CSEN3113
Day 2
Assignment

1. Write a class Time which has three data member hour, minute and second and three member functions: **setTime(list of arguments**) : Which set three data members of class **addTime(Time):** To add two time values where one time value(object) is passed as argument of addTime().**showTime():** To display the time information.

2. Define a class to represent a bank account. Include the following members.
Data members
 a) Account number
 b) Balance amount in the account.
Member functions.
 a) To assign initial values
 b) To display account number and balance.
 c) void moneyTransfer(….) To transfer amount from one account from one account to other .
 Write a program to test successful transfer of money from one account to other. Use concept of passing object reference and object by pointer to solve the problem.

3. Write a class (named Complex) consisting of two member variable to represent real part and imaginary part of a complex number and it has Six member functions:
 void getData(): to take input at runtime for data members.
 void showData(): to display the complex number.
 Complex addComplex(Complex): to add two complex number and return the result through object.
 Complex subComplex(Complex): to subtract two complex number and return the result through object.
 Complex mulComplex(Complex): to multiply two complex number and return the result through object.
 Complex mulComplex(int val): to multiply a integer to complex number and return the result through object.

4. Suppose you have pairs of numbers in your program, and you want to be sure that the smaller one always precedes the larger one. Write a C++ program that calls a function order () which checks two numbers passed to it by reference and swaps the originals if the first is larger than the second.

5. Create a class called TIME that has separate data member for hours, minutes and seconds. A member function should display the time in the format hh:mm:ss. Another member function should add two objects of type TIME passed as arguments. Write a program in C++ to do this.