

Output Namber of sides of Rectangle is: 4 Enter length: 5 Enter breadth: 4 Area of rectangle: 20 Number of sides of triangle is: 3 Enter side: 7 Area of triangle: 3.031 Mumber of sides of Alexagon is: 6 Enter length: 9 Asea of Hexagon: 23.381

```
import java.util. *;
abstract class Shapes
 abstract void no();
 abstract void arca();
class Rectangle extends Shapes
 void no()
   System.out.println("\nNumber of sides of Rectangle is : 4");
 void area()
    Scannor sc - new Scannor (System.in);
    int 1,b;
    System.out.print("Enter length: ");
    l= sc.next.Int();
    System.out.print("Enter breadth: ");
    b= sc.next.Int.();
    System.out.println("Area of Rectangle: "+1*b);
class Triangle extends Shapes
 void no()
  System.out.println("\nNumber of sides of Triangle is : 3");
 void area()
```

```
Scanner sc - new
 float 1;
 System.out.print("Enter side: ");
System.out.println("Aroa of Triangle: "+0.433*1);
class Hexagon extends Shapes
void no()
   System.out.println("\nNumber of sides of Hexagon is : 6")
void area()
   Scanner sc - new Scanner (System.in);
   float 1;
   System.out.print("Enter length: ");
   ] = sc.nextInt();
   System.out.println("Area of Hemagon: "+2.598+1);
ublic class abs
public static void main(String args[])
 Shapes s:
 s=new Rectangle ():
 s.no();
 S.area():
 s-new Triangle();
 s.no();
 s.area();
 s=new Hexagon();
 s.no().
```