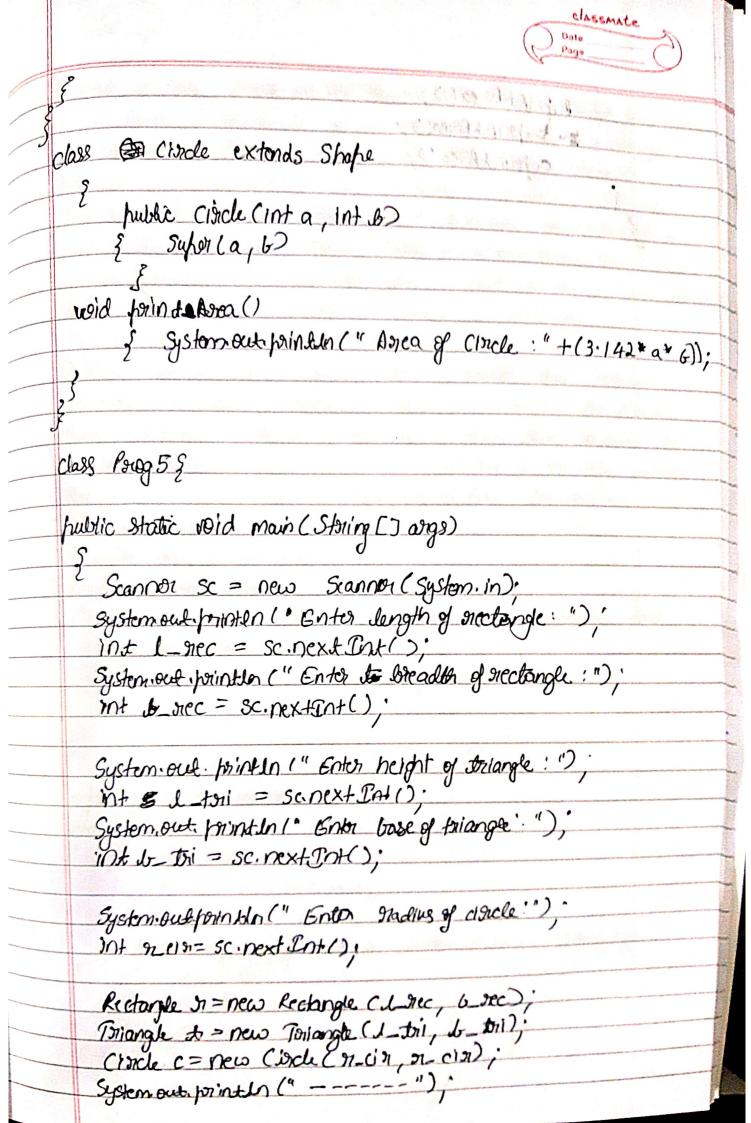


	Develop a Java foregoin to orche and an empty method Shape that contains two integers and an empty method maned foring Agree (), forevid those classes point Rectargle: By and one Circle such that each one of the classes extends the
	and an Circle such that each are grants only the mothers.
	class Shope. Each one of classy contains only the mother.  printpareals a that prints the ones of given shape.
	hainthneal) o that fulling
	· ; 0=1 4x 3
4	imbort to inva util scorner.
·	import inva viil. Scannon; abstract class Shape
	17 Jalan J. San J. Carrier Ord - 188 JEROSE
= 37	
= 4	5 this, a = a;
	His.b = 6 6;
	· Oslidah. He
	S : Christell like
	Class Rectangle extends Shahe
	3 hublic Rectorate (int a, int b)
	5 Supor (a, b);
	J .
	void print Agreal)
	5
	Systemout printel (" Byca of reactorgle: "+(a*6))
	25
	class 1911argle extends Shape
	class Porlangle extends Shape 5 public Porlangle (Int a, Int 6)
	{ Supres (a, 6);





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Shape - Notepad
File Edit Format View Help
import java.util.Scanner;
abstract class Shape
  int a;
  int b;
  abstract void printArea();
  public Shape(int a, int b) {
    this.a = a;
    this.b = b;
class Rectangle extends Shape
  public Rectangle(int a, int b) {
    super(a, b);
  void printArea()
    System.out.println("Area of rectangle:"+(a*b));
class Triangle extends Shape
  public Triangle(int a, int b) {
    super(a, b);
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```

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Shape - Notepad
File Edit Format View Help
  public Triangle(int a, int b) {
     super(a, b);
  void printArea() {
     System.out.println("Area of triangle:"+(.2*a*b));
class Circle extends Shape
  public Circle(int a, int b) {
     super(a, b);
  void printArea() {
     System.out.println("Area of Circle:"+(3.142*a*b));
class Prog5 {
  public static void main(String[] args) {
     Scanner sc = new Scanner(System.in);
     System.out.print("Enter length of rectangle:");
     int I_rec = sc.nextInt();
     System.out.print("Enter breadth of rectangle:");
     int b_rec = sc.nextInt();
     System.out.print("Enter height of triangle:");
                                                                                                                                                       Ln 34, Col 52
                                                                                                                                                                           100% Windows (CRLF)
                                                                                                                                                                                                  UTF-8
```

```
Shape - Notepad
File Edit Format View Help
class Prog5 {
  public static void main(String[] args) {
     Scanner sc = new Scanner(System.in);
     System.out.print("Enter length of rectangle:");
     int I_rec = sc.nextInt();
     System.out.print("Enter breadth of rectangle:");
     int b rec = sc.nextInt();
     System.out.print("Enter height of triangle:");
     int | tri = sc.nextInt();
     System.out.print("Enter base of triangle:");
     int b tri = sc.nextInt();
     System.out.print("Enter radius of circle:");
     int r_cir = sc.nextInt();
     Rectangle r = new Rectangle(I_rec,b_rec);
     Triangle t = new Triangle(l_tri,b_tri);
     Circle c = new Circle(r_cir,r_cir);
     System.out.println("----");
     r.printArea();
     t.printArea();
    c.printArea();
                                                                                                                                                       Ln 34, Col 52
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```

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Microsoft Windows [Version 10.0.18363.1139] (c) 2019 Microsoft Corporation. All rights reserved.		^
C:\Users\sohan>cd C:\Users\sohan\Desktop\Java Programs\Shape		
C:\Users\sohan\Desktop\Java Programs\Shape>javac Prog5.java		
C:\Users\sohan\Desktop\Java Programs\Shape>java Prog5 Enter length of rectangle:10 Enter breadth of rectangle:5 Enter height of triangle:6 Enter base of triangle:3 Enter radius of circle:7		
Area of rectangle:50 Area of triangle:18 Area of Circle:153.958		
C:\Users\sohan\Desktop\Java Programs\Shape>_		
		~