

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     Sum(3,4);
13     comPare(4,3);
14     disTwobool(1,0);
15
16     return 0;
17 }
18 void Sum(int c, int d)
19 {
20     std::cout<<"The answer is "<<c+d<<std::endl;
21 }
22 void comPare(int e, int f)
23 {
24     if(e>f){
25         std::cout<<"e is greater than ef"<<std::endl;
26     }
27     else if(e<f){
28         std::cout<<"e is less than ef"<<std::endl;
29     }
30     else{
31         std::cout<<"the numbers are equal"<<std::endl;
32     }
33 }
34 bool disTwobool(bool g, bool h)
35 {
36     bool orResult = g||h;
37     bool andResult = g && h;
38
39     std::cout<<"The or result is "<<orResult<<std::endl;
40     std::cout<<"The and result is "<<andResult<<std::endl;
41
42     return true;
43 }
44
45
46
47
```

```
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 the 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