class Complex

{

int real,img;

Complex()

{}

Complex(int real,int img)

{

this.real=real;

this.img=img;

}

void setimg(int img)

{

this.img=img;

}

void setreal(int real)

{

this.real=real;

}

Complex add(Complex other)

{

Complex t=new Complex();

t.setimg(img+other.img);

t.setreal(real+other.real);

return t;

}

Complex sub(Complex other)

{

Complex t=new Complex();

t.real=real-other.real;

t.img=img-other.img;

return t;

}

Complex mul(Complex other)

{

Complex t=new Complex();

t.real=real\*other.real-(img\*other.img);

t.img=real\*other.img+(img\*other.real);

return t;

}

void display()

{

System.out.println("Real part= "+real);

System.out.println("Imaginary part= "+img);

}

}

class complextest

{

public static void main(String ar[])

{

Complex a=new Complex(5,6);

Complex b=new Complex(7,8);

Complex c;

c=a.add(b);

c.display();

}

}