Develop in Java program to deate an abstration class ito find the drea of Rectangle, Isian and circle.

import java util Econner;

abstract class Shape &

int a, b;

abstract void printArea();

class Rectangle extends shape &

Rectangle lint &, int by);

a = 1;

b = bri;

publicated perint Asia () of lectangle = "+deba); class Thiangle & extends Shape? Triangle (int ba, int h) { publicion of pountAueal) Lystem. out. printer ("Auea double varion: 0.5 * a * b; System. out. println ("drea of triangle class Circle extends shape { circle Cient 4) ? soluble solien: 3.14 *1 public void point Asica () [double ratea = 314* 4 + 11; System. out. println (" Area of the linde + area 3 Leady to only brand class Mains public static void main (String () augs) Scanner in= new scannerløystem.in); System. out println ("Enter the area sides of a Rectangle "); Rectangle nec new Rectangle que c. privit Aura Distin nent Int (), in next Int dystem out printer l'Enter the base and height of a striangle! "); Touangle tou = new Triangle (Lyin next Intl), in next Intl) thi, phint Alea ();

System out puintly ("Enter the mading of a circle liville in = new liville (in next) cir. paint Aura (); olgouithm: anit execute abstract class shape Start diep1: in which sinitialize valuable a lb detap ?: Step 3: tall for printAreal) function in abstract enter alerabeth & breadth of a sectande atep4. (d, bu) under clars Rectangle extende Ruint "Area of rectangle "+ 1 * bu. Step 5: Read has elbo) and heighth) of a turangle entends Shape a to a b=h Print due of finale: "+ (0.5*b*h) Steps - Read wadius we) of a linche under class while of artends shape Plint " drea of livele : "+ (3.14 * 4 4) Step 7: Stop. Thou shall with Output Enter the length and bueadth of a decitangle Quea of sectangle: 12.0 the base and height of a triangl: Enter 4 10 Area of theangle : 20.0 Enter the radius of circle. 12/01/24 dula of livele = 153.86

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Microsoft Windows [Version 10.0.22621.2715]
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D:\java\oops>javac E.java

D:\java\oops>java E

Name: Aditya Dinesh Netrakar

USN: 1BM22CS017

Enter length and breadth of a rectangle:
3 4

Area of rectangle: 12

Enter base and height of a triangle:
4 10

Area of the triangle: 20.0

Enter the radius of a circle:
7

Area of Circle: 153.86
```