```java
1  import java.util.Scanner;
2  abstract class Shape
3  {
4      int d1;
5      int d2;
6      Shape(int a,int b)
7      {
8          d1=a;
9          d2=b;
10     }
11     abstract void printarea();
12 }
13 class Rectangle extends Shape
14 {
15     Rectangle(int a,int b)
16     {
17         super(a,b);
18     }
19     void printarea()
20     {
21         double area=d1*d2;
22         System.out.println("Area of the rectangle :"+area);
23     }
24 }
25 class Triangle extends Shape
26 {
27     Triangle(int a,int b)
```

```java
24  }
25  class Triangle extends Shape
26  {
27      Triangle(int a,int b)
28      {
29          super(a,b);
30      }
31      void printarea()
32      {
33          double area=d1*d2/2;
34          System.out.println("Area of the triangle :"+area);
35      }
36  }
37  class Circle extends Shape
38  {
39      Circle(int a,int b)
40      {
41          super(a,b);
42      }
43      void printarea()
44      {
45          double area=3.14*d1*d1;
46          System.out.println("Area of the circle :"+area);
47      }
48  }
49  class Main
50  {
```

```
45        double area=3.14*d1*d1;
46        System.out.println("Area of the circle :"+area);
47    }
48 }
49 class Main
50 {
51    public static void main(String args[])
52    {
53        System.out.println("Enter the dimensions of rectangle");
54        Scanner ss=new Scanner(System.in);
55        int x=ss.nextInt();
56        int y=ss.nextInt();
57        System.out.println("Enter the dimensions of triangle");
58        int s=ss.nextInt();
59        int w=ss.nextInt();
60        System.out.println("Enter the radius of circle");
61        int f=ss.nextInt();
62
63        Rectangle r=new Rectangle(x,y);
64        Triangle t=new Triangle(s,w);
65        Circle c=new Circle(f,f);
66        r.printarea();
67        t.printarea();
68        c.printarea();
69    }
70 }
71
```

```
Enter the dimensions of rectangle
10
30
Enter the dimensions of triangle
9
8
Enter the radius of circle
5
Area of the rectangle :300.0
Area of the triangle :36.0
Area of the circle :78.5


...Program finished with exit code 0
Press ENTER to exit console.
```

```
enter customer's account type 1.savings account 2.current account
1
-----enter account details------
enter customer name
karthik
enter customer account number
34576897
enter customer's account type 1.savings account 2.current account
1
enter customer's balance amount in account
30000
-----customer's account details-----
customer name    karthik
customer account number 34576897
customer's account type 1
customer's balance amount in account    30000.0
enter 1.deposit 2.withdrawal
1
enter amount to be deposited
560
enter rate and time period
```

```
1
enter customer's balance amount in account
30000
-----customer's account details-----
customer name    karthik
customer account number 34576897
customer's account type 1
customer's balance amount in account    30000.0
enter 1.deposit 2.withdrawal
1
enter amount to be deposited
560
enter rate and time period
2
2
compound interest = 1234.6239999999998
customer's balance amount in account    31794.624


...Program finished with exit code 0
Press ENTER to exit console.
```