

main.cpp



Share

Run

Output

```
1 #include<iostream>
2 using namespace std;
3
4 class subtraction {
5     public:
6         int num;
7
8         subtraction(int x)
9         {
10             num = x;
11         }
12
13         friend int operator-(subtraction &num1, subtraction &num2)
14         {
15             return num1.num + num2.num;
16         }
17 };
18
19 int main ()
20 {
21     int a1, b1;
22
23     cout << "A: ";
24     cin >> a1;
25     cout << "B: ";
26     cin >> b1;
27
28     subtraction a(a1);
29     subtraction b(b1);
30
31     cout << "A -(overloaded to +) B = " << a-b << endl;
32     return 0;
33 }
```

```
- /tmp/kKr0HyKGTE.o
A: 23
B: 4
A -(overloaded to +) B = 27
```

=== Code Execution Successful ===

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```
1 #include <iostream>
2 using namespace std;
3
4 double area(double length, double width) {
5     return length * width;
6 }
7
8 double area(double radius) {
9     return 3.14 * radius * radius;
10 }
11
12 int main() {
13     double length = 5.0, width = 3.0;
14     double radius = 4.0;
15
16     cout << "Area of rectangle: " << area(length, width) << endl;
17     cout << "Area of circle: " << area(radius) << endl;
18
19     return 0;
20 }
```

```
/tmp/WjLICF4310.o
Area of rectangle: 15
Area of circle: 50.24
```

=== Code Execution Successful ===

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Output

```
1  #include<iostream>
2  using namespace std;
3
4  class Number {
5      public:
6          int num;
7
8          Number(int x)
9      {
10         num = x;
11     }
12
13     friend int operator++(Number &num1)
14     {
15         return num1.num -= 1;
16     }
17     friend int operator--(Number &num2)
18     {
19         return num2.num += 1;
20     }
21 };
22
23 int main ()
24 {
25     int a1, b1;
26
27     cout << "A: ";
28     cin >> a1;
29     cout << "B: ";
30     cin >> b1;
31
32     Number a(a1);
33     Number b(b1);
34
35     cout << "A  " << ++a << endl;
36     cout << "B  " << --b << endl;
37     return 0;
38 }
```

/tmp/ZbX7T3Z6ez.o

A: 6

B: 10

A 5

B 11

=== Code Execution Successful ===