Object oriented Programming Laboratory
Lab1.1

1. A phone number, such as (212) 767-8900, can be thought of as having three parts: the area code (212), the exchange (767), and the number (8900). Write a C++ program that uses a structure to store these three parts of a phone number separately. Call the structure phone. Create two structure variables of type phone. Initialize one, and have the user input a number for the other one. Then display both numbers. The interchange might look like this:

   > Enter your area code, exchange, and number: 415 555 1212
   > My number is (212) 767-8900
   > Your number is (415) 555-1212

2. Define a class Date that contains details like year, month and date. Write a C++ program to check the validity of the date that you enter and display the next date.

   Sample 1 : 02/ 03/ 1990

   Valid, Next date: 03/03/1990

   Sample 2: 29/02/1989

   Not Valid

3. Define a class to represent bank account. Include members like name of depositor, account no, Type of account, balance amount in the account. Write C++ program with member functions to a) Assign initial values b) To deposit an account c) To withdraw an amount after checking the balance
   d) To display name and balance

4. Write a class which represents the shape triangle. The member functions should a) Check the validity of the triangle b) display the sides c) find the area and display it.