

Caution! Please do not move away from the window

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Area of Geometric shapes.

The MNC 'MathAtTip' wants to create programs for calculating Geometric shapes, as mentioned below,

1. Area of Circle,
2. Area of square,
3. Area of Triangle,
4. Area of Rectangle.

Write a java program to help the company to develop the program as mentioned below by using Switch case.

Sample Input 1

3
2 3

Sample Output 1

3.00

Sample Input 2

2
8

Sample Output 2

64.00

JAVA (1.8)

For JAVA, the class name needs to be Main



▶ Compile & Run

O/P »

```

1  /**
2   *
3   * NOTE : Class Name should be Main
4   *
5   */
6  import java.io.*;
7  import java.util.*;
8  class Main {
9      public static void main(String[] args) throws InterruptedException {
10
11          // input
12          Scanner scn = new Scanner(System.in);
13          int n = scn.nextInt();
14
15          // n = 1 : input radius (circle)
16          //n=2 : input side (square)
17          //n=3 : input height,base (triangle)
18          //n=4 : input length ,breadth (rectangle)
19
20          double radius,side,height,base,length,breadth;
21
22          double area = 0;
23
24          if(n==1){
25              radius = scn.nextFloat();
26              area = (3.14)*(radius*radius);
27          }
28          else if(n==2){
29              side = scn.nextFloat();
30              area = side*side;
31          }
32          else if(n==3){
33              height = scn.nextFloat();
34              base = scn.nextFloat();

```

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