NAME: LEVANNYAH A/P RAJASEGARAN
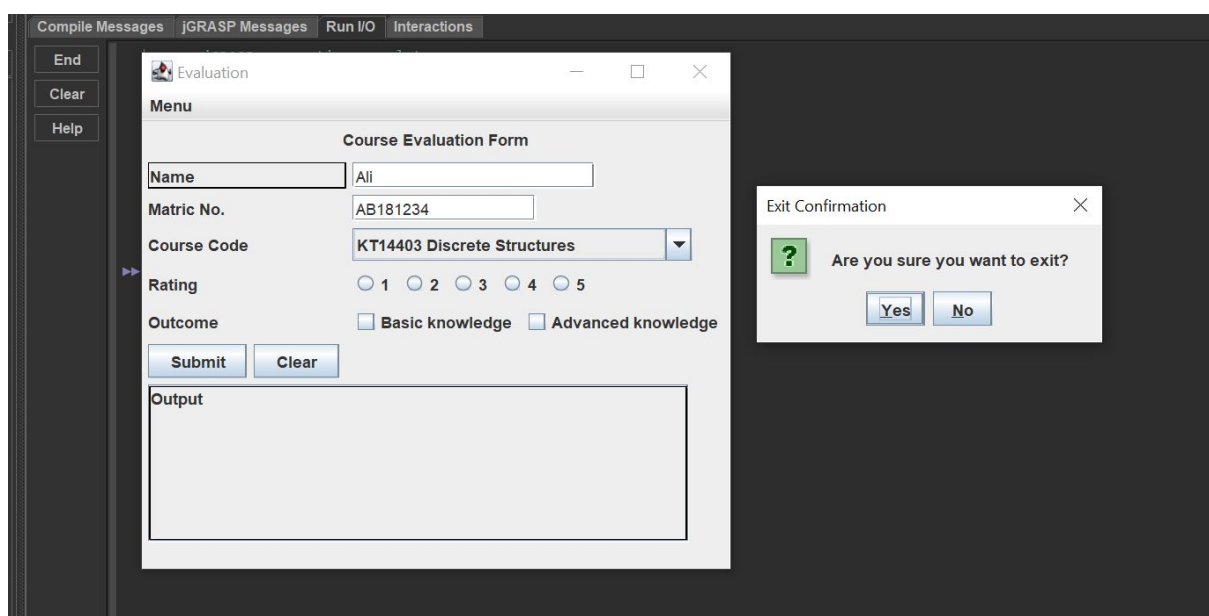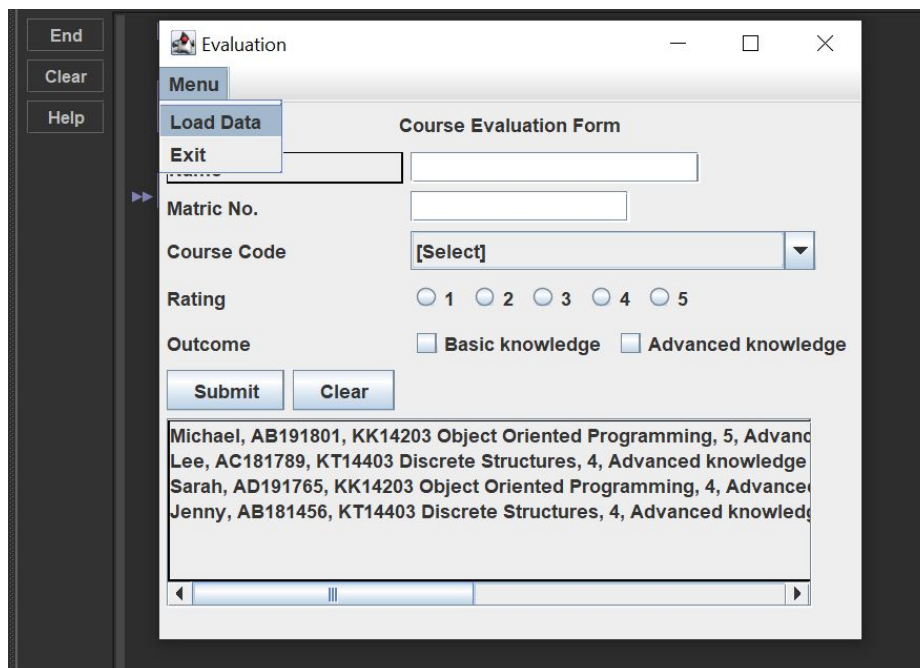