Lab Plan

Name of the Course : OOPM(Java) Lab (CSL304)
Year/Sem/Class : S.E.(Comp) / Sem III / D7-A/B/C

Sr.	Topic	CO
No.		Mapping
1.	Program on Various ways to accept data through keyboard and	CO1
	unsigned right shift operator	
	1. Input through Command Line Argument	
	a) To demonstrate the concept of arithmetic operators.	
	b) List the subjects offered to you in sem III	
	2. Input through Scanner Class	
	a) Print the Fibonacci series upto the nth term taking the value of n	
	from the user.	
	b) WAP to reverse the four digit no.	
	3. Unsigned right shift operator	
	a) Demonstrate the working of right shift operator.	
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2.	Program On Branching ,Looping, Labelled break and continue	
	1. Branching	CO1
	a. WAP to print the roots of quadratic equation.	
	b. WAP to check if the entered no. is a prime no. or not.	
	c. WAP to demonstrate the working of types of operators (Bitwise,	
	Logical and relational) using switch case.	
	2. Looping	
	a. WAP to print the patterns.	
	b. WAP to print all the three digit Armstrong nos.	
	3. Labelled break & continue	
	a. WAP to demonstrate the working of labelled break and continue.	
3.	Program on Arrays	CO3
	1.1D Arrays	
	a. To search an given element in the Array.	
	b. To merge two arrays.	
	2.2D arrays	
	a. To check if the entered matrix is symmetric or not.	
	b. To perform Matrix Multiplication	
	c. To find out trace and Norm of a particular Matrix.	
4.	Program on Strings & String buffer	CO3
	a. Reverse the string and decide whether it is palindrome or not	
	b. Capitalize the first letter of each word	
	c. Count the frequency of particular letter and replace that particular	
	letter by #	
	d. Count the no. of uppercase, lowercase, blank spaces, digits, special characters from string	
	Characters if Offi string]

-	1. To demonstrate Graphics, Font and Color class	
18.	Program on Applet	CO6
	c. Program on concept of synchronization	
	b. WAP to print first 20 prime nos. and 15 fibonacci terms and also print the total time taken by each thread for the execution	
	class) b. WAP to print first 20 prime nos. and 15 fibonacci terms and also	
	a. WAP to print the table of 5,7,13 using Multithreading(Use thread	
17.	Program on Multithreading	CO5
	have a provision to handle it.	
	user defined Exception of type MarksOutOfBoundsException and must	
	subject is greater than 100 or less than 0 then program should create a	
	Exception class MarksOutOfBoundsException, If entered marks of any	
	date, center no. and marks of three semester. Create a user defined	
	c. WAP to calculate the Result. It should consist of name, seatno.	
	b. WAP to demonstrate the concept of multiple catch statements	
	a. Program to demonstrate try, catch, throw, throws and finally	
15.	Exception Handling	CO5
14.	reference	CU4
14.	Rectangle ,circle ,triangle Program on Dynamic method dispatch using base class and interface	CO4
	WAP to Create an interface Area & implement the same in different classes	
13.	Program on interfaces	CO4
12.	Program on Abstract classes	CO4
11.	Program on Single and Multilevel inheritance(Use super Keyword)	CO4
10.	Program on creating user defined package	CO2
9.	Program on passing object as argument and returning object	CO2
	display the area of figures like square, triangle, Rectangle and circle.	
	a. Consider a class Figure and overload the function called area() to	
8.	Program on method overloading	CO2
7.	Demonstrate the concept of constructor and constructor overloading	CO2
	4.to display the name & balance	
	3.to withdraw an amount after checking balance.	
	2.to deposit an amount	
	1.to assign initial values	
	amount in the account Methods:	
	members: name of the depositor, account number, type of account balance	
	a. Define a class to represent a bank account. Include the following	
	display details for single object.	
6.	Program to create class with members and methods, accept and	CO2
	c. WAP to find the frequency of an element in given vector array	
	not.	
J.	b. WAP to test whether the given element is present in the vector or	
	otherwise add it to the vector	
	check whether it is present in the vector. If it is present delete it	
5.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CO3

	a. Houseb. Traffic Signalc. Joker face	
	2. Passing Parameters to applets	
19.	 Program to create GUI Applications Create Registration form using AWT. Take a Login and Password from the user and display it on third Text field which appears only on clicking OK button and clear both the text Fields on clicking RESET button perform same using AWT. 	CO6
20.	Database Connectivity(JDBC)	CO6
21.	Mini Project based on concept of the syllabus.	CO1,CO2, CO3,CO4, CO5,CO6