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Class: CST-105

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Question 1:

Design a flowchart for the following program: (radius/computes area of circle).

@description: Program to calculate area and circumference of circle

\* with user interaction. User will be prompt to enter the radius and

\* the result will be calculated based on the provided radius value.

\*/

import java.util.Scanner;

{

static Scanner sc = new Scanner(System.in);

public static void main(String args[])

{

System.out.print("Enter the radius: ");

/\*We are storing the entered radius in double

\* because a user can enter radius in decimals

\*/

double radius = sc.nextDouble();

//Area = PI\*radius\*radius

double area = Math.PI \* (radius \* radius);

System.out.println("The area of circle is: " + area);

//Circumference = 2\*PI\*radius

Double circumference= Math.PI \* 2\*radius;

System.out.println( "The circumference of the circle is:"+circumference) ;