

```

1  import java.util.*;
2  abstract class shape{
3      double l,b,area1,base,height,area2,rad,area3;
4      abstract void printarea();
5  }
6  }
7  class rectangle extends shape
8  {
9
10     rectangle(double a,double d)
11     {
12         l=a;
13         b=d;
14     }
15     void printarea()
16     {
17         area1=l*b;
18         System.out.println("area of the rectangle is :"+area1);
19     }
20 }
21 class triangle extends shape
22 {
23
24     triangle(double x,double y)
25     {
26         base=x;
27         height=y;
28     }
29     void printarea()
30     {
31         area2=0.5*base*height;;
32         System.out.println("area of the triangle is :"+area2);
33     }
34 }
35 class circle extends shape
36 {
37
38     circle(double e)
39     {
40         rad=e;
41     }
42     void printarea()
43     {

```

```

40         rad=e;
41     }
42     void printarea()
43     {
44         area3=3.14*rad*rad;
45         System.out.println("area of the circle is :"+area3);
46     }
47 }
48 public class abc{
49     public static void main(String[] args)
50     {
51         rectangle r=new rectangle(2.5,3.5);
52         triangle t=new triangle(2.0,4.0);
53         circle c=new circle(3.0);
54         r.printarea();
55         t.printarea();
56         c.printarea();
57     }
58 }
59 }

```

✓ Execute Mode, Version, Inputs & Arguments

JDK 11.0.4

☒ Interactive

CommandLine Arguments

▶ Execute

...

📄

result

mpiled and executed in 1.09 sec(s)

```

area of the rectangle is :8.75
area of the triangle is :4.0
area of the circle is :28.259999999999998
|

```