

LESSON PLAN

SUB: OBJECT ORIENTED PROGRAMMING USING JAVA(PRACTICAL-3)

BRANCH:- COMPUTER SCIENCE & ENGINEERING

SEMESTER:3RD

NAME OF FACULTY: PRAFULLA KUMAR MUNDA(LECT.IN CSE)



GOVERNMENT POLYTECHNIC, BHADRAK

SESSION -I, 2024-25

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Discipline: Computer Science & Engineering	Semester: 3rd , Winter /2024	Name of the faculty: Prafulla Kumar Munda Email: prafulla.guia@gmail.com
Subject: Object Oriented Programming using JAVA(Practical-3)	No. of Days/week: 02 (2 periods / Day)	Start Date: 01/07/2024 End Date: 8/11/2024

Week	Class Day	Practical Topics
1 st	1 st	Write a Java program to print 'Hello' on screen and then print your name on a separate line.
	2 nd	Write a Java program to print the sum of two numbers.
2 nd	1 st	Input the basic salary of an employee of an organization through the keyboard. His dearness allowance (DA) is 40% of basic salary, and house rent allowance (HRA) is 20% of basic salary. Write a java program to calculate his gross salary.
	2 nd	Write a Java program to print the area and perimeter of a rectangle.
3 rd	1 st	Write a Java program to swap two variables.
	2 nd	Write a Java program that takes a number as input and prints its multiplication table upto 10.
4 th	1 st	Write a Java program to convert a decimal number to binary number.
	2 nd	Write a Java program to count the letters, spaces, numbers and other characters of an input string.
5 th	1 st	Write a Java program and compute the sum of the digits of an integer.
	2 nd	Write a Java program to reverse a string.
6 th	1 st	Lab Assignment -1
	2 nd	Write a Java program to accept a number and check the number is even or not. Prints 1 if the number is even or 0 if the number is odd.
7 th	1 st	Write a Java program to get the larger value between first and last element of an array (length 3) of integers.

	2nd	Write a java program to create an array of size N and store the random values in it and find the sum and average.
8th	1st	Design a class to represent a bank account. Include the following members : Data members: <ul style="list-style-type: none"> • Name of the depositor • Account Number • Type of account • Balance amount in the account Methods: <ul style="list-style-type: none"> • To assign initial values • To deposit an amount • To withdraw an amount • To display the name and balance
	2nd	Write a Java Program to find out area of the rectangle, triangle, and sphere using function over loading.
9th	1st	Write a JAVA program to give an example of copy constructor
	2nd	Lab Assignment -2
10th	1st	Write a Java program that takes as input three integers, a, b, and c, from the Java console and determines if they can be used in a correct arithmetic formula (in the given order), like "a + b = c," "a = b - c," or "a b = c."
	2nd	Create a class Point with instance variables x, y to represent co-ordinates of point and instance method set Point(). Write a Java program to find distance between two points using a method find Distance(Point,Point).
11th	1st	Create a class Student with instance variables name, roll, mark and instance methods set Data(), display(). Write a Java program to create three objects of Student class to input details of three different students and display the details. Enclose main() method inside another class Student Details. (Use the setter method set Data() to input details.)
	2nd	Write a java program to give an example of multiple inheritance.
12th	1st	Write a java program to give an example of package.
	2nd	Write a java program to read a file line by line and print the line on the output screen.(Read Line)
13th	1st	Write a java program to give an example of multiple inheritance.
	2nd	Define an exception called "No Match Exception" that is thrown when a string is not equal to "India". Write a program that uses this exception.
14th	1st	Create a class Student & enter mark, name of the student. If mark is more than 100, create exception Marks Out Of Bound Exception & throw it using Java
	2nd	Develop a java project for percentage calculator/temperature conversion tool.
15th	1st	Lab Assignment - 3
	2nd	Lab Test

Prakrulla Kumar Munde
Signature of faculty