

```

#include<iostream>

using namespace std;

class Complex
{
    int real,imag;
public:
    Complex()
    {
        real=0;
        imag=0;
    }
    Complex(int r,int i)
    {
        real=r;
        imag=i;
    }
    void display()
    {
        cout<<"\n " <<real<<"+"<<imag<<"i";
    }

    friend Complex operator +(Complex,Complex);
};

Complex operator +(Complex,Complex);

int main()
{
    Complex c1(5,2),c2(7,3),c3;

    c3=c1+c2;

    cout<<"\nFirst Complex Number is ";

```

```
    c1.display();  
    cout<<"\nSecond Complex Number is ";  
    c2.display();  
    cout<<"\nAddition is ";  
    c3.display();  
}
```

Complex operator +(Complex a, Complex b)

```
{  
    Complex t;  
    t.real = a.real + b.real;  
    t.imag = a.imag + b.imag;  
    return t;  
}
```