main.cpp

Run

```cpp
#include <iostream>
using namespace std;

class Sum {
    public:
    int add(int a, int b){
        return a+b;
    }

    double add(double a,double b)
    {
        return a+b;
    }
};

int main ()
{
    Sum s1;

    int A;
    int B;

    float C;
    float D;

    cout<<"Enter A: ";
    cin>>A;
    cout<<"Enter B: ";
    cin>>B;

    cout << "Sum: " << s1.add(A, B) << endl
        ;

    cout << "Enter C: ";
    cin >> C;
    cout << "Enter D: ";
    cin >> D;

    cout << "Sum: " << s1.add(C, D) << endl
        ;

    return 0;
}
```

Output

```
/tmp/cYYQ8EPHHd.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

```cpp
#include <iostream>
using namespace std;

double area(double length, double width) {
    return length * width;
}

double area(double radius) {
    return 3.14 * radius * radius;
}

int main() {
    double length = 5.0, width = 3.0;
    double radius = 4.0;

    cout << "Area of rectangle: " << area(length, width) << endl;
    cout << "Area of circle: " << area(radius) << endl;

    return 0;
}
```

```
/tmp/r9MvxRpPTk.o
Area of rectangle: 15
Area of circle: 50.24


=== Code Execution Successful ===
```

main.cpp

Run

Output

```
#include <iostream>
using namespace std;

class Exchange {
    public:
        void interchange(int a1, int b1)
        {
            int temp;

            temp = a1;
            a1 = b1;
            b1 = temp;

            cout << "Swapped ints: " << a1
                << ", " << b1 << endl;
        }
        void interchange(double c1, double
            d1)
        {
            double temp;

            temp = c1;
            c1 = d1;
            d1 = temp;

            cout << "Swapped floats: " <<
                c1 << ", " << d1 << endl;
        }
        void interchange(char e1, char f1)
        {
            char temp;

            temp = e1;
            e1 = f1;
            f1 = temp;

            cout << "Swapped chars: " << e1
                << ", " << f1 << endl;
        }
};

int main ()
{
    Exchange e1;

    e1.interchange(5, 12);
    e1.interchange(0.86, 4.91);
    e1.interchange('A', 'G');

    return 0;
}
```

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


=== Code Execution Successful ===
```