

OOP with C++

Lab work - 07

Lab Date - 14th March 2021

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Semester - 4th

GitHub - <https://github.com/rishabh-live/oop-w-cpp-4-sem/tree/main/Labs>

1) Write a program to use friend function to access private member of an object.

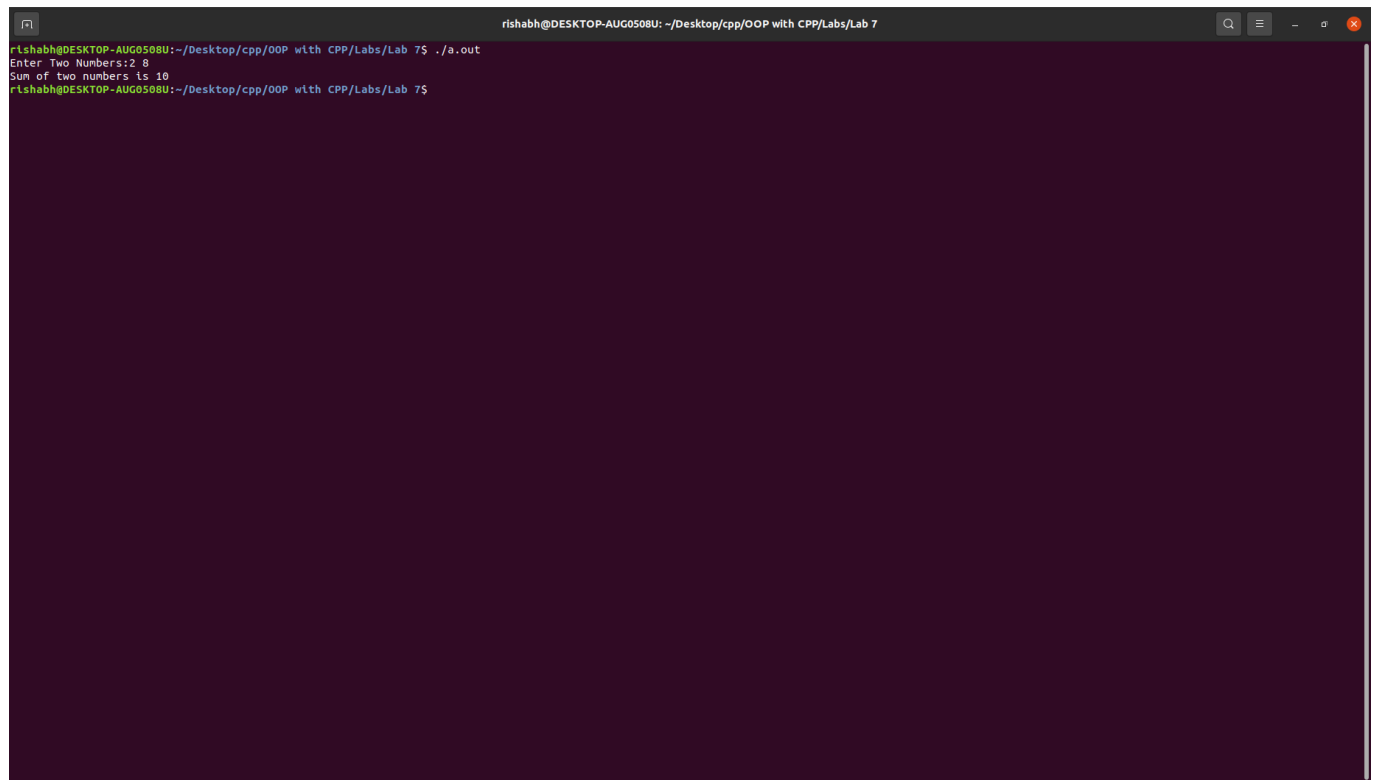
Source Code

```
// to use friend function to access private members of a class through
objects
#include <bits/stdc++.h>

using namespace std;
class myclass {
    int a, b;
public:
    void getdata(int c, int d) {
        a = c;
        b = d;
    }
    friend void display_sum(myclass obj1) {
        int sum;
        sum = obj1.a + obj1.b;
        cout << "Sum of two numbers is " << sum << "\n";
    }
};

int main() {
    int c, d;
    cout << "Enter Two Numbers:";
    cin >> c >> d;
    myclass obj;
    obj.getdata(c, d);
    display_sum(obj);
    return 0;
}
```

Output

A terminal window with a dark purple background. The title bar at the top reads "rishabh@DESKTOP-AUG0508U: ~/Desktop/cpp/OOP with CPP/Labs/Lab 7". The terminal shows the execution of a C++ program. The prompt is "rishabh@DESKTOP-AUG0508U:~/Desktop/cpp/OOP with CPP/Labs/Lab 7\$". The user enters ".a.out". The program outputs "Enter Two Numbers:2 8" and "Sum of two numbers is 10". The prompt returns to "rishabh@DESKTOP-AUG0508U:~/Desktop/cpp/OOP with CPP/Labs/Lab 7\$".

```
rishabh@DESKTOP-AUG0508U:~/Desktop/cpp/OOP with CPP/Labs/Lab 7$ ./a.out
Enter Two Numbers:2 8
Sum of two numbers is 10
rishabh@DESKTOP-AUG0508U:~/Desktop/cpp/OOP with CPP/Labs/Lab 7$
```