



```
1  #include <iostream>
2  using namespace std;
3
4  class Sum {
5      public:
6      int add(int a, int b){
7          return a+b;
8      }
9
10     double add(double a, double b)
11     {
12         return a+b;
13     }
14 };
15
16 int main ()
17 {
18     Sum s1;
19
20     int A;
21     int B;
22
23     float C;
24     float D;
25
26     cout<<"Enter A: ";
27     cin>>A;
28     cout<<"Enter B: ";
29     cin>>B;
30
31     cout << "Sum: " << s1.add(A, B) << endl
32         ;
33
34     cout << "Enter C: ";
35     cin >> C;
36     cout << "Enter D: ";
37     cin >> D;
38
39     cout << "Sum: " << s1.add(C, D) << endl
40         ;
41
42     return 0;
43 }
```

/tmp/cYYQ8EPHd.o

Enter A: 12

Enter B: 4

Sum: 16

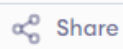
Enter C: 3.23

Enter D: 4.67

Sum: 7.9

=== Code Execution Successful ===

main.cpp



Share

Run

Output

```
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/r9MvxRpPTk.o

Area of rectangle: 15

Area of circle: 50.24

=== Code Execution Successful ===



```
1  #include <iostream>
2  using namespace std;
3
4  class Exchange {
5      public:
6          void interchange(int a1, int b1)
7      {
8          int temp;
9
10         temp = a1;
11         a1 = b1;
12         b1 = temp;
13
14         cout << "Swapped ints: " << a1
15             << ", " << b1 << endl;
16     }
17     void interchange(double c1, double
18         d1)
19     {
20         double temp;
21
22         temp = c1;
23         c1 = d1;
24         d1 = temp;
25
26         cout << "Swapped floats: " <<
27             c1 << ", " << d1 << endl;
28     }
29     void interchange(char e1, char f1)
30     {
31         char temp;
32
33         temp = e1;
34         e1 = f1;
35         f1 = temp;
36
37         cout << "Swapped chars: " << e1
38             << ", " << f1 << endl;
39     }
40 };
41
42 int main ()
43 {
44     Exchange e1;
45
46     e1.interchange(5, 12);
47     e1.interchange(0.86, 4.91);
48     e1.interchange('A', 'G');
49
50     return 0;
51 }
```

/tmp/ZYUnpC1Gmn.o
Swapped ints: 12, 5
Swapped floats: 4.91, 0.86
Swapped chars: G, A

=== Code Execution Successful ===