

Run Debug Stop Share Save { } Beautify

Main.java

```
import java.util.Scanner;
abstract class Shape
{
    int length,breadth;
    void printArea()
    {}
}
class Rectangle extends Shape
{
    double areaR;
    void printArea(){
        areaR=(length*breadth);
        System.out.println("The area of rectangle is "+areaR+" cm^2");
    }
}
class Triangle extends Shape
{
    double areaT;
    void printArea(){
        areaT=(0.5)*(length*breadth);
        System.out.println("The area of Triangle is "+areaT+"cm^2");
    }
}
class Circle extends Shape
{
    double areaC;
    void printArea(){
        areaC=(3.14)*(length*length);
        System.out.println("The area of circle is "+areaC+"cm^2");
    }
}
```

```

22     System.out.println("The area of Triangle is "+areaT+"cm^2");
23 }
24 }
25 class Circle extends Shape
26 {
27
28     double areaC;
29     void printArea(){
30     areaC=(3.14)*(length*length);
31     System.out.println("The area of circle is "+areaC+"cm^2");
32     }
33 }
34 class ShapeMain
35 {
36     public static void main(String args[])
37     {
38         Scanner A=new Scanner(System.in);
39         Rectangle R1=new Rectangle();
40         Triangle T1=new Triangle();
41         Circle C1=new Circle();
42         System.out.println("Enter the length and breadth of which u have to find the area of rectangle in cm\n");
43         R1.length=A.nextInt();
44         R1.breadth=A.nextInt();
45         System.out.println("Enter the length and breadth of which u have to find the area of triangle in cm\n");
46         T1.length=A.nextInt();
47         T1.breadth=A.nextInt();
48         System.out.println("Enter the length of which u have to find the area of circle in cm\n");
49         C1.length=A.nextInt();
50         R1.printArea();
51         T1.printArea();
52         C1.printArea();
53     }
54 }

```