Lab 12: Object Oriented Programming

Objective

This lab is to introduce you to basics of classes in C++.

Assignment

In today's program, you have to collect the address of two users. The address must contain name, street name, apartment number and mobile number. You have to ask the user to input their address one by one and then print it.

Details and requirements

1. You have to create 3 files. 1 header file, 1 function definition file and 1 main file.
2. Create a class in header file with any name you find meaningful.
3. Inside the class define all the variables for name, address, and phone number under the **private**
4. Declare the mutators and accessor functions under **public**.
5. In the function description file greet the user, ask the user to enter his/her details and store them using the mutator functions, print the address through accessor functions. For the variable phone number, validate the input. The number should be exactly 10 digits.
6. In the main file make 2 objects of the class and name them
7. Then with those objects call the above functions

Sample output:

Hello User

Enter your name: Andrew James
Enter your address: 1300 N oak Street
Enter your mobile number: 573856974

Name: Andrew James
Address: 1300 N oak Street
Cell Number: 573856974
Have a nice day

Hello User

Enter your name: Price Clayton
Enter your address: 300 Pine Street
Enter your mobile number: 23536436

Name: Price Clayton
Address: 300 Pine Street
Cell Number: 23536436
Have a nice day