```java
import java.util.*;
abstract class Shape
{
    float a=8, b=9;
    abstract public void printarea();
}
class Rectangle extends Shape
{
    public float areaRec;
    public void printarea()
    {
        areaRec = a*b;
        System.out.println("The area of the Rectangle="+areaRec);
    }
}
class Triangle extends Shape
{
    public float areaTri;
    public void printarea()
    {
        areaTri = a*b/2;
        System.out.println("The area of the triangle="+areaTri);
    }
}
class Circle extends Shape
{
    public float areaCirca, areaCirb;
    public void printarea()
    {
```

```java
areaCira = a * a * 22/7;
System.out.println("The area of the circle with a as the
    radius = " + areaCira);
areaCirb = b * b * 22/7;
System.out.println("The area of the circle with b as the
radius = " + areaCirb);
    }
}

public class Main
{
    public static void main(String args[])
    {
        Rectangle r = new Rectangle();
        r.printarea();
        Triangle t = new Triangle();
        t.printarea();
        Circle c = new Circle();
        c.printarea();
    }
}
```

OUTPUT :-

The area of the rectangle = 72.0
The area of the triangle = 36.0
The area of the circle with a as the radius = 201.14285
The area of the circle with b as the radius = 254.57143.

```
The area of the rectangle=72.0
The area of the triangle=36.0
The area of the circle with a as the radius=201.14285
The area of the circle with b as the radius=254.57143


....Program finished with exit code 0
```