

```

1 package com.mycompany.practica010;
2
3 import java.util.Scanner;
4
5 public class Practica010 {
6
7     public static void main(String[] args) {
8         Scanner leer = new Scanner(System.in);
9         int diametro;
10        System.out.println("Hello World!");
11        System.out.println("Ingrese el diametro para calcular el area del circulo y el triangulo que se forma adentro");
12        diametro = leer.nextInt();
13        calcularArea(diametro);
14    }
15
16    static void calcularArea(int diametro) {
17        float areatriangulo;
18        float radio;
19        float areacirculo;
20        float pi = 3.1416f;
21        radio = diametro / 2f;
22        areacirculo = pi * radio * radio;
23        areatriangulo = (diametro * diametro * (float)Math.sqrt(3))/4;
24        System.out.println("El área del círculo es: " + areacirculo);
25        System.out.println("El área del triángulo que se forma adentro del círculo es: " + areatriangulo);
26    }
27 }
28
29 }
30
31
32

```

```

Microsoft Windows [Versión 10.0.22621.1702]
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C:\Users\mesia>cd Desktop
C:\Users\mesia\Desktop>cd "P00 tareas"
C:\Users\mesia\Desktop\P00 tareas>cd "Nueva carpeta (2)"
C:\Users\mesia\Desktop\P00 tareas\Nueva carpeta (2)>javac CircleAreaCalculator.java
C:\Users\mesia\Desktop\P00 tareas\Nueva carpeta (2)>java CircleAreaCalculator
Hello World!
Name: Mesias Mariscal
NRC 9642
Objeto Oriented Programing
Enter the diameter to calculate the area of the circle and the triangle formed inside.
The area of the circle is: 78.53999
The area of the triangle formed inside the circle is: 43.30127
C:\Users\mesia\Desktop\P00 tareas\Nueva carpeta (2)>

```