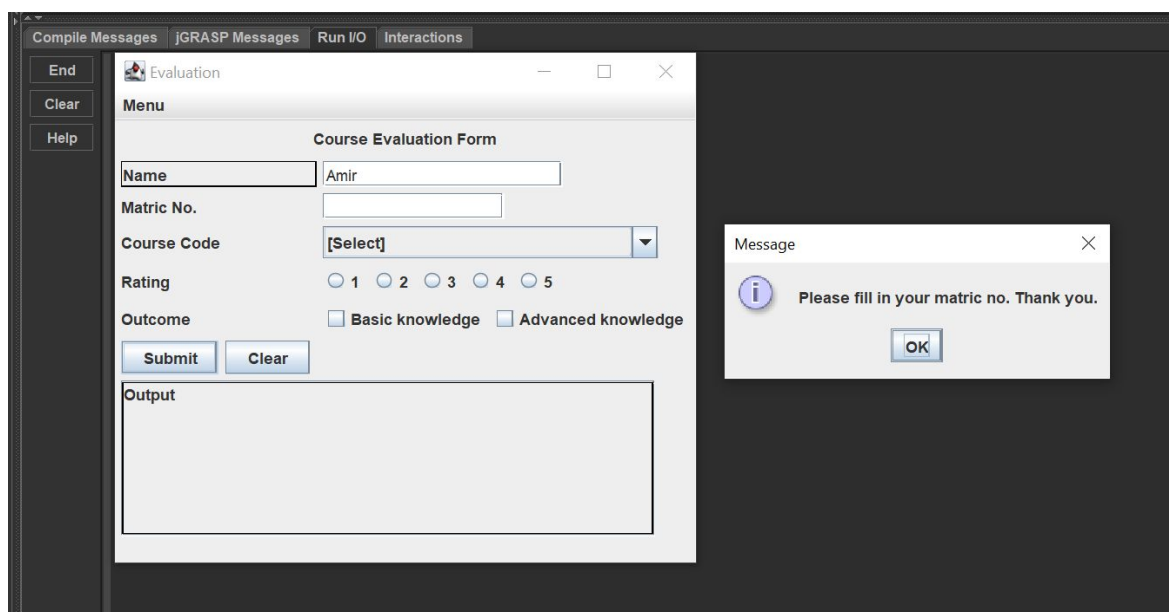**MATRIC NO.: BI19160337**
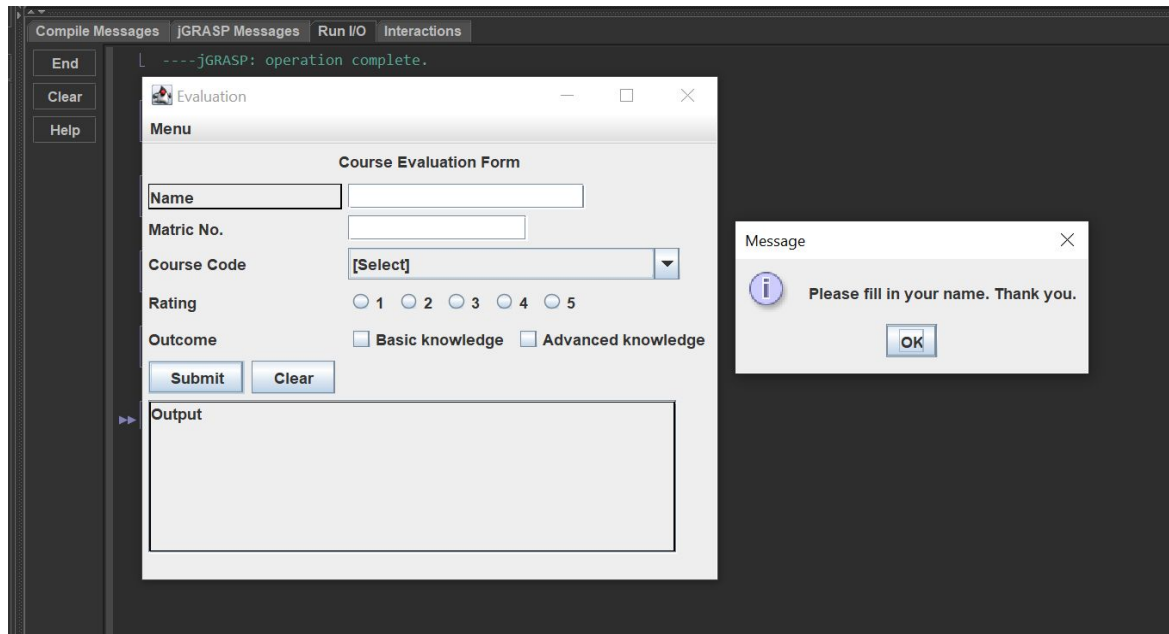**COURSE: