



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, num2;
8
9 public:
10 void setNumbers(int a, int b) {
11     num1 = a;
12     num2 = b;
13 }
14 };
15
16 class FirstDerived : public Base {
17 public:
18 void displayFirstNumber() {
19     cout << "First number: " << num1 <<
        endl;
20 }
21 };
22
23 class SecondDerived : public Base {
24 public:
25 void displaySecondNumber() {
26     cout << "Second number: " << num2 <<
        endl;
27 }
28 };
29
30 int main() {
31     int a, b;
32     cout << "Enter the first number: ";
33     cin >> a;
34     cout << "Enter the second number: ";
35     cin >> b;
36
37     FirstDerived obj1;
38     SecondDerived obj2;
39
40     obj1.setNumbers(a, b);
41     obj2.setNumbers(a, b);
42
43     obj1.displayFirstNumber();
44     obj2.displaySecondNumber();
45     return 0;
46 }
47
```

/tmp/JnEhgrahA1.o

Enter the first number: 6

Enter the second number: 8

First number: 6

Second number: 8

=== Code Execution Successful ===