



Stop ■

Main.java

```
1  import java.util.Scanner;
2  abstract class shape
3  {
4      private int a,b;
5      void setshape(int x,int y)
6      {
7          a=x;
8          b=y;
9      }
10     int geta()
11     {
12         return a;
13     }
14     int getb()
15     {
16         return b;
17     }
18     abstract public void print_area();
19 }
20 class rectangle extends shape
21 {
22     private int area_rect;
23     rectangle(int x,int y)
24     {
25         setshape(x,y);
26     }
```


n.java

```
5      setshape(x,y),
6  }
7  public void print_area()
8  {
9      area_rect=geta()*getb();
10     System.out.println("Area of rectangle is:")
11 }
12 }
13 class triangle extends shape
14 {
15     private double area_tri;
16     triangle(int x,int y)
17     {
18         setshape(x,y);
19     }
20     public void print_area()
21     {
22         area_tri=(geta()*getb())/2;
23         System.out.println("The area of triangle is:"
24                             +area_tri);
25     }
26 }
27 class circle extends shape
28 {
29     private double area_circle;
30     circle(int y)
```


nPlane#Main.java

lane

Stop ■

Main.java

```
50 {
51     setshape(0,y);
52 }
53 public void print_area()
54 {
55     area_circle=((3.14)*getb()*getb());
56     System.out.println("Area of circle is:"+area_circle);
57 }
58 }
59 public class Main
60 {
61     public static void main(String[]args){
62         Scanner xx=new Scanner(System.in);
63         int a,b;
64         System.out.println("Enter the length of rectangle : ")
65         ;
66         a=xx.nextInt();
67         System.out.println("Enter the breadth of rectangle : ");
68         b=xx.nextInt();
69         rectangle r= new rectangle(a,b);
70         r.print_area();
71         System.out.println("Enter the height of triangle : ");
72         a=xx.nextInt();
73         System.out.println("Enter the base of triangle : ");
```


armPlane#Main.java

hPlane

Stop

Main.java

```

72      System.out.println("Enter the base of triangle : ");
73      b=xx.nextInt();
74      triangle t= new triangle(a,b);
75      t.print_area();
76      System.out.println("Enter the radius of circle : ");
77      a=xx.nextInt();
78      circle c= new circle(a);
79      c.print_area();
80  }
81  }
82

```




Repl.it - ZanyDimpledMan



Ashutosh027/03Nov20



WhatsApp



Bharat Acharya E...



Web Development

Talk

```
> javac -classpath ./run_dir/junit-4.12.jar:target/dependencies
Main.java
> java -classpath ./run_dir/junit-4.12.jar:target/dependencies
Enter the length of rectangle :
1
Enter the breadth of rectangle :
2
Area of rectangle is:2
Enter the height of triangle :
2
Enter the base of triangle :
2
The area of triangle is:2.0
Enter the radius of circle :
2
Area of circle is:12.56
```