DATE- PAGE-

**Write a program to addition of two complex number using friend function**

#include <iostream>

using namespace std;

class complex {

float x, y;

public:

void input(float real, float img)

{

x = real;

y = img;

}

friend complex sum(complex, complex);

void display(complex);

};

complex sum(complex a, complex b)

{

complex t;

t.x = a.x + b.x;

t.y = a.y + b.y;

return (t);

}

void complex::display(complex c)

{

cout << c.x << "+t" << c.y << endl;

}

int main()

{

complex A, B, C;

A.input(4.2, 6.3);

B.input(3.4, 10.2);

C = sum(A, B);

cout << "value of A=";

A.display(A);

cout << "value of B=";

B.display(B);

cout << "sum of complex no=";

C.display(C);

return (0);

}

**Output**

value of A=4.2+i6.3

value of B=3.4+i10.3

sum of complex no=7.6+i16.5