

Department : Information Technology	Semester :3rd	Name of the teaching faculty: Madhusmita Dalai
Week-17 weeks	Days	Theory
Subject-Object Oriented Programming LAB	No.of days/per week class allotted 2p/week.	Semester from : 1st August 2023 to 30th November 2023
August 1st week	1 <sup>st</sup>	Introduction to OOPS in Java
	2 <sup>nd</sup>	Concept of OOPS
August 2nd week	1 <sup>st</sup>	Write a Java program to print 'Hello' on screen and then print your name on a separate line.
	2 <sup>nd</sup>	Write a Java program to print the sum of two numbers.
August 3rd week	1 <sup>st</sup>	Write a Java program that takes a number as input and prints its multiplication table upto 10.
	2 <sup>nd</sup>	Write a Java program that takes a number as input and prints its multiplication table upto 10.
August 3rd week	1 <sup>st</sup>	Write a Java program to print the area and perimeter of a rectangle
	2 <sup>nd</sup>	Write a Java program to print the area and perimeter of a rectangle
Sept-1st week	1 <sup>st</sup>	Write a Java program to swap two variables.
	2 <sup>nd</sup>	Write a Java program to convert a decimal number to binary number.
Sept-2nd week	1 <sup>st</sup>	Write a Java program to compare two numbers
	2 <sup>nd</sup>	Write a Java program and compute the sum of the digits of an integer.
Sept-3rd week	1 <sup>st</sup>	Write a Java program and compute the sum of the digits of an integer.
	2 <sup>nd</sup>	Write a Java program to count the letters, spaces, numbers and other characters of an input string.
Sept-4th week	1 <sup>st</sup>	Write a Java program to reverse a string
	2 <sup>nd</sup>	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.

Oct-1st week	1 <sup>st</sup>	Write a Java program that accepts two integer values from the user and return the larger values. However if the two values are the same, return 0 and return the smaller value if the two values have the same remainder when divided by 6.
	2 <sup>nd</sup>	Write a Java program to get the larger value between first and last element of an array (length 3) of integers
Oct-2nd week	1 <sup>st</sup>	Design a class to represent a bank account. Include the following members :Data members,Name of the depositor ,Account Number,Type of account,Balance amount in the accountS,Methods:To assign initial values · To deposit an amount · To withdraw an amount · To display the name and balance
	2 <sup>nd</sup>	REPEAT
Oct-3rd week	1 <sup>st</sup>	Given are two one-dimensional arrays, A and B which are sorted in ascending order. Write a program to merge them into a single sorted array C that contains every item from arrays A and B, in ascending order
	2 <sup>nd</sup>	Write a java program implementing multiple inheritance
Oct-4th week	Puja Vacation	
Nov- 1st week	1 <sup>st</sup>	Write a java program implementing package
	2 <sup>nd</sup>	Write a java program to read a file line by line and print the line on the output screen
Nov- 2nd week	1 <sup>st</sup>	Write a java program to read content from one file and write it into another file.
	2 <sup>nd</sup>	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.
Nov- 3rd week	1 <sup>st</sup>	Develop a java project for percentage calculator/temperature conversion tool.
	2 <sup>nd</sup>	Revision
Nov- 4th week	1 <sup>st</sup>	Revision

	2 <sup>nd</sup>	Revision
--	-----------------	----------

*M. Prokhorov*  
Signature of the Faculty  
29/7/23