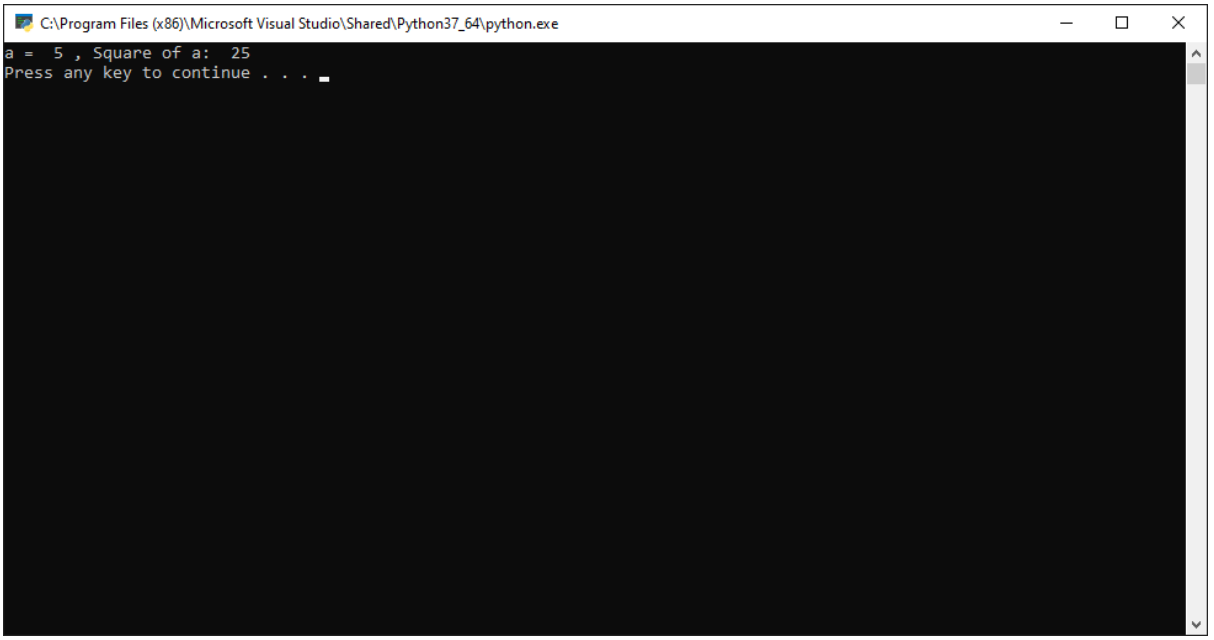


2. **Adding 3 Variables**
   Define 3 integer variables, output the 3 variables and the sum of the 3 variables.



