/\*Write a program in c++ with a complex constructor to add the given two complex numbers A =…….. and B=….. .The program should print the given cmplex numbers and their sum .

\*\

#include<iostream.h>

#include<conio.h>

class complex

{

private:

float x;

float y;

public:

complex()

{

}

complex(float,float);

complex operator+(complex);

void display(void);

};

complex::complex(float real,float imag)

{

x=real;

y=imag;

}

void complex::display(void)

{

cout<<x<<"+"<<y<<"i\n";

}

complex complex::operator+(complex c)

{

complex temp;

temp.x=x+c.x;

temp.y=y+c.y;

return(temp);

}

void main()

{

clrscr();

complex C1,C2,C3;

C1=complex(5.4,2.4);

C2=complex(2.1,1.7);

C3=C1+C2;

cout<<"\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n";

cout<<"C1=";

C1.display();

cout<<"C2=";

C2.display();

cout<<"C3=";

C3.display();

getch();

}

/\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*OUTPUT\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

C1=5.4+2.4i

C2=2.1+1.7i

C3=7.5+4.1i

\*/