9/12/22 Lab Program 4: Develop à Java program to create au abstract class named shape that contains two integers and an empty method named print Area () provide three classes named Rectargle, Triangle and Civile such that each one of the classes entends the dass Shape Each one of the classes contain only the method print Area () that prints the area of the given shape. Import java util . Scanner; abstract class Shape int a, b; abstract vaid print Alea (); Void set () Scanner 55 = rew scanner (System.in);

System-out fruitly ("luter the height and break: "). a=SS next Int() b=SS neut Int(); Class Rectargle entends Shape void print Alea () & & System out println ("The area of Rectagle is: "+(atb))} lass Triangle entinds Shape { Void print Ala() { System out frintly ("The area of Trianglis:"+ (a\* b\*1/2). Class circle entends shape Void print frea () Scanner SS = new Scanner (Systemia); System out print ("Enter the readies: "); a = 55. nent Int(1;

System out . print la ("the area of circle is: "+ (3.14 a a)) public static void main (string XX[]) Rectange RI = new Rectangle (); R1. set(1) RI print Area(); Triangle TI= new Triangle (1) 11. set(); II print Ala (1) civile (1 = new civile (); (1. print Area ();

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C:\Users\Aditi Suhrut\Documents\Aditi\Java>java Main Abstract
Enter The height and breadth:
4 4
The area of Rectangle is: 16
Enter The height and breadth:
4 4
The area of Triangle is: 8
Enter the radius:
The area of Circle is: 50.24
C:\Users\Aditi Suhrut\Documents\Aditi\Java>_
```