Exercise – 1 & 2

18CSC202J – Object Oriented Design and Programming- C++

Simple Programs: I/O Operations, Classes and Objects

1. Write a C++ Program to Swap Numbers in Cyclic Order Using Call by Reference.
2. Write a C++ program to find the value of a number raised to its power using call by value.
3. Write a program in C++ to print the prime number between two intervals.
4. Write a C++ program to illustrate the static variable functionality using sum of a Fibonacci series as an example.
5. *Write a program in C++ to c*alculate Standard Deviation using Function.
6. *Write a program in C++ to extract and print numbers available in a string.*
7. Develop a C++ program to perform matrix multiplication for 2 matrices A and B. The resultant matrix may be stored in Matrix C.
8. *Write a C++ program to count the number of words, characters, alphabets, vowels, consonants and digit in a line of text.*
9. Write a C++ program to illustrate the concept of class and object creation. (Ask students to create a class, methods and invoke them inside main method).
10. Write a C++ program to define a class Date that holds day, month and year as data members. Also write necessary member methods to
    a) Read a date
    b) Print a date in different formats
    c) Find the date exactly one week after the given date. e.g. If the given date is 30-10-2013, then the resultant date is 6-11-2013.