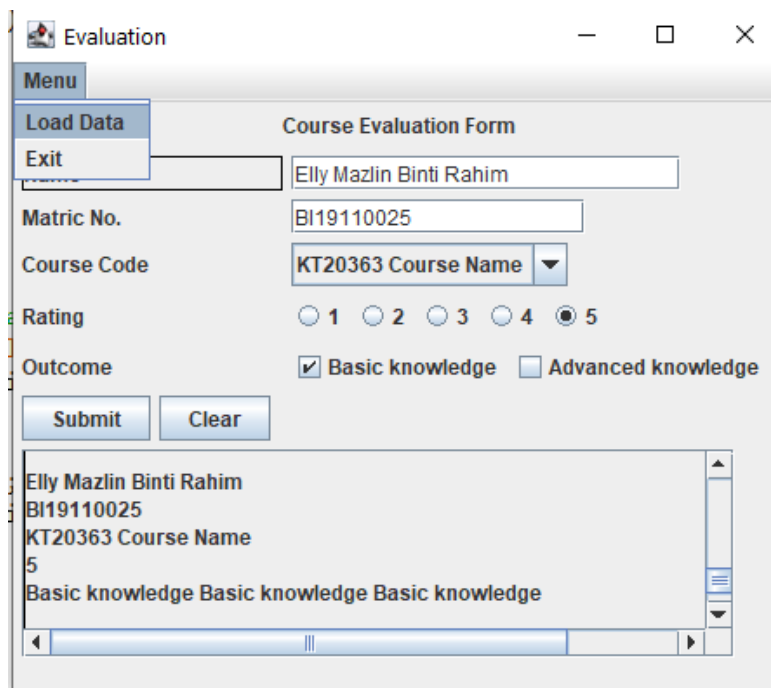


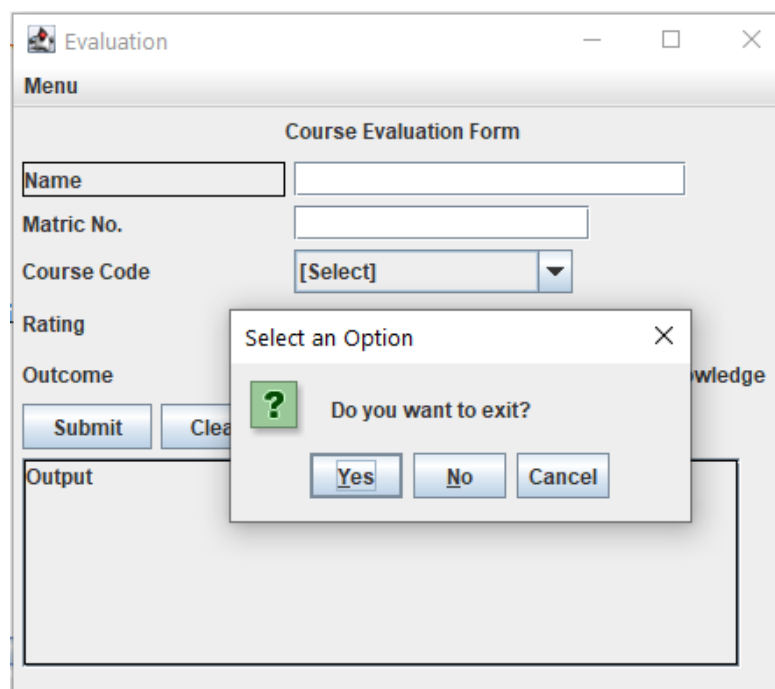
LAB ASSIGNMENT 4

1.



The screenshot shows a Java Swing window titled "Evaluation". It has a menu bar with "Menu", "Load Data", and "Exit". The "Load Data" menu is currently selected. Below the menu bar is a "Course Evaluation Form" with several input fields: "Name" (containing "Elly Mazlin Binti Rahim"), "Matric No." (containing "BI19110025"), "Course Code" (containing "KT20363 Course Name"), "Rating" (radio buttons for 1, 2, 3, 4, and 5, with 5 selected), and "Outcome" (checkboxes for "Basic knowledge" and "Advanced knowledge", with "Basic knowledge" checked). There are "Submit" and "Clear" buttons. At the bottom is a text area displaying the entered data: "Elly Mazlin Binti Rahim", "BI19110025", "KT20363 Course Name", "5", and "Basic knowledge Basic knowledge Basic knowledge".

Figure 1: Menu Bar at the top with menu 'Load Data' to read from file and view in the output text area.



This screenshot shows the same "Evaluation" application window, but with a "Select an Option" dialog box open in the foreground. The dialog box has a green question mark icon and the text "Do you want to exit?". It contains three buttons: "Yes", "No", and "Cancel". In the background, the "Evaluation" window is partially visible, showing the "Menu" bar and the "Course Evaluation Form" fields. The "Name" field is empty, "Matric No." is empty, "Course Code" is "[Select]", and "Rating" is empty. The "Outcome" section shows "Basic knowledge" checked. The "Submit" and "Clear" buttons are visible. The "Output" text area is also visible at the bottom.

Figure 2: Menu 'Exit' to show 'showConfirmDialog' and exit the application if user select 'yes' in the dialog.

2.

The screenshot shows a window titled 'Evaluation' with a 'Menu' bar. Below the menu is the 'Course Evaluation Form'. The form contains the following fields and controls:

- Name:** A text box containing 'Elly Mazlin Binti Rahim'.
- Matric No.:** A text box containing 'BI19110025'.
- Course Code:** A dropdown menu with '[Select]' as the current selection.
- Rating:** Five radio buttons labeled 1, 2, 3, 4, and 5. The radio button for '5' is selected.
- Outcome:** Two checkboxes. 'Basic knowledge' is checked, and 'Advanced knowledge' is unchecked.
- Buttons:** 'Submit' and 'Clear' buttons.
- Message Box:** A large text area below the form containing the message 'Course code is not selected.'

Figure 3: Input validation from all input to check if user empty field or selections when user click 'Submit' button.

3.

Cannot perform.

4.

```
//exception implementation
try {

    fr = new FileWriter(file, true);
    br = new BufferedWriter(fr);
    pr = new PrintWriter(br);
    pr.println(input);
} catch (IOException e) {
    lbl_output.setText(e.toString());
} finally {
    try {
        pr.close();
        br.close();
        fr.close();
    } catch (IOException e) {
        lbl_output.setText(e.toString());
    }
}
```

Figure 4: Implemented at least ONE (1) exception handling.