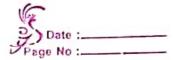
21.1	LAB-4
	CAB**
	Develop a Java program to escate abstract
	Develop a Java program to escale abstract dans shape which finds area of different
	shapes.
	import java. util . Scanner;
-	abstract class Shape
	<i>{</i>
	int dim1;
	Scanner S = new Scanner (System.in):
	abstract void print Area (2)
	abstract void input();
	3
	class Rectangle extends Shape
	void input ()
	{
	System aut printly (Enter length and
	din1 = s. next Int ();
	dim 2 = s. next Int ();
	3
	void print Anea ()
	C. L. L. C. A. T. Changle
	System.out. println ("Anea of sectorghist + (dim 1 + dim 2) + " squaits");
	3
	3



- T	
	class Triangle extends shape
	S Shape
7	void input ()
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	System out println ("Finter base and
7	height: ");
8	dim = s.next Int ():
100	dimg = s.next Int ();
9	3
	Void print Arica ()
	f in action in
	System out println ("Area of triangle ="
(1)	System. out. println ("Area of triangle =" + (dim I * dim 2 /2) + " sq units");
	3 · Laville Source & de
H	3
K	· · · · · · · · · · · · · · · · · · ·
	Class Circle extends Shape
	l f
9	Void input ()
	<i>\\</i>
	System. out . println ("Enter radius: ");
	dim 1 = s. next Int ();
	3 Married Free Married Mills
	void printArcal)
	S Nint
	System out printle ("Area of incle = "+
	(3.14 * dim1 * dim1) + " 19 units");
	3 min of the standard of
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	distribution of the state of th
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class Anca public static void main (string angs[1]) Rectangle & = new Rectangle (); Triangle t = new Triangle (); Circle c = new (incle); Shape xef; xet = x; xet input (); xef. print Anca (); xef. pr	<u></u>		
Enter length and preadth: Enter length and preadth: Enter base and height: 6 3 Area of triangle = 9 ag units Enter radius: 4		class Ancarrie	2
Rectangle x = new Rectangle (); Triangle t = new Toxangle (); (incle c = New (incle)); Shape xef; xef = x; xet input (); xef print Area (); xef = c xef input (); xef = c xef print Area (); Then length and breadth: 4 5 Area of nectangle = 20 sq units Enter base and height: 6 3 Area of triangle = 9 sq units Enter sadius: 4		5	_
Rectangle x = new Rectangle (); Triangle t = new Toxangle (); (incle c = New (incle)); Shape xef; xef = x; xet input (); xef print Area (); xef = c xef input (); xef = c xef print Area (); Then length and breadth: 4 5 Area of nectangle = 20 sq units Enter base and height: 6 3 Area of triangle = 9 sq units Enter sadius: 4		public static void main (String anger)	_
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Triangle t = new triangle (): (incle c = new (incle 1); Shape xef; xef = x; xef input (): xef print Area (); xef print Area (): xef print A		Restangle & = new Restangle ():	_
(inde c = New (indel); Shape xef; xef = x; xef input (); xef = t; xef input (); xef print Area(); xef = c; xef input (): xef = print Area(); xef = r; xef = x; xef input (); xef = print Area(); xef = print Area(); xef = r; xef = r; xef input (); xef = print Area(); xef = print Area(); xef = r; xef = r; xef input (); xef = print Area(); xef = r; xef = r; xef input (); xef = r; xef = r; xef input (); xef = r; xef = r; xef input (); xef = r; xef = r; xef input (); xef = r; xef = r; xef input (); xef = print Area(); xef = r; xef input (); xef = print Area(); xef = print Area(); xef = r; xef input (); xef = print Area(); xef input (); xef = print Area(); xef input (); xef input (Triangle t = new triangle ().	_
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xef. print Area(); ref = t: ref. print Area(); xef. print Area(); xef. print Area(); xef. print Area(); xef. print Area(); The print Area()	<u></u>	set = x;	_
xef. print Area(); ref = t: ref. print Area(); xef. print Area(); xef. print Area(); xef. print Area(); xef. print Area(); The print Area()		xet.input():	_
Set input (); set. print Area(); set. print Area(); set. print Area(); ret. print Area(); Y 2 OUTPUT: Enter length and breadth: 4 5 Area of rectangle = 20 sq units Enter base and height: 6 3 Area of triangle = 9 sq units Enter radius: 4			
Enter base and height: Enter sadius: 4 Sef. print Area(): Xef. input(): Xef. print Area(): Xef. prin			
Set input (): 8et print Area (): 3 3 COUTPUT: Enter length and breadth: 4 5 Area of rectangle = 20 sq units Enter base and height: 6 3 Area of triangle = 9 sq units Enter radius: 4	Ni Ni	set input ();	
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Enter length and breadth: 4 5 Area of rectangle = 20 sq units Enter base and height: 6 3 Area of triangle = 9 sq units Enter radius: 4		8et print Area ()	_
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Enter length and breadth: 4 5 Area of nectangle = 20 sq units Enter base and height: 6.3 Area of triangle = 9 sq units Enter radius: 4		5	_
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Enter base and height: 6.3 Area of triangle = 9 sq units Enter radius: 4		4 5	_
Enter base and height: 6.3 Area of triangle = 9 sq units Enter radius: 4		Area of nectangle = 20 sq units	_
Area of triangle = 9 sq units Enter radius: 4	• '	Enter base and height:	_
Enter radius:	- 3	6.3	_
4			_
Area of circle = 50.24 sq units		Enter radius:	_
The of Unite = 50.24 sq units		Area of sinds of South	
	Garage Control	of units	_