Don Bosco Institute of Technology, Kurla(W) Department of Electronics and Tele-Communication Engineering ECL304 - Skill Lab: C++ and Java Programming

Sem III 2021-22

Lab Number:	1
Student Name:	UMER SHAIKH
Roll No:	44

Title:

To Add Two Numbers, Print Number Entered by User, Swap Two Numbers, Check Whether Number is Even or Odd

1.2 Implement using C++

Learning Objective:

• Students will be able to write java programs for simple arithmetic operations and take input from users.

Learning Outcome:

- Ability to execute a simple Java program with and without any inputs to the program.
- Understanding the constructs in C++.

Course Outcome:

ECL304.1 Understand object-oriented programming concepts and implement us	sing C++
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Theory:

Difference between procedural and object oriented language:

A procedural programming language consists of a set of procedure calls and a set of code for each procedure. On the other hand, object oriented languages are based on entities known as objects. Procedural language: Simple, easy implementation of compilers and interpreters Object oriented language: Improved software development productivity due to modularity, extensibility and reusability

Faculty: Ms. Deepali Kayande

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Application of object orientation:

Main application areas of OOP are: User interface design such as windows, menu. Real Time Systems. Simulation and Modelling. Object oriented databases. AI and Expert System. Neural Networks and parallel programming. Decision support and office automation systems

Brief introduction to C++:

C++ is a cross-platform language that can be used to create high performance applications. It was developed by Bjarne Stroustrup, as an extension to the C language. It gives programmers a high level of control over system resources and memory. It is an object-oriented programming language which gives a clear structure to programs and allows code to be reused, lowering development costs. Also, it is portable and can be used to develop applications that can be adapted to multiple platforms.

Algorithm :	STEP 1: start
	STEP 2 : define two numbers n1 and n2
	STEP 3:input number 1 , n1
	input number 2, n2
	STEP 4: addition of two numbers n1 and n2
	STEP 5 : swapping of two numbers n1 and n2
	STEP 6 :odd or even
	STEP 7: end
Program:	https://github.com/umershaikh17/Skill-lab-with-oopm.git
Input given:	number 1 : 21
	number 2 : 4

Output Screenshot:

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