

Enter height and width of rectangle

20 15

Area of Rectangle is 300

Enter height and base of Triangle

10 20

Area of Triangle is 100.0

Enter radius of Circle

5

Area of Circle is 78.5

Date ____ / ____ / ____

```
class circle extends shape
{
```

```
    Scanner s = new Scanner(System.in);
```

```
    void print-area()
    {
```

```
        System.out.println("Enter radius of circle");
        r = s.nextInt();
```

```
        System.out.println("Radius of circle is " + 3.14 * r * r);
    }
}
```

```
class main
{
```

```
    public static void main(String ss[])
    {
```

```
        rectangle r = new rectangle();
        r.print-area();
```

```
        triangle t = new triangle();
        t.print-area();
```

```
        circle c = new circle();
        c.print-area();
```

```
    }
```

```
}
```

Enter length and breadth of rectangle

20 15

Area ~~300~~ of rectangle is 300

Enter height and base of triangle

10 20

Area of triangle is 100

Enter radius of circle

5

Area of circle is 78.5

12/22

Date ____/____/____

Saathi

Program 3

```

import java.util.Scanner;
class Shape
{
    Shape()
    {
    }
    int h, b;
    abstract void print_area();
}
class rectangle extends Shape
{
    Scanner s = new Scanner(System.in);
    void print_area()
    {
        System.out.println("Enter length and breadth of rectangle");
        h = s.nextInt();
        b = s.nextInt();
        System.out.println("Area of rectangle is " + h * b);
    }
    rectangle()
    {
    }
}
class triangle extends Shape
{
    Scanner s = new Scanner(System.in);
    void print_area()
    {
        System.out.println("Enter base and height of triangle");
        h = s.nextInt();
        s = s.nextInt();
        System.out.println("Area of triangle is " + 0.5 * b * h);
    }
    triangle()
    {
    }
}

```