	DATE / /
	Lab program 4
0	abstract class Shape
	1
	double dim1;
	double dim 2;
	Shape (double a, double b)
	dim 1 = a;
	dim2 = b;
	3
	abstract double area ();
	3
	class Rectangle extends Shape
	£ 0
	Rectangle (double a, double b)
	3
	Super (a, b);
	3
	double area ()
	9
	System. out. print In (" luside Area for rectangle:"); return dim1 * dim 2; 3
	return dim + dim 2;
	7
	2
	Class Triangle extende Shape
	Class Triangle extende Shape
	Taxanola (double a double b)
	Trangle (double a, double b)
	4
	double area ()
	Court office of

	PAGE NO.  DATE / /
	2
	System out printle ("inside area for Triangle:");  return dim 1 * dim 2/2;
	2 return dim x dim 2/2;
	7
	7
	class Grele extends Shape
	S Circle (double a)
	Super (a, a);
	double aua ()
	Cuch 1 (41 ( - 1 - 1 - 1).
	System. out. print In ("Inside area for Tircle:"); return 3-14 todim1 todim1;
	2 return 3.14 toum! * aim!
	2
	public class AbstractAreas
	s public claim Abstract Areas
	matic chalic void main (china and [7]
	public static void main (String ags [])
	Roctangle $\gamma = \text{new Rectangle (9,5)};$ Triangle $t = \text{new Triangle (10,8)};$
	Circle C = new Circle (7):
	Circle c = new Circle (7);
1	Sustance to 1" Association (1)
	System. out. printle ("Area is: "+ Shapef. aca(1)
	System out print la (" Avea is :"+ shape j. aua ());
1	Shape f = C:
-	System out printly ("Area is "+ shape, area ());
1	2
+	J