02/01/2023 Lab Program 4: G. Java program to create an abstract class named shape that contains two integers and an empty method named print Area ()... infrost java util Scanner; Ans: abstract class Shafra ? prostected int protected int d1; protected int d2; public abstract roid printAria (); public roid set Dimensions (int d1, int d class Infut Scanner {
Scanner s = new Scanner (System in);
double getInfut (String prompt) {
System out pointln (prompt);
return s. next Double ();
? abstract class Shafre extends Input Scanner & double st, s2;
abstract void over (); class Rectangle extends Shape & Rectangle () { s = getInfut (" Enter the length of the rectangle: "); sa = getInfut (" Enter the breadth of the rectangle: ");

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void orea () {
           double area = $1 * 22;
System. out. println ("Area of the rectangle = "+ area);
3
class Triangle extends Shape ?
Triangle () ?
           s1 = getInfut ("Enter the base of the triangle:");
s2 = getInfut ("Enter the height of the triangle:");
      void area () {
          double area = 21 * 22/2;
System. out. println ("Area of the triangle = " + orea);
class Circle extends Shape & Circle () &
           & = getInfut ("Enter the radius of the circle: ");
      void area () {
           double orea = Math. PI * 21 * 28
         System. out println ("Area of the circle = "+ area);
class Main 1 &
     Prublic static void main (String args []) {
Rectangle or = new Rectangle ();
          Triangle t = new Triangle ();
                      c = new Circle ();
           n. area ();
```

		Page	= 5
		3	
	t. area ();	9 11	[86]
	c. area ();	7 ME	6.
	Output:	topic March	
	Enter the length of the rectangle:	side sint	
.0.+	Enter the breadth of the rectangle:	#2 Rh	
	Enter the base of the triangle:	TY	
	Enter the height of the triangle:		
	Enter the gradius of the circle:	5.	
	Area of the Rectargle = 12.0		
	Area of the Rectangle = 12.0 Area of the Triangle = 9.0 Area of the circle = 50.265483	145	
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