

## Vidyavardhini's College of Engineering and Technology

## Department of Artificial Intelligence & Data Science

CI		AY: 2024-2	25			
Class:	SE	Semester:	TT-		_	
Course Code:		Course Name:	object oriented	Proscovaning		
		and the second of the second o	The state of the s	JAVA.		

Name of Student:	
Roll No. :	Athama. V. Boxe
Assignment No.:	07.
	01
Title of Assignment:	
Date of Submission:	
Date of Correction:	

## Evaluation

Max. Marks	Marks Obtained
5	
3	
2	
10	
	Max. Marks  5  3  2

Performance Indicator	Exceed Expectations (EE)		
Completeness	5	Meet Expectations (ME)	Below Expectations (BE)
Demonstrated	3	3-4	1-2
Knowledge Legibility	3	2	1
Legibility	2	-	
		1	0
			The same of the sa

## Checked by

Name of Faculty : Signature :

Date

.

Assignment no.2 write a Java class pamed triangle that includes method to: Accept the base and triangle height of the triangle Calculate the aria of the treangle Display the calculated area Am 1) Class Triangle ? private double bass; private dans le helight; public void accept Dimensians () f Scanner scanner = new Scanner (system.in); System. out. prent ("Enter the height of the triangle: "); base = scanner nent Dauble (); System. aut. print ("Enter the height of triangle:"); height = Scanner next Dauble (); Publicites double calculate Area () { dauble area = (alculationed (); System. out. printin ("The area of the triangle is:"t public class Triangle Area of public static void main (Firing[ Jargs) { Tréangle tréangle = new treangle (); triangle accept Dimensians (); y triangle, display, Area (),
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en 2) Create a classetréangle with a défualt constru short set the length and windth to 9, and a parameterized constructor that accepts length and width as parameters. Implement methods to calculate and display the area. Import java. util. Scanner; Ans public class Rectangle. this length 21 this width 21; public Rectang le (double length, double width) } this length = length; this width = width; public void settength (dauble langth){ this length = length; public vonid set whath (double whath) this width = width; Public void display Area () I dombre area = calculate Area (); diptem. autprintin ("The area of the revangle is: "tarea); public static void moin (ining [] args) { FOR EDUCATIONAL USE Sundaram

Rectangle défault Rectangle = new Rectangle (); dejault Rectangle, display Area (); Rectangle custom Rectangle = new Rectangly (5,10); custom Rectangle display frea (); custom Rectangle set length (7); Custom Ructangle set width (12); custom Rectangle. display frea (); (reall a dass student that has constructor for (B) initializing student details such as name rall number and marks. Overloaded the sumstructor to allow Creation of student with just name and rall no. Implement a method to display to the students details. Dublic class student of private tring name: private int rall Number. private dauble marks; public student fring name, introullumber, double marks ) [ this name = name; this rall number = roll Number. this manks = marks; public student (string name, intrau Number) { this name = name , FOR EDUCATIONAL USE Sundaram

this rollNumber = nell Number o, this. marks = 0,0; public raid display Details (){ Lystem. aut. println ("Name: " + name); Lystem. aut. println ("ROU Number:" + rollhumber); Lystem. aut. print In ("marks:"+ marks); Public static vaid main (Mring [] args) { Student studen 1 - new student ("Alice", 101, 88.5); Student 1. display Details (); Student student 2 z new student (11BOb",102); student 2. display detuils ();

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