Lab 4 pregrams: Jana program to wester an abstract class named shape containing two integers and an empty nethod named print Area (). import jana vitil Scanner; das Input Scanner & int d1, d2; Sanner & = new Scanner (System in); Input Scanner () { if (this get class) = = Circle class) & System out printer (" Enter da: "); d1= sc. next Int (); else & Lystem : out. printly (" Enter al and d2:"); d1 = sc.next(nt(); d2 = sc. next Int (); abiliant class Shape extends InputScanner & ? about roid print frea esi Class Triangle externels Shape & vend PrintAsea () § System. out: println ("Area of triangle is: " + (double) (d1\*d2) (2); class Rutangle extends Shape &



void printArea () { system out-printly ("Area of rectangle is: " + (donese) (d1 \* d2)); clan Circle extends Shape & void print Area () { System out printer ("Area of cricle:" + (donne) (3.14+d) in , and clean = = Cardendam) ? dan frenmain & (C:14 m) ) Days iso mo public static word main (String args []) & Rictargie r=new Richargie C), Triangle tr = new Triangle (); airde c= new lirde (); r. mint frea (); tri print frea () i 4 C. print Areal) OU TPUT !-Enter d1: Enter al and d2: Area of rectangle is: 20:0 Enter d1 and d2! A reig triangle is : 7.5 Area of will : 113. 83 aggs.