import java.util.\*;

abstract class sympol

{

abstract void area();

}

class Rectangle extends sympol{

int l,b;

void area()

{

int area\_r=l\*b;

System.out.println("area of rectangle:"+area\_r);

}

}

class Square extends sympol

{

int a;

void area()

{

int area\_s=a\*a;

System.out.println("area of square"+area\_s);

}

}

class circle extends sympol

{

float r;

void area()

{

float area\_c=3.14f\*r\*r;

System.out.println("area of circle"+area\_c);

}

}

class areas{

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

System.out.println("enter the length");

int l=sc.nextInt();

System.out.println("enter the breath");

int b=sc.nextInt();

System.out.println("enter the a");

int a=sc.nextInt();

System.out.println("enter the radius");

int r=sc.nextInt();

Rectangle rect=new Rectangle();

rect.l=l;

rect.b=b;

rect.area();

Square s=new Square();

s.a=a;

s.area();

circle c=new circle();

c.r=r;

c.area();

}

}