

```

package com.company;
import java.util.*;
abstract class shape
{
    Scanner sc=new Scanner(System.in);
    int a=6,b=4;

    abstract void print_area();
}
class rectangle extends shape{
    public int rect_area;
    void rectangle()
    {
        System.out.println("Area of rectangle");
    }

    void print_area()
    {
        rect_area=a*b;
        System.out.println("\nThe area of rectangle is "+" "+rect_area);
    }
}
class triangle extends shape{
    double tri_area;

    void print_area()
    {
        tri_area=(0.5*a*b);
        System.out.println("\nThe area of triangle is "+" "+tri_area);
    }
}
class circle extends shape{

    double ci_area;
    void print_area()
    {
        ci_area=(3.14*a*a);
        System.out.println("\nThe area of circle is: "+" "+ci_area);
    }
}
class Main
{
    Scanner sc=new Scanner(System.in);
    public static void main(String args[])
    {
        rectangle r=new rectangle();
        r.print_area();
        triangle t=new triangle();
        t.print_area();
        circle c=new circle();
        c.print_area();
    }
}

```

OUTPUT:

```
C:\Program Files\Java\jdk1.8.0_201\bin\java.exe ..
```

```
The area of rectangle is 24
```

```
The area of triangle is 12.0
```

```
The area of circle is: 113.03999999999999
```

```
Process finished with exit code 0
```