KK14203 OBJECT ORIENTED PROGRAMMING (SECTION 1)**
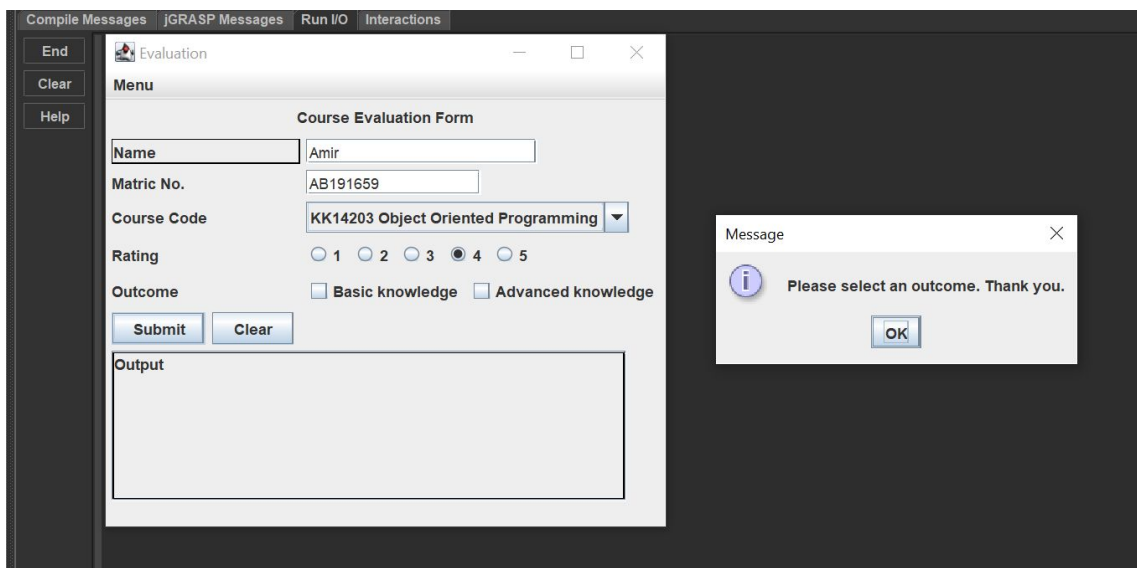