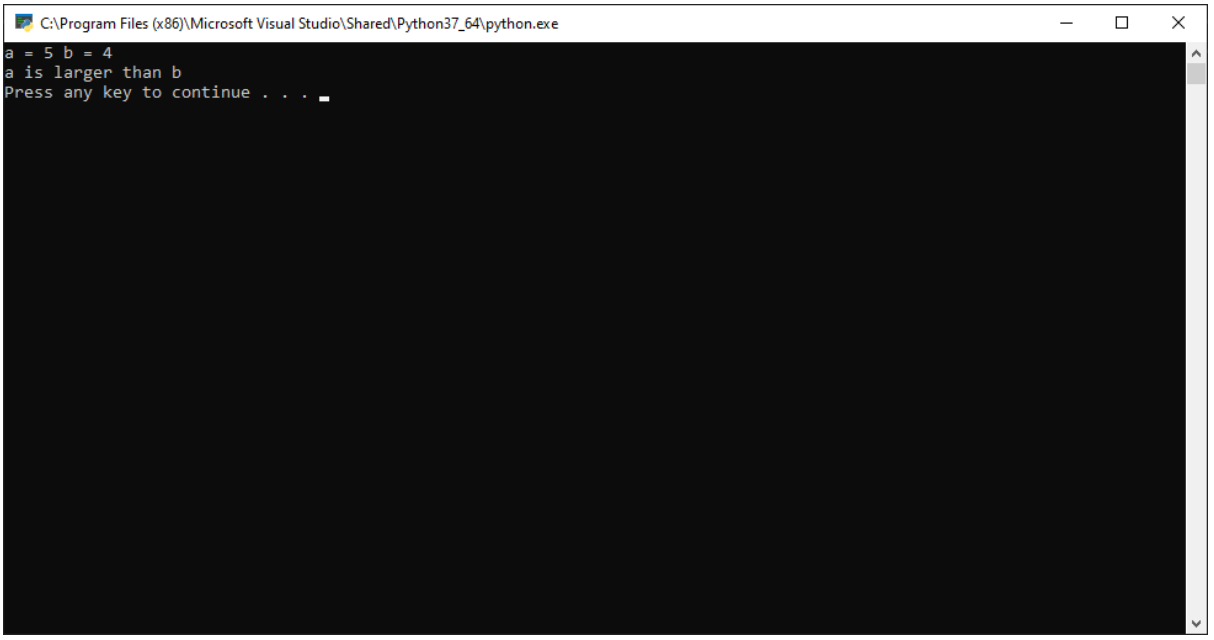
3. **Variable Squaring**

Define a variable, output the variable and the square of it.



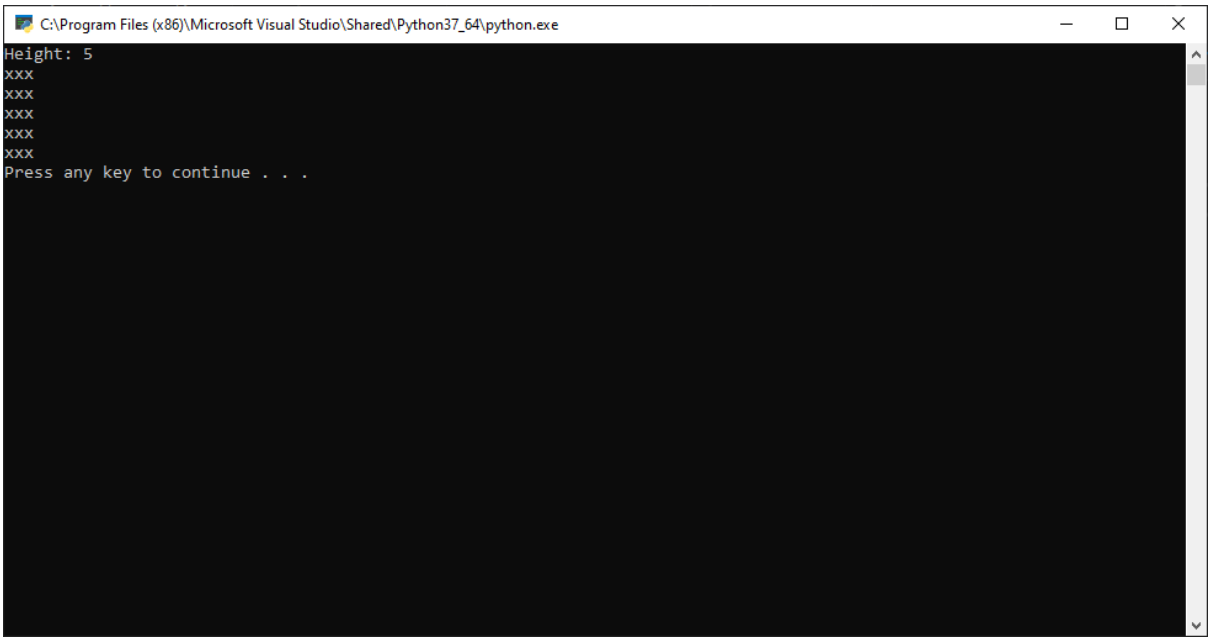
4. **Variable Comparison**

Define 2 variables, output the result after comparing the 2 variables (<, > or =).



