



UMS
UNIVERSITI MALAYSIA SABAH

INDIVIDUAL LAB ASSIGNMENT 7

OBJECT ORIENTED PROGRAMMING

SEMESTER 2 2019/2020

DUE DATE:	06/08/2020
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SECTION : 1
SUBJECT CODE : KK14203
SUBJECT : OBJECT ORIENTED PROGRAMMING
LECTURER : DR. SAMRY @ MOHD SHAMRIE SAININ

NO.	STUDENT NAME	MATRIC NO.
1.	NURUL ASYIKIN BINTI AMAT	BI19110094

The screenshot shows a Java Swing window titled "Evaluation". It has a menu bar with "Menu", "Load Data", and "Exit". The "Load Data" menu item is currently selected. Below the menu is a "Course Evaluation Form" with several input fields: "Name" (containing "Nurul Asyikin Amat"), "Matric No." (containing "BI19110094"), "Course Code" (a dropdown menu showing "KK14203 OOP"), "Rating" (radio buttons for 1, 2, 3, 4, and 5, with 5 selected), and "Outcome" (checkboxes for "Basic knowledge" and "Advanced knowledge", with "Advanced knowledge" checked). There are "Submit" and "Clear" buttons. At the bottom, a text area displays the loaded data: "Nurul Asyikin Amat, BI19110094, KK14203 OOP, 5, Advanced knowledge".

Figure 1: 'Load Data' to read from file and view in the output text area.

This screenshot shows the same "Evaluation" window, but now the "Exit" menu item is selected. A "Confirm" dialog box is open in the foreground, asking "Do you want to Exit?". The dialog has a green question mark icon and two buttons: "Yes" and "No". The "Yes" button is highlighted, indicating it is the selected option. The background form is partially obscured by the dialog box.

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

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

- Name:** A text input field.
- Matric No.:** A text input field.
- Course Code:** A dropdown menu with "[Select]" as the current value.
- Rating:** A set of radio buttons labeled 1, 2, 3, 4, and 5.
- Outcome:** Two checkboxes labeled "Basic knowledge" and "Advanced knowledge".
- Buttons:** "Submit" and "Clear" buttons.
- Output:** A text area for displaying results.

A "Message" dialog box is overlaid on the form, displaying an information icon and the text: "You haven't filled everything." with an "OK" button.

Figure 3: Input validation from all input.

The screenshot shows the same "Evaluation" window. The form fields are now filled with the following data:

- Name:** Nurul Asyikin Amat
- Matric No.:** BI19110094
- Course Code:** KK14203 OOP
- Rating:** The radio button for "5" is selected.
- Outcome:** The "Advanced knowledge" checkbox is checked, while "Basic knowledge" is unchecked.

The "Submit" button has been clicked. The "Output" area now displays the following text:

Thank you for your evaluation
Name: Nurul Asyikin Amat
Matric: BI19110094
Course: KK14203 OOP
Rating: 5

A "Message" dialog box is overlaid, displaying an information icon and the text: "You have successfully save the data" with an "OK" button.

Figure 4: Save data with message notification.

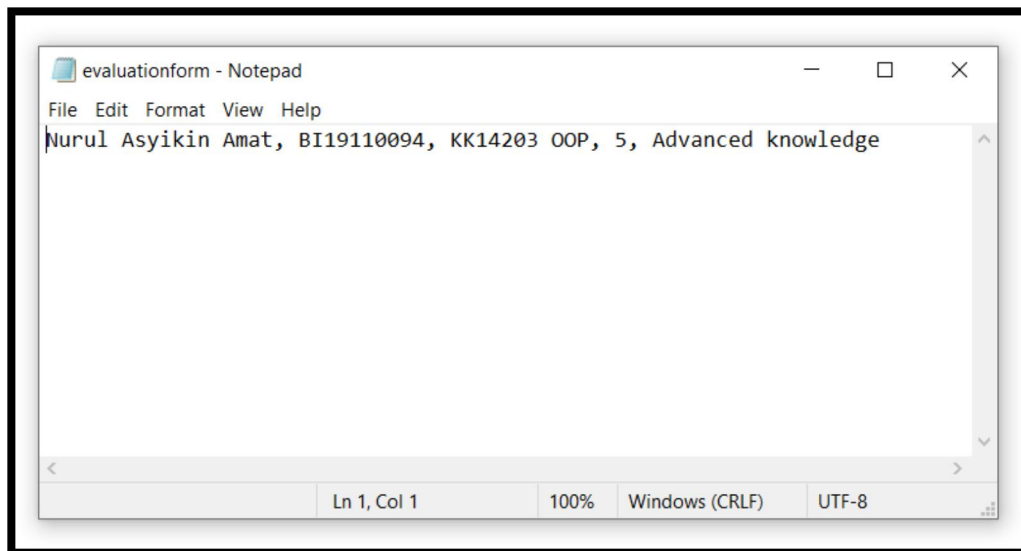


Figure 5: Data in figure 4 has been saved into text file.

```
//exception implementation
try {
    // to append to file, you need to initialize FileWriter using below constructor
    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 5: Exception Implementation