

```

//Create a class of complex numbers
#include <iostream>
using namespace std;
class Complex
{
    float real, imag;
public:
    Complex(float r, float i)
    {
        real = r;
        imag = i;
    }
    Complex add(Complex b)
    {
        Complex ans(0,0);
        ans.real = real + b.real;
        ans.imag = imag + b.imag;
        return ans;
    }
    Complex subtract(Complex b)
    {
        Complex ans(0,0);
        ans.real = real - b.real;
        ans.imag = imag - b.imag;
        return ans;
    }
    void print()
    {
        cout << real << " + " << imag << "i" << endl;
    }
};

int main()
{
    Complex a(1,2), b(3,4);
    cout << "A : ";
    a.print();
    cout << "B : ";
    b.print();
    cout << "A+B : ";
    (a.add(b)).print();
    cout << "A-B : ";
    (a.subtract(b)).print();
}

```

OUTPUT:

```

A : 1 + 2i
B : 3 + 4i
A+B : 4 + 6i
A-B : -2 + -2i

```