#### SOOP\_IPS17

**Write a C++ program to overload the binary operator + to  perform addition of two complex numbers.**

#include <iostream>

using namespace std;

class add

{

public:

int a,b,c,d;

int re,im;

add(int r=0,int i=0)

{

re=r;

im=i;

}

add operator+(add &A)

{ add b;

b.re=re+A.re;

b.im=im+A.im;

return b;

}

void pr()

{

cout<<re<<"+"<<im<<"i";

}

};

int main()

{

add A;

cin>>A.a;

cin>>A.b;

cin>>A.c;

cin>>A.d;

add a1(A.a,A.b),a2(A.c,A.d);

add a3;

a3=a1+a2;

a3.pr();

return 0;

}