paperism. hab Program 4 Date. 9/12/22 0 Develop a Java Program to execute an abstract class named shape that contains two entegers and an empty method mamed from Area (). Provide three classes named Rectangle, Topangle and ciercle such that each one of the classes extend the class shape. Each one of the classes contain only the method point drea () that points the corea of the guen shape. abstrad class Shape Double breadth; Shape (double l, double b) Shape (double (and) abstract double areal; Class Rectangle extends Shape

Rectangle (double 2, double b) Supes (l.b);

paperism-Date: double area () return length * breadth; torangle extends Shape class toangle (double 1, doubles) 2 return (length & breadth)/2; class civile extends Shape corde (double rad) 3 super (sead); 3 reliern 3.14 * radius * radius; Class areas & public static void main (Strings augs Rectangle & = new Rectangle (2,2); 18iangle t = new triangle (3,3); Ciercle C= new circle (2);

paperism. System. ord. println(er area of rectangle: "+ System. out. println (e avea of trangle: " t. ard); System. out. println (" area of circle: "+e. area); OUTPUT: area of rectangle: 4.0

area of triangle: 4.5

area of circle: 12.56.

C:\Users\Aisha Taffazul\Desktop\notes\3rd sem\java programs\shapes>java areas

C:\Users\Aisha Taffazul\Desktop\notes\3rd sem\java programs\shapes>

Command Prompt × + ×

area of rectangle :4.0 area of triangle :4.5 area of circle : 12.56