EXP N0:-7

IMPLIMENT COMPLEX NUMBER CALSS

#include<iostream>

using namespace std;

class COMPLEX

{

int re,im;

public:

void get()

{

cin>>re>>im;

}

void display()

{

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

}

void add(COMPLEX c1,COMPLEX c2)

{

re=c1.re+c2.re;

im=c1.im+c2.im;

}

};//complex

int main()

{

COMPLEX c1,c2,c3;

cout<<"\nenter 1st complex no. as real and imaginary part:";

c1.get();

cout<<"\nenter 2nd complex no. as real and imaginary part:";

c2.get();

cout<<"\n\n the 1st complex no is:";

c1.display();

cout<<"\n\n the 2nd complex no is:";

c2.display();

c3.add(c1,c2);

cout<<"\n\n the resultant complex no is:";

c3.display();

return 0;

}

**ALGORITHM**

Step 1: Start

Step 2: Declare and define class “COMPLES” with public functions “get” which reads the real and imaginary parts, “display” which prints the complex number and “add” which calculates additions of the complex numbers.

Step 3: Read the 1st and 2nd Complex Number as real and imaginary part.

Step 4: call “get” function.

Step 5: call “display” function to display the complex numbers.

Step 6: call “add” function to add the Complex Numbers.

Step 7: Print the Resultant Complex Number.

Step 8: Stop

OUTPUT:-

