```java
import java.util.Scanner;
abstract class Shape
{
    int l,b;
    double a;
    Scanner ss=new Scanner(System.in);
    Shape()
    {
    System.out.println("enter l:");
    l=ss.nextInt();
    System.out.println("enter b:");
    b=ss.nextInt();
    }
    void printArea()
    {

    }
}
class Rectangle extends Shape
{

    void printArea()
    {
        a=l*b;

        System.out.println("area is :"+this.a);
}
    }


class Triangle extends Shape
{
    void printArea()
    {
        a=0.5*l*b;
        System.out.println("area is :"+this.a);
    }

}
class Circle extends Shape
{
    void printArea()
    {
        a=3.14*l*l;
```

```java
        System.out.println("area is :"+this.a);
    }

}
public class MainShape
{
    public static void main(String[] args)
    {
    //Shape s1=new Shape();
     Rectangle s2=new Rectangle();
     Triangle s3=new Triangle();
     Circle s4=new Circle();
    //s1.printArea();
     s2.printArea();
     s3.printArea();
     s4.printArea();
    }
}
```

```
D:\3 sem\java\java prgms>java MainShape
enter l:
10
enter b:
10
enter l:
10
enter b:
10
enter l:
10
enter b:
10
area is :100.0
area is :50.0
area is :314.0
```