

# **LAB ASSIGNMENT RECORD**

**On**

**BCAMJ23551**

## **Object Oriented Programming Concepts Using Java Lab**



**COLLEGE OF COMPUTING SCIENCES AND INFORMATION TECHNOLOGY  
TMU, MORADABAD**

**Aug 2025– Dec 2025**

**Submitted To:**

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Asst. Professor**

**Submitted By:**

**Student Name:  
Course:  
Semester/Section:  
Enroll. No.:**

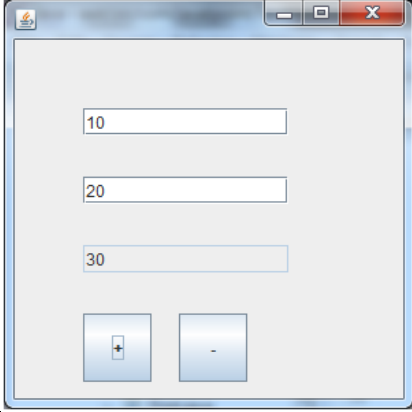
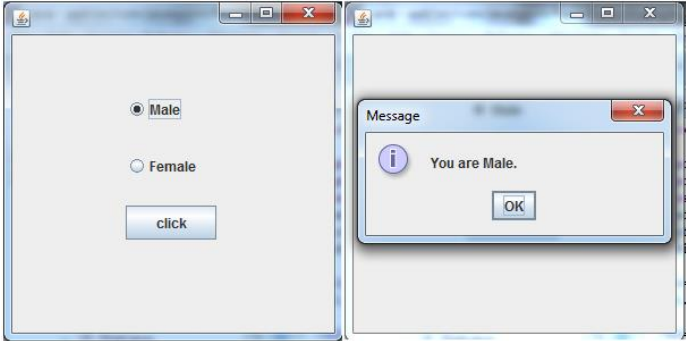
## Assignment-No. 1

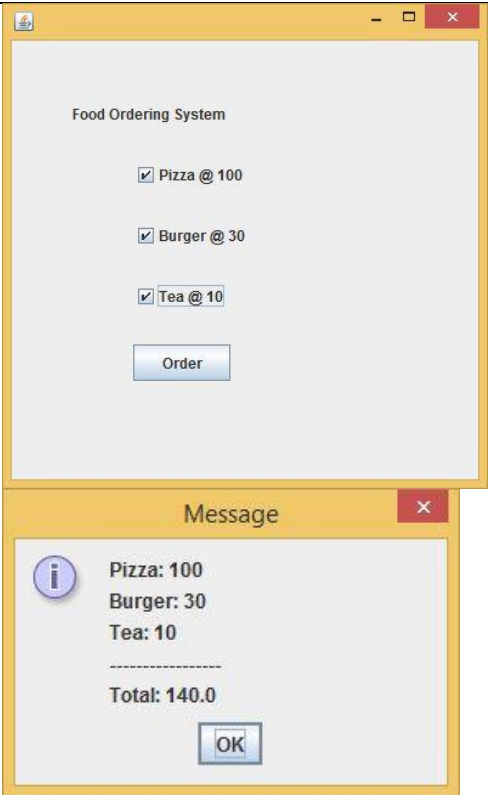
S.NO	PROGRAM NAME	PAGE NO	DATE	SIGN	REMARK
1	Write a program to print Hello JAVA.				
2	Write a program to print whatever value is given by user using command line arguments.				
3	Write a program print the sum of two numbers given by user using command line argument.				
4	Write a program print the sum of two numbers given by user using Scanner Class.				
5	Write a program in java for the following pattern <pre>           1         1 2 1       1 2 3 2 1     1 2 3 4 3 2 1 </pre>				
6	Write a program in java to input a number and check whether it is a Prime Number or not.				
7	Write a program in java to search an element in the given 10 elements.				
8	Write a program in java which contains 10 elements and sort it in ascending order.				
9	Write a program that will illustrate the concept of default constructor.				
10	Write a program that will illustrate the concept of parameterized constructor and object parameterized constructor.				
11	Write a program to illustrate the concept of this keyword.				
12	Write a program to demonstrate static and instance data members and methods.				
13	Write a Java program to implement the concept of importing classes from user defined package and creating packages				
14	Write a program which illustrates the concept of inheritance.				
15	Write a program to demonstrate the concept of method overloading and overriding.				
16	Write a Java Program to demonstrate use of nested class.				
17	Write a program which illustrates the concept of super keyword at variable and method level.				
18	Write a program which will calculate the sum of two integer and two floats values using an abstract method sum()				
19	Write a program to demonstrate use of implementing and extends interfaces.				
20	Write program to demonstrate use of final keyword.				

## Assignment-No. 2

S.NO	PROGRAM NAME	PAGE NO	DATE	SIGN	REMARK
1	Write a program to implement the concept of Exception Handling using predefined Exception.				
2	Write a program to implement the concept of Exception Handling using throw keyword.				
3	Write a program to write a string in a text file using IO package.				
4	Write a program to draw different shapes in an applet using graphic class.				
5	Write a program using Applet to display a message in the Applet.				
6	Write a java program which will create a window and an empty area within that window (extends Frame class)				
7	Write a Java Program to demonstrate Keyboard event				
8	Write a Java Program to demonstrate Mouse event.				
9	WAP to enter two numbers in two different text boxes. Add a button on the Applet. The program should print the sum of the two numbers of the Applet window.				

## Assignment-No. 3

S.NO	PROGRAM NAME	PAGE NO	DATE	SIGN	REMARK
1	Write a program to print text into Text Area using JText Area				
2	Create this frame Using JFrame 				
3	Write a program to display selected item from JComboBox in a label on click of Show button.				
4	Create a swing application to display a menu bar where each menu item should display a dialog box to show its working.				
5	Create this frame message will show according to radio button clicked. 				
6	Create this food ordering System.				

					
7	Write a program to implement the concept of threading by extending Thread Class				
8	Write a program to implement the concept of threading by implementing Runnable Interface				
9	Write a Java program that connects to a database using JDBC				
10.	WAP to enter the details of an employee in a window. The window should display a button which when clicked, adds the employee record in the database (My-SQL).				