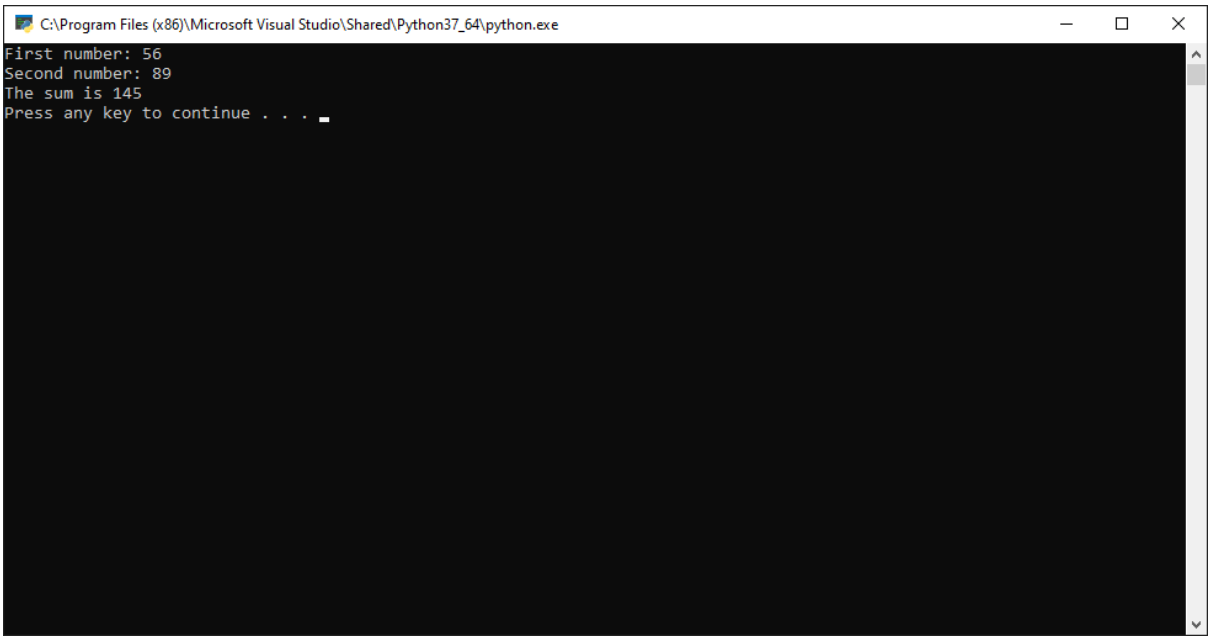
5. **Tower Builder**

Ask for an integer input to be the height. The tower should be 3 characters wide. Print the building using the 'X' character.



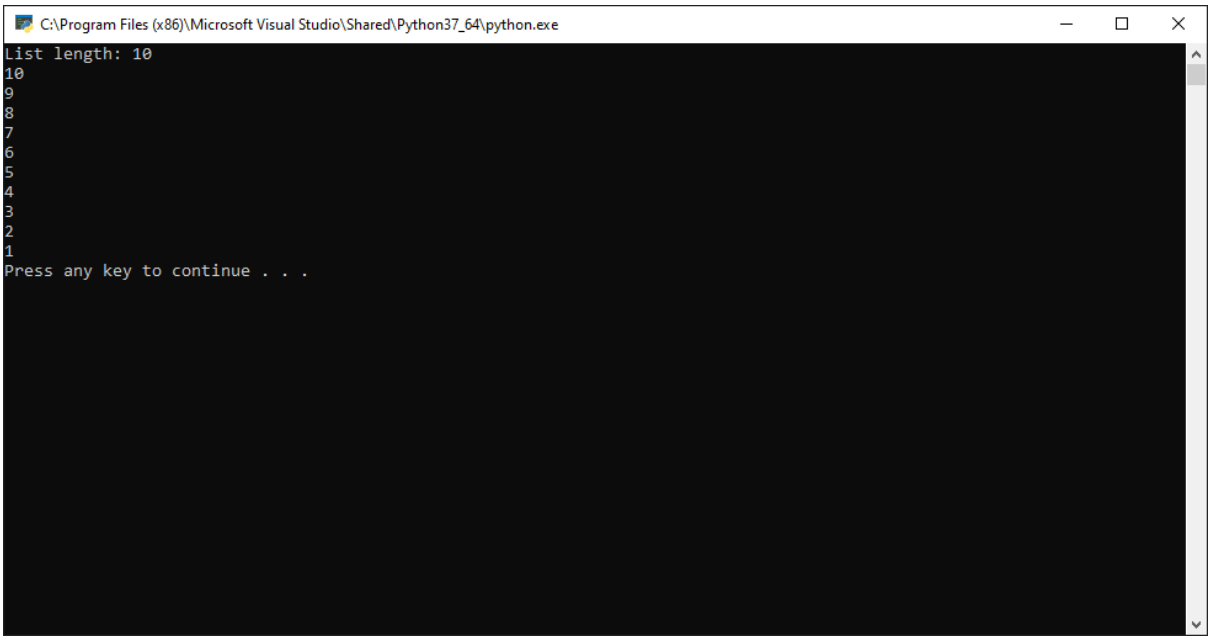
6. **Addition Calculator**

Input 2 integers and output the sum of the 2 numbers.



7. Reversed List

Input the length of the list and output a reversed integer list based on the input length.



8. Square Printer

Input the size of the square and print it out using '[ ]' as building blocks