02/01/24 LOBOU: Develop a java program to create an abstract class named shape that contains two integers and an empty method named peintarea (). Provide there classes named Rectangle, Triangle, Circle such that each en of the classes extends class shape. Each one the classes contains only the method Printfrea() that prints area of given shape. import java util Scanner; class InputScanner ? int d1, d2; Scanner S=newScanner (system:m); Input Scannes () 3 if (this getclass () = = circle class) System.out.println ("Entre radius of circle\n");

d1 = 8.nextInt(); System out printly (" Enter height Sq widthin") d1= s.nextInt(); d2=s.nextInt(); abstract class Shape extends Input Scanner () 3 abstract void printhreal);

class triangle extends shape & yord Printfrea() { System. out. println ("Area of triungle in + (double) (d1 d2)/2 class rectangle extends shape & void Print Area () & System out println ("Area of techangle is: "+ (double) (d1*d2)); class circle extends shape & void PrintArea () } System out printly ("Area of circle is:"+(double)
(3/4 * d1 * d1)); ans drea Main 3 public static void main (String args [1) & hectangle r = new Rectangle (); Triangle t = new Triangle (); Circle c = new Circle (); S. Print AreaD t. Print Arcal) C. Print Area ()

corner a land shape OUTPUT: Enter height and width: 4 sectionale extends hispe Enter radius of circle: Operating how Avea of vectangle is: 8.0 Area of triangle is: 21.0 Area of circle is: 48.5 Extern out printly ("Ag of call is" + () ons been worm