

**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**

<b>Lab Number:</b>	<b>1</b>
<b>Student Name:</b>	<b>Omkar Bidwai</b>
<b>Roll No :</b>	<b>19</b>

**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 C++ and Java program with and without any inputs to the program.
- Understanding the constructs in C++ and Java.

**Course Outcome:**

<b>ECL304.1</b>	Understand object-oriented programming concepts and implement using C++ and Java
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**Theory:**

**Difference between procedural and object oriented language**

**Application of object orientation**

**Brief introduction to C++ and Java**

<b>Algorithm :</b>	
<b>Program:</b>	<b>To Add Two Numbers, Print Number Entered by User, Swap Two Numbers, Check Whether Number is Even or Odd</b>

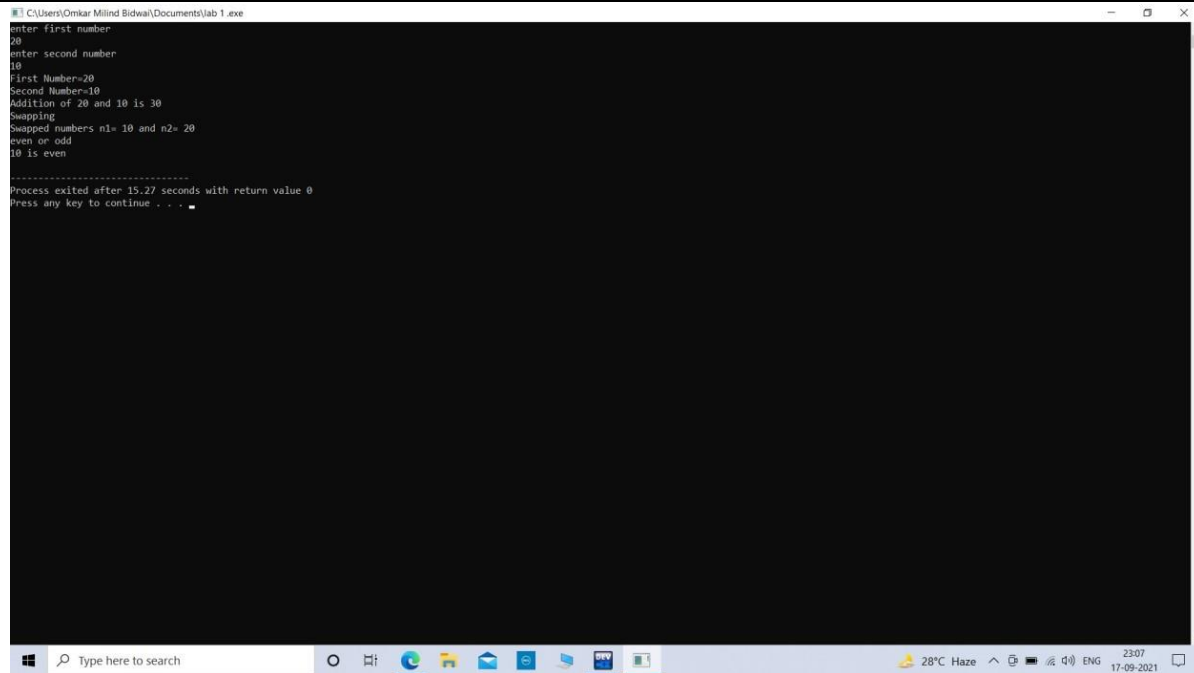
**Faculty: Ms. Deepali Kayande**

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	1.1 Implement using C++
<b>Input given:</b>	<pre> #include&lt;iostream&gt; using namespace std; int main() {     int n1,n2,temp;     cout &lt;&lt; "enter first number" &lt;&lt; endl;      cin &gt;&gt; n1;     cout &lt;&lt; "enter second number" &lt;&lt;endl;      cin &gt;&gt; n2;     cout &lt;&lt;"First Number="&lt;&lt;n1&lt;&lt;endl&lt;&lt;"Second Number="&lt;&lt;n2&lt;&lt;endl;     cout &lt;&lt; "Addition of " &lt;&lt;n1&lt;&lt;" and "&lt;&lt;n2&lt;&lt;" is "&lt;&lt;n1+n2;     cout&lt;&lt;"\nSwapping \n";  temp=n1;  n1=n2;     n2=temp;     cout&lt;&lt;"Swapped numbers n1= "&lt;&lt;n1&lt;&lt;" and n2= "&lt;&lt;n2&lt;&lt;endl;     cout&lt;&lt;"even or odd \n";     if(n1%2==0)         cout&lt;&lt;n1&lt;&lt;" is even \n";  else         cout&lt;&lt;n1&lt;&lt;" is odd \n";      return 0; } </pre>

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**Output  
Screenshot:**



```
C:\Users\Omkar Milind Bidwai\Documents\lab 1.exe
enter first number
20
enter second number
10
First Number=20
Second Number=10
Addition of 20 and 10 is 30
Swapping
Swapped numbers n1= 10 and n2= 20
even or odd
10 is even

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Process exited after 15.27 seconds with return value 0
Press any key to continue . . .
```

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