```java
import java.util.Scanner;
abstract class shape
{
    int i,j;
    abstract void printArea();
}
class Rectangle extends shape
{
    void printArea()
    {
        Scanner ss = new Scanner(System.in);
        System.out.println(" enter length of rectangle");
        i= ss.nextInt();
        System.out.println("enter breadth of rectangle ");
        j= ss.nextInt();
        System.out.println("Area= "+ i*j);
    }
}
class Triangle extends shape
{
    void printArea()
    {
        Scanner ss = new Scanner(System.in);
        System.out.println(" enter base length of the triangle");
        i= ss.nextInt();
        System.out.println("enter the height of the triangle");
        j= ss.nextInt();
        System.out.println("area of side ="+ 3.14*i*j);
    }
}
class Circle extends shape
{
    void printArea()
    {
        Scanner ss = new Scanner(System.in);
        System.out.println("enter the radius");
        i= ss.nextInt();
        System.out.println("area = "+ 3.14*i*i);
    }
}
```

```
clau shape-main
{
    public static void main (String args[])
    {
        Rectangle r = new Rectangle ();
        r. printArea();
        Triangle t = new Triangle ();
        t. print Area();
        Circle c = new Circle();
        c. print Area();
    }
}
```