

```
package complex1;

public class complex {

    private double real,imag;

    public complex() {}

    public complex(double x) {    real=x; }

    public complex(double x, double y) {    real = x;    imag = y;}

    public double getReal() {    return real;    }

    public void setReal(double real) {    this.real = real;    }

    public double getImag() {    return imag;    }

    public void setImag(double imag) {    this.imag = imag;    }

    public complex add(complex c) {

        return new complex(real + c.real, imag + c.imag);

    }

    public complex minus(complex c) {

        return new complex(real - c.real, imag - c.imag);

    }

    public complex multiply(complex c) {

        double r = real * c.real - imag * c.imag;

        double i = real * c.imag + imag * c.real;

        return new complex(r, i);

    }

    public complex divide(complex c) {

        double d = c.real * c.real + c.imag * c.imag;

        double r = (real * c.real + imag * c.imag);
```

```
        double i = (imag * c.real - real * c.imag);  
        return new complex(r / d, i / d);  
    }  
  
    public String toString() {  
        return "(" + real + "," + imag + ")";  
    }  
  
    public void print() {  
        System.out.print(toString());  
    }  
}
```