per) Write a java program to resold an abstract class shape with abothed methods calculate Area () and calculate Period 1110 Prosts subclasses (HTLE and The Triangle that extend the chart class on I implement the respective methods to calculate the area and printer y each shape inyork java util Scanner: distract class shape 2 abstract double extendate Areal); doctract double continuate Perimeter(); Class Circle extends Shape & private double radius; Public Errole (double radius) & this radius=radius', Co Irviride dente calculate Area () S return Math. PJR Math. pow (radius, 6:2)-(a) Dremide double calculate Perimeter () q Petern 2k Math . PI " radius > class Triang & cateros Shapig private double side 1, side 7, side 3; public Tolongle (double side), double side 2, double side 3) {

this sidel = sidel ; this side? = side?; this - sides: sides; @ Overtide double calculate Area () { double 5 = (side 1 + side 2 + side 3) / 7; return Math squt (5 + cs-side) * (5-side 3); a grent de double calculate l'erimeter () & retorn side 1 + Side Zest de 3 > public class his public static void moun (string () args) & Sconner Scanner = new Scanner (& ystem-In): System. out . printly [" laster the radius of the Orele ."); double circle Radius = scanner next Double (); (incle circle = new Eircle / circle Roughs): System. Out. prodly (Exter the length of side) of the frieng "); double triongle Sidel = scanner next Double (); System pat, print la Crifater the length of side 2 of the trangle double thought side 2 = Souhor, next Double ();

system out printer ("fator the long" of sold & of the trong's double trought ride a sound next section Tringle triangle nontringle (triangle side), thingle sides, they lessed is Scanner, close (); eyelan and print in (" In (Inth Acca :" + livele labelate Area(s)) Sydam and pond in C"little Perincipal . " a circle calculate formation (1) System .c.t. printle ("In Triangle Area : " + trongle . Calculate tres ()) System antiprint la l'Triangle Perimeter. " attiongle la la late Perimeter " · toplise Enter the radius of circle: 2 Ender the largeth of the triangle: 3 Goter the length of side? of the triangle:33 Exter the length of side 3 of the triangle : 2 Lincle Area: 12.561 Circle formater: 12.263 Trougle Aren - NonN Triough permeter; 38 ()