#include <iostream>

using namespace std;

class complex

{

int a,b,c,d;

public:

void setdata(int v1, int v2)

{

a=v1;

b=v2;

}

void setsum(complex c1,complex c2)

{

a=c1.a+c2.a;

b=c1.b+c2.b;

}

void setmul(complex c1, complex c2)

{

c=c1.a\*c2.a-c1.b\*c2.b;

d=c1.a\*c2.b+c1.b\*c2.a;

}

void print()

{

cout<<"the sum of complex number is :"<<endl;

cout<<a<<"+"<<b<<"i"<<endl;

cout<<"the multiplication of complex Number is :"<<endl;

cout<<c<<"+"<<d<<"i"<<endl;

}

};

int main()

{

complex c1,c2,c3;

c1.setdata(1,2);

c2.setdata(2,1);

c3.setsum(c1,c2);

c3.setmul(c1,c2);

c3.print();

return 0;

}

/\*

the sum of complex number is :

3+3i

the multiplication of complex Number is :

0+5i

/tmp/UlEJlHq9dw.o

the sum of complex number is :

3+3i

the multiplication of complex Number is :

0+5i

\*/