



DEPARTMENT OF INFORMATION & COMMUNICATION TECHNOLOGY LABORATORY TASK 2 | SESSION 1 2025/2026

COURSE CODE: DFP50273	COURSE NAME : INTEGRATIVE PROGRAMMING AND TECHNOLOGIES
NAME:	REGISTRATION NO:
CLASS:	DATE:
CLO1 : Construct the elements of GUI from java package that integrates database for an interactive GUI application (P4, PLO 3)	
DURATION: 2 Hours	

Activity Outcome:

- 1. Mixes media elements to enhance the GUI appearance. (CLO1:P4)
- 2. GUI will add function process with JAVA EventHandler. (CLO1:P4)

Procedure: Follow the instructions below.

Question 1

i. Syarikat Buku EziReading want to develop a calculation book price system. You are required to build a user interface as Figure 1. You must use Swing components to build the user interface. You need to write Java Programs using the event handling for this task.
Users can enter the books quantity and price. The system will automatically count the extended price. If customers are member, a 15% discount is given to total price. The program will use the following member function:.

- Calculate to count the extended price. Member will get 15% discount.
- o Clear to reset all the input and output on the form.
- o Exit exit application

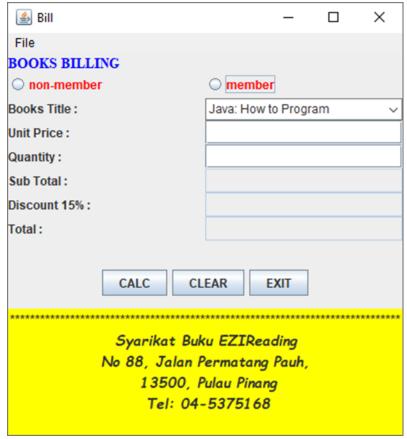
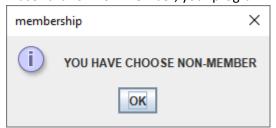


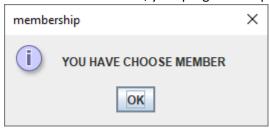
Figure1

Use JOptionPane class to create Message Dialog if user click on membership button.

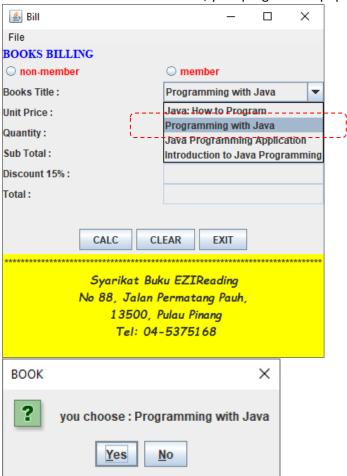
If user click on **non-member**, your program will pop up message dialog as below:



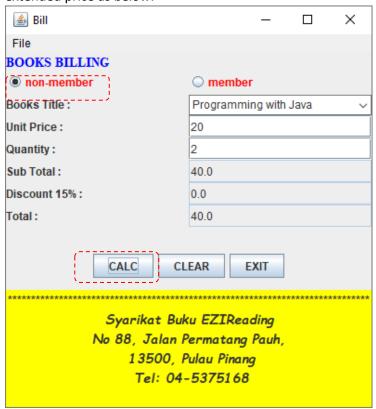
If user click on **member**, your program will pop up message dialog as below:



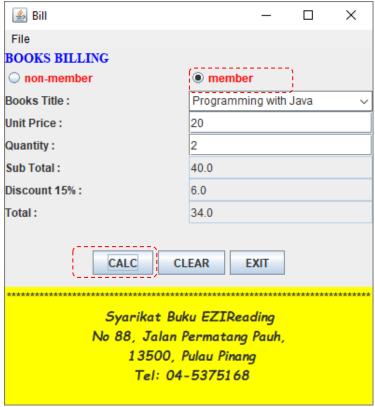
If user choose item at JComboBox, your program will pop up dialog as below:



If user is a **non-member** and click on button CALC, your program will automatically count the extended price as below:



If user is a **member** and click on button CALC, your program will automatically count the extended price as below:



ii. Observe the final output of the program. Screenshot the output and the program coding.