10-03-2021 Lab II Questions

1. Write a C++ program to create a Student Information System for a class of N students. Student Information system should maintain the Roll Number, Name, Marks1, Marks2 and Marks3. Write suitable member functions to prepare a list of students who has obtained higher marks and above average in all the three subjects. (Use different types of creation of objects, Array of objects, pass and return objects as arguments wherever necessary).
2. Write a C++ program to create a Banking application using classes and objects with basic data members and member functions. Banking application should include the provisions for the following functions: (Use various types of constructors with constructor overloading and destructors, Default arguments)
3. Opening an account
4. Showing account information
5. Deposit of money
6. Withdrawal of money
7. Search of customer details and balance

(Create objects using dynamic allocation operators. Use this pointer wherever necessary)

1. Write a C++ program to generate Fibonacci series using classes and objects. Use inline functions wherever necessary.
2. Write a C++ program to retrieve the current time of a clock (Hours and minutes) by different objects belonging to a class using static data members and static member functions
3. Write a C++ program to illustrate and practice the usage of Constant pointer, Pointer to a constant and Constant pointer to a constant.
4. Write a C++ program using classes and objects to add, subtract and multiply two distances and return the appropriate results (Convert the distance into appropriate feet and inches after addition) – Make use of this pointer and Reference variables.