LAB PROGRAM 4

Develop a Java program to create an abstract class named Shape that contains two integers and an empty method named printArea(). Provide three classes named Rectangle, Triangle and Circle such that each one of the classes extends the class Shape. Each one of the classes contain only the method printArea() that prints the area of the given shape.

l'	abstract class shape
la de la constitución de la cons	int a=3, b=4;
william providence and the second	abstract public void print-area();
a house of the second s	3 print-aua();
Constitution of the second section of the section of	
	class rectangle extends shape
	public int area-rect;
	public void print-area ()
	{

	THE PARTY OF THE P
- 11	3 SOP (" the area of rectangle is: " + area - rect);
	3
	class triangle extends shape
	int area-tri;
	public void print-areal)
	aua - tri = (int) (0.5 * a * b);
	SOP (" The area of triangle is: "+ area_tri);
	class circle extends shape.
	\
	int area-write;
ublic	print void print-alea!)
	S S
	alee- Circle = (int) (3.14 * a *a);

SOP("The area of circle is:"+ area-circle);
3
public class JavaApp.
public static void mouin (String augs [])
rectourgle v= new rectangle (1)
triangle t = new triangle ();
t. plaint - area (); riecle c = new circle();
The area of triangle is:12 The area of triangle is:6 The area of circle is:28