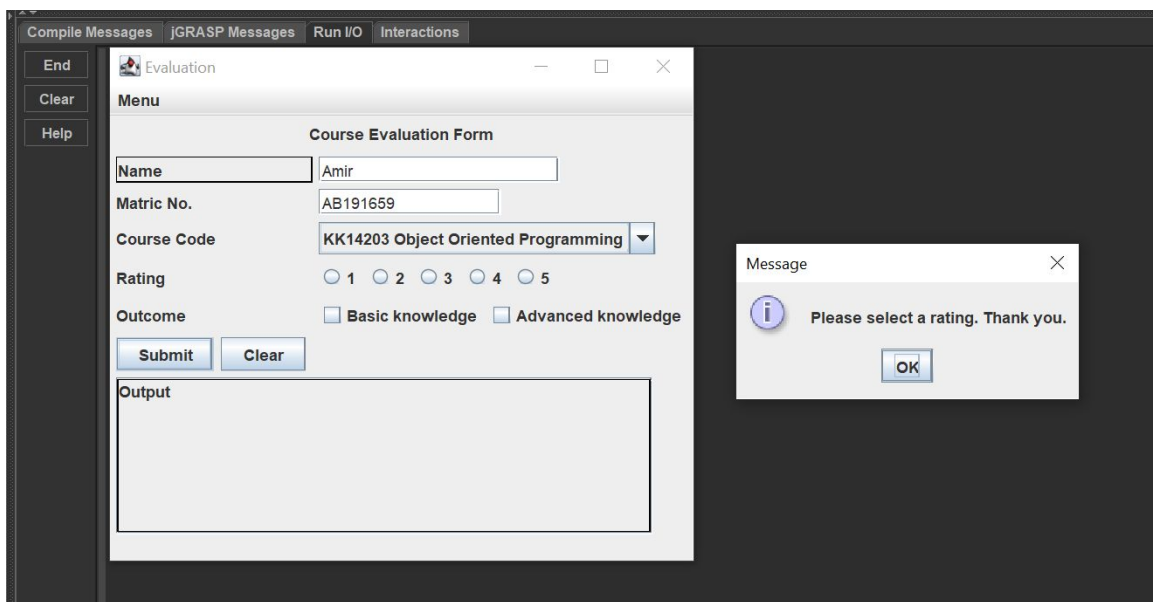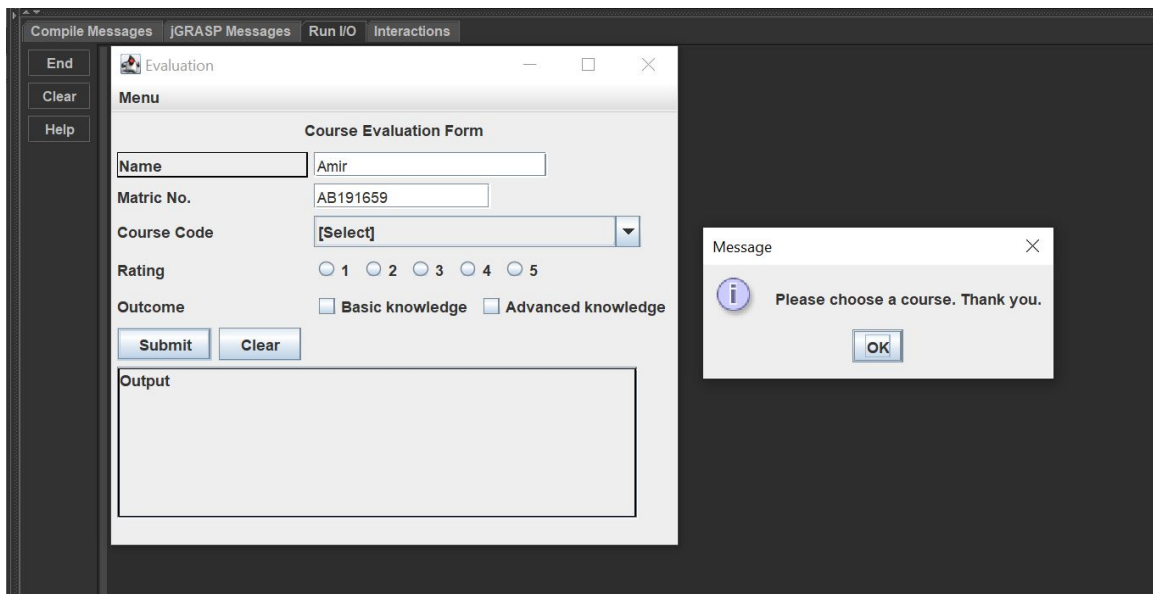**LECTURER: DR MOHD SHAMRIE SAININ**

