

COLLEGE OF COMPUTING AND INFORMATICS
CSEB5133 / CSEB534 JAVA PROGRAMMING
SEM 2 2024/2025

LAB 2: JAVA GUI (PART 1)

Objectives

To test students on their understanding of the Java GUI components.

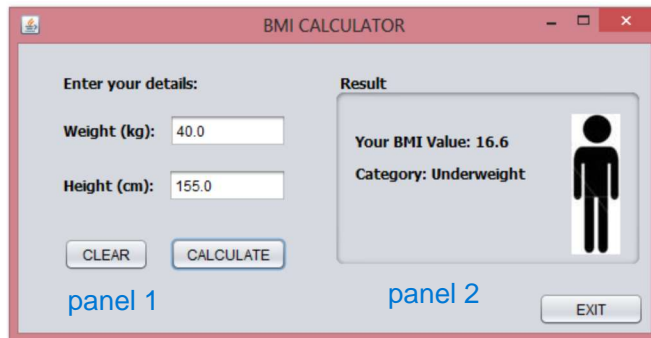
Lab Evaluation & Submission Instructions

1. This is an individual lab exercise.
2. **Your lab exercises will be evaluated and graded only during the lab session.** Once you receive your marks, submit your complete program to the Brighten platform.
3. Late submissions or changes after grading will not be considered.
4. Do attach this code segment in all files:

```
/*Subject code : CSEB5133 / CSEB534 Java Programming  
Section       : 01A or 01B  
Student name  : XXX  
Student ID no: XXX  
Question no   : XXX */
```

Question

Referring to Figure 1.0 (a) and (b), write a code segment to fulfill below requirement:



frame
Figure 1.0 (a)

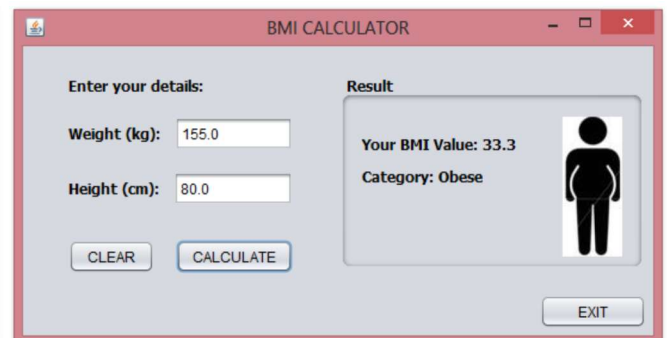


Figure 1.0 (b)

- The application shall display all the GUI components as illustrated in figure.
- The application shall calculate and display BMI value based on weight and height entered by user.
- The application shall identify and display the category status with icon (you may use any suitable icon) by referring to table below:

Category	BMI Value
Underweight	less than 18.5
Normal	between 18.5 to 24.9
Overweight	between 25 to 29.9
Obese	30 or greater

- By clicking the
 - "CLEAR" button, the application shall clear all texts in both weight and height textfields.
 - "CALCULATE" button, the application shall calculate and display information in "Result" panel.
 - "EXIT" button, the application shall be terminated.

[15 marks]

SELF-LAB REVISION EXERCISE

LEVEL: EASY

Question

Referring to **Figure 1** below, write a code segment to fulfill below requirement. The application shall display all the GUI interactable components as illustrated.

