```java
import java.util.*;
abstract class Shape
{
    int a;
    int b;

    abstract void printArea();
}
class Rectangle extends Shape
{
    Rectangle(int x, int y)
    {
        a=x;
        b=y;
    }

    void printArea()
    {
        System.out.println("Area is "+(a*b));
    }
}

class Triangle extends Shape
{
    Triangle(int x, int y)
    {
        a=x;
        b=y;
    }
    void printArea()
    {
        System.out.println("Area is "+(a*b*0.5));
    }
}
class Circle extends Shape
{
    Circle(int x)
    {
        a=x;
    }
    void printArea()
    {
        System.out.println("Area is "+(a*a*3.14));
    }
}

class lab5
{
    public static void main(String ss[])
    {
        int l,b,ba,h,ra;
        Scanner sc = new Scanner(System.in);

        System.out.println("enter the length and breadth of rectangle");
        l= sc.nextInt();
        b= sc.nextInt();
        Rectangle r= new Rectangle(l,b);
        r.printArea();

        System.out.println("enter the base and height of triangle");
        ba= sc.nextInt();
```

```java
class lab5
{
    public static void main(String ss[])
    {
        int l,b,ba,h,ra;
        Scanner sc = new Scanner(System.in);

        System.out.println("enter the length and breadth of rectangle");
        l= sc.nextInt();
        b= sc.nextInt();
        Rectangle r= new Rectangle(l,b);
        r.printArea();

        System.out.println("enter the base and height of triangle");
        ba= sc.nextInt();
        h= sc.nextInt();
        Triangle t = new Triangle(ba,h);
        t.printArea();

        System.out.println("enter the radius of circle");
        ra= sc.nextInt();
        Circle c = new Circle(ra);
        c.printArea();
    }
}
```

```
enter the length and breadth of rectangle
3
4
Area is 12
enter the base and height of triangle
5
6
Area is 15.0
enter the radius of circle
4
Area is 50.24


--------------------
(program exited with code: 0)
```