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:	Sakshi Kailash Morey
Roll No:	34

Title:

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

- 1.1 Implement using C++
- 1.2 Implement using Java

Learning Objective:

• Students will be able to write C++ and java program for simple arithmetic operations and take input from user.

Learning Outcome:

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

Course Outcome:

Ī	ECL304.1	Understand ob	iect-oriented pro	ogramming o	concepts and i	mplement using	C++ and Ja	va
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Theory:

Difference between procedural and object oriented language

Application of object orientation

Brief introduction to C++ and Java

Faculty: Ms. Deepali Kayande

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C ++ PROGRAMMING

1.TO ADD TWO NUMBERS:

Algorithm :	1. Step 1 - Input 1, 1, 12 Step 2 - result = 11 + 12 Step 3 - Print 1+ 12	
Program:	//To Add Two Numbers	

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	cout<<" is odd \n";
	return 0;
Input given:	C:\Users\sweet\OneDrive\Documents\n1,n2,temp.exe enter first number
Output Screenshot:	enter first number 77 enter second number 89 First Number=77 Second Number=89 Addition of 77 and 89 is 166 Swapping Swapped numbers n1= 89 and n2= 77 even or odd 89 is odd

2. TO PRINT NUMBERS ENTERED BY USER

Algorithm	
:	
	2. Step 1 - input num 1, num2
	Step 3- print num 1, num2
Program:	//TO PRINT NUMBERS ENTERED BY USER
	// Print Number

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```
Entered by User
              #include<iostream>
              using
              namespace
              std; int
              main()
              {
              int num1,num2;
                    cout<<"\n Enter 2
                    numbers";
                    cin>>num1>>num2;
                    cout<< " Entered numbers are:" << num1<< " "
                    << num2; return 0;
              }
Input
            C:\Users\sweet\OneDrive\Documents\c++ enter 2 no.exe
given:
            Enter 2 numbers _
Output
              C:\Users\sweet\OneDrive\Documents\c++ enter 2 no.exe
Screenshot:
              Enter 2 numbers 88
              Entered numbers are:88 77
             Process exited after 35.64 seconds with return value 0
             Press any key to continue \dots
```

3. TO SWAP TWO NUMBERS

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Algorithm:	3. Step 1 - Enput a, b, c Step 2 - a - b Step 3 - b = c Step 4 - c = a Step 5 - print a, b
Program:	<pre>#include<iostream> using namespace std; int main() { int n1,n2,temp; cout << ''enter first number'' << endl; cin >> n1; cout << ''enter second number'' <<endl; cin="">> n2; cout <<''Swapped numbers n1= ''<<n2<<'' 0;<="" <<n1<<endl;="" and="" n2="" pre="" return=""></n2<<''></endl;></iostream></pre>
Input given:	C:\Users\sweet\OneDrive\Documents\c++ enter 2 no.exe enter first number 987 enter second number
Output Screenshot:	C:\Users\sweet\OneDrive\Documents\c++ enter 2 no.exe

4. TO CHECK WHETHER NUMBER IS EVEN OR ODD

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Algorithm:	4. Stop 1 - input num
	2007
	Step 2 - rem = num %2
	Atra 3 - et rem = o print even
	Step 2 - rem = num % 2 Step 3 - if rem = o, print even Slep 4 - else print odd
Program:	
8	// To check whether the number is even or odd #include <iostream> using namespace std;</iostream>
	int main()
	{
	int num=5;
	cout<<''\n Number is''; cin>>num;
	<pre>if (num % 2 == 0) cout<<num<<" cout<<num<<"="" else="" even";="" is="" odd";="" pre="" }<=""></num<<"></pre>
Input given:	
input given.	C:\Users\sweet\OneDrive\Documents\even odd.exe Number is
Output	C:\Users\sweet\OneDrive\Documents\even odd.exe
Screenshot:	Number is 9876545687 2147483647 is odd
	Process exited after 21.8 seconds with return value 0 Press any key to continue

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