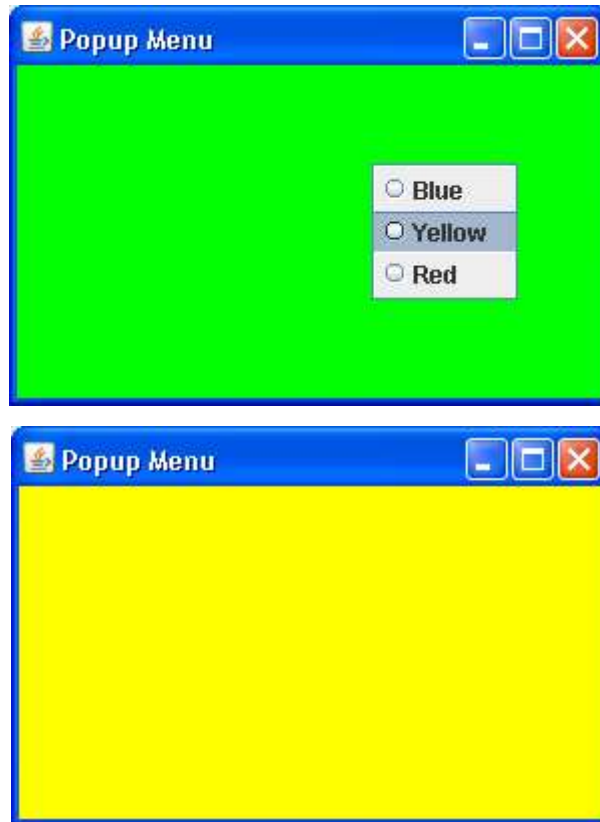


Figure 1: Popup menu

LEVEL: MODERATE

Question

Referring to **Figure 2** below, write a code segment to fulfill below requirement. The application shall display all the GUI interactable components as illustrated.

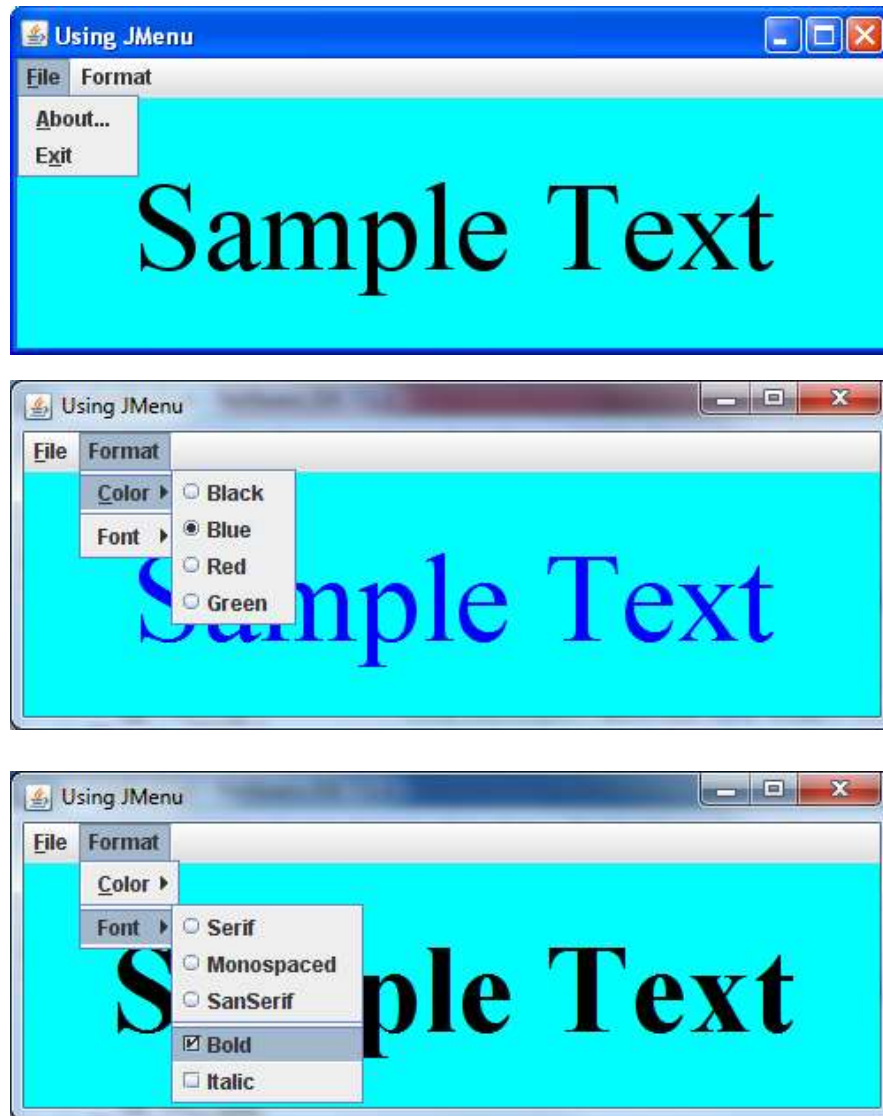


Figure 2: JMenu