

Activity No. 1.1

Hands-on Activity 1.1 Basic C++ Programming

Course Code: CPE010

Program: Computer Engineering

Course Title: Data Structures and Algorithms

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6. Output

```
1 // Online C++ compiler to run C++ program online
2 #include <iostream>
3 void Sum(int c, int d); // function prototype
4
5 void comPare(int e, int f); // function prototype
6
7
8 bool disTwobool(bool g, bool h); // function prototype
9
10
11 int main() {
12
13     Sum(3,4);
14     comPare(4,3);
15     disTwobool(1,0);
16
17     return 0;
18 }
19 void Sum(int c, int d)
20 {
21     std::cout<<"The answer is "<<c+d<<std::endl;
22
23 void comPare(int e, int f)
24 {
25     if(e>f){
26         std::cout<<"e is greater than ef"<<std::endl;
27     }
28     else if(e<f){
29         std::cout<<"e is less than ef"<<std::endl;
30     }
31     else{
32         std::cout<<"the numbers are equal"<<std::endl;
33     }
34 }
35 bool disTwobool(bool g, bool h)
36 {
37     bool orResult = g||h;
38     bool andResult = g && h;
39
40     std::cout<<"The or result is "<<orResult<<std::endl;
41     std::cout<<"The and result is "<<andResult<<std::endl;
42
43
44     return true;
45 }
```

The answer is 7

e is greater than ef

The or result is 1

The and result is 0

7. Supplementary Activity

A function prototype in c++ is a declaration of the name, parameters and return type of the function before its definition. Write a C++ code that satisfies the following:

- Create a function that will take two numbers and display the sum.
- Create a function that will return whether variable A is greater than variable B.
- Create a function that will take two Boolean values and display the result of all logical operations then return true if it was a success.

8. Conclusion

To conclude, by doing this activity we were able to catch up again with the language or some of us, like me was able to learn it like it's a new language for us.

9. Assessment Rubric