PAGE NO DATE: Dévelop a Java program to create an abstract class name shape that contains two integers and an empty method named print Area (). Bourde Hosee classes named Rectangle, Priangle and circle such that each one of the classes extends the class shape. Each one of the classes contain only the method print Arear) that pronts the area of the given shape. impost java outilex; class input Scanner 9 Scanner s; public input scanner () s=new Scanner (system.in); public double get Double input (string message) system. out. prindln (message); detudn s. next Double (); public void dosessanner () 9.010201).2 the state of the s abstract class Shape extends input seanner and the state of t double dimli double dima suppos();

	PAGE NO: DATE:
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	public abstract void printmea();
4	PUBLIC PLANT PLANT OF THE PERSON OF THE PERS
-	lass Rectargle extends shape
9	
	public Rectangle ()
	3 super(),
	public void printArea()
	a manufacture of the second of
	dim 1- getDouble input ("enter length of rectargle");
	dim 2 : get Double input l'entex breadth of rectangle!
	double area = dim1 dim2;
	System out-println ("area of rectangle: "tarea);
3	ain profit Harris Hard In alder
3	lass Briangle extends shape
	public Poiangle()
	y super();
	public void printArea ()
	1
	dim 1 - get Double imputt enter base of toiongle');
	dim 2 = getpoubleinput ('renter heigh of triangle');
	double area = 0.5 * dim/*dima;
	3 sydemout. println ("area of triangle: "torea);
9	
4	ass circle extends shape
7	i Bohana

PAGE NO : public Circle() () 69 qu2 public void printArea() dim) = getDouble input ("enter radius of circle"); double area = Math. PI * dim1 * dim1; System.out.println ('area of circle: "tarea); class Area Demo public static void main (string[] args) Rectangle 8 = new Rectangle (); Briangle t = new Triangle(); Circle c = new Circle(); d. point Area (); t.printArea(); c.printArea(); 8. closeScanner(); enter broadth of rectangle: 4

enter broadth of rectangle: 5

area of rectangle: 20.0

enter base of triangle: 2 enter radius of circle: 3

area of circle: 28.274333882308138