

## C++ Assignments

### Assignment 1

- Q1. Write a program to swap two numbers.
- Q2. Write a program to implement structure for generating marksheet.
- Q3. Write a program to find simple interest using functions.
- Q4. Write a program to implement function to pass an array as an argument and use reference variable.

### Assignment 2

- Q1. Write a program to read your name and display the name and its length. (Basic input/output)
- Q2. Write a program to implement concepts of classes and objects (basic).
- Q3. Write a program to implement a point class having p(x,y). Perform following .
  - (i) Swap the value of two-point objects
  - (ii) Pass a point object to a function and modify the value and return the object.

### Assignment 3

- Q1. Write a program to implement function overloading.
- Q2. Write a program to implement all Constructor and destructor
  - (i) Simple Constructor
  - (ii) Parameterized Constructors & Constructor overloading
  - (iii) Copy Constructor
- Q3. Write a program for string addition and string comparison using operator overloading (use + and == operators).

### Assignment 4

- Q1. Write a program to implement Friend function.
- Q2. Write a program to implement all types of Inheritance
  - i) Simple
  - ii) Multiple
  - iii) Multilevel
  - iv) Hierarchal
  - v) Hybrid

- Q3 Write a program to implement function overriding.

### Assignment 5

- Q1. Write a program to implement exception handling.

Q2. Write a program that reads a text file and create a file that is identical to it except that every consecutive sequence of blank spaces is replaced by a single space