LAB 7

1. Add Menu Bar at the top with menu 'Load Data' to read from file and view in the output textarea. Menu 'Exit' to show 'showConfirmDialog' and exit the application if user select 'yes' in the dialog.
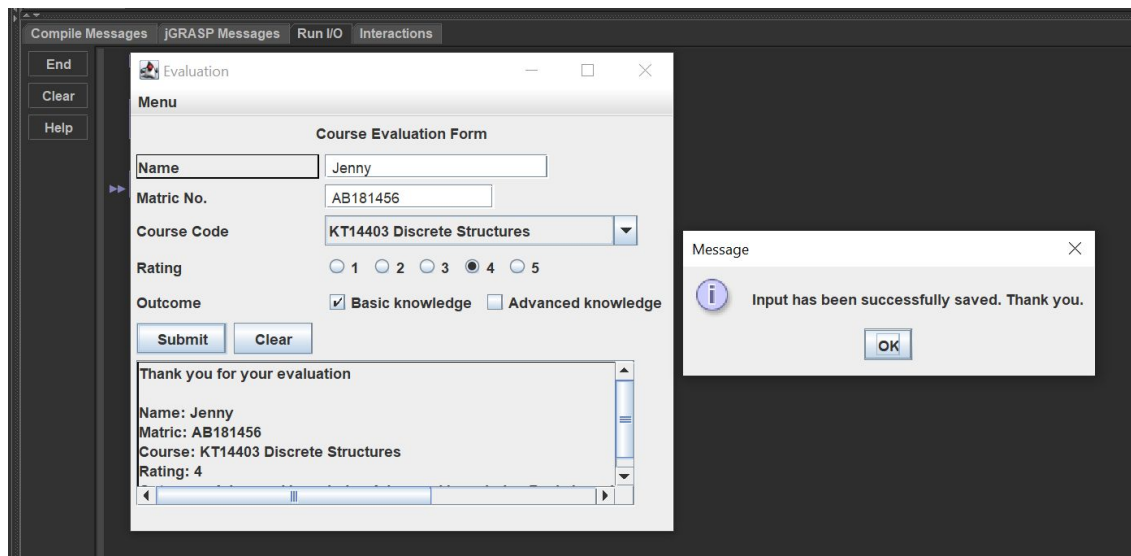
2. Input validation from all input to check if user empty field or selections when user click 'Submit' button.

End

Clear

Help

Evaluation   —   □   ✕

Menu

Course Evaluation Form

Name | Amir

Matric No. | AB191659

Course Code | [Select] ▼

Rating   ○ 1 ○ 2 ○ 3 ○ 4 ○ 5

Outcome   ☐ Basic knowledge   ☐ Advanced knowledge

Submit   Clear

Output

Message   ✕

(i)   Please choose a course. Thank you.

OK

End

Clear

Help

Evaluation   —   □   ✕

Menu

Course Evaluation Form

Name | Amir

Matric No. | AB191659

Course Code | KK14203 Object Oriented Programming ▼

Rating   ○ 1 ○ 2 ○ 3 ○ 4 ○ 5

Outcome   ☐ Basic knowledge   ☐ Advanced knowledge

Submit   Clear

Output

Message   ✕

(i)   Please select a rating. Thank you.

OK

End

Clear

Help

Evaluation   —   □   ✕

Menu

Course Evaluation Form

Name | Amir

Matric No. | AB191659

Course Code | KK14203 Object Oriented Programming ▼

Rating   ○ 1 ○ 2 ○ 3 ◉ 4 ○ 5

Outcome   ☐ Basic knowledge   ☐ Advanced knowledge

Submit   Clear

Output

Message   ✕

(i)   Please select an outcome. Thank you.

OK

3. Save (add) the data into a text file with dialog notification (e.g. showMessageDialog) whether input is successfully saved.

4. Implement at least ONE (1) exception handling (e.g. file IO and dealing with empty input field.

```java
    //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);
        JOptionPane.showMessageDialog(null, "Input has been successfully saved. Thank you.");
    } catch (IOException e) {
        lbl_output.setText(e.toString());
        JOptionPane.showMessageDialog(null, "Something went wrong. Please try again.");
    } finally {
        try {
            pr.close();
            br.close();
            fr.close();
        } catch (IOException e) {
            lbl_output.setText(e.toString());
        }
    }
}
```

```java
public void actionPerformed(ActionEvent e) {
    BufferedReader reader;
    try {
        reader = new BufferedReader(new FileReader(fp.filePath));
        String line = reader.readLine();
        String output="<html>";
        while (line != null) {
            output += line + "<br>";
            // read next line
            line = reader.readLine();
        }
        output += "<br>";
        fp.lbl_output.setText(output);
        reader.close();
    } catch (IOException io) {
        fp.lbl_output.setText(io.toString());
    }
}
}
```