



main.cpp



Run

Output

Clear

```
1 // Online C++ compiler to run C++ program
  online
2 #include <iostream>
3 using namespace std;
4
5 class Base {
6 protected:
7     int num1;
8
9 public:
10 void setNum1(int a) {
11     num1 = a;
12 }
13 };
14
15 class FirstDerived : public Base {
16 protected:
17     int num2;
18
19 public:
20 void setNum2(int b) {
21     num2 = b;
22 }
23 };
24
25 class SecondDerived : public FirstDerived {
26 public:
27 void displaySum() {
28     int sum = num1 + num2;
29     cout << "Sum of " << num1 << " and " <<
        num2 << " is: " << sum << endl;
30 }
31 };
32
33 int main() {
34     int a, b;
35     cout << "Enter the first number: ";
36     cin >> a;
37     cout << "Enter the second number: ";
38     cin >> b;
39
40     SecondDerived obj;
41     obj.setNum1(a);
42     obj.setNum2(b);
43     obj.displaySum();
44
45     return 0;
46 }
47
```

/tmp/y8TQn5KIcv.o

Enter the first number: 6

Enter the second number: 7

Sum of 6 and 7 is: 13

=== Code Execution Successful ===