

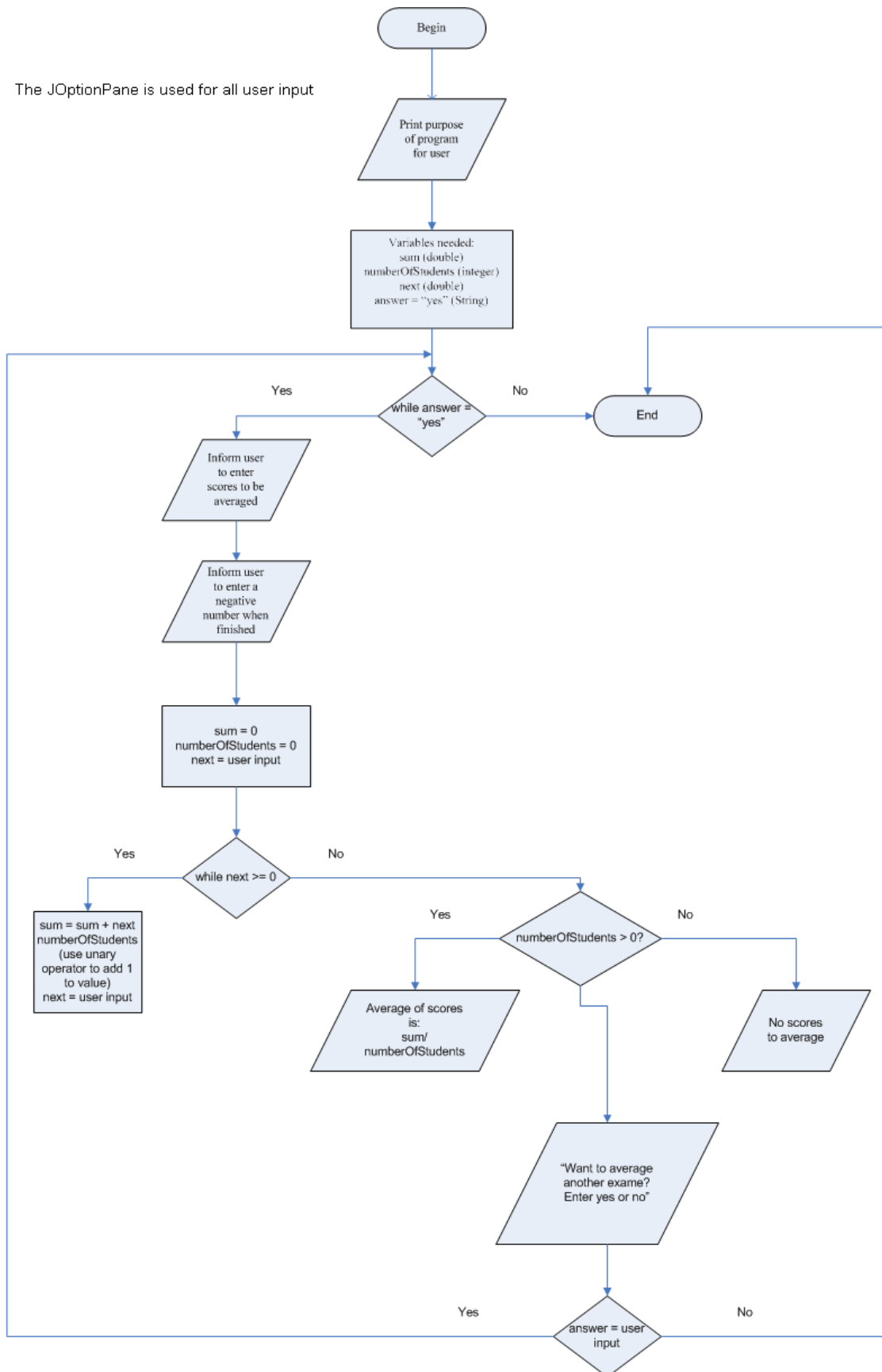
CIT 149: Java I

Chapter 3

Programming Assignment 2

In this program you will request the user enter between 2-4 numbers. All input and messages will take place using the `JOptionPane.showInputDialog()` and `JOptionPane.showMessageDialog()`. After the user enters the number of scores they wish to enter, a new input dialog box will appear asking them to enter the first number, two number, etc. Afterwards a message box will appear showing the user the average of the numbers they entered. This assignment also includes a switch statement and some minor calculations. The flowchart is:

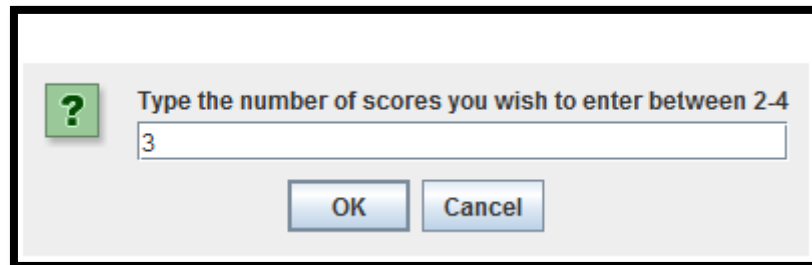
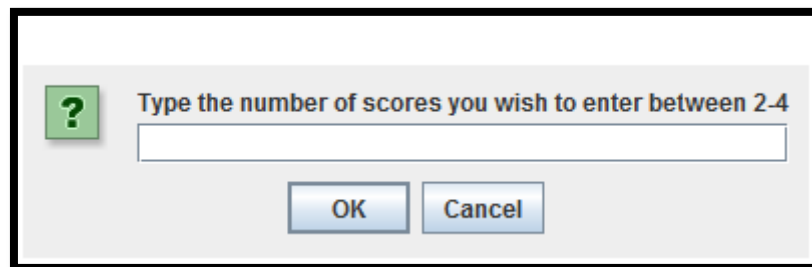
The JOptionPane is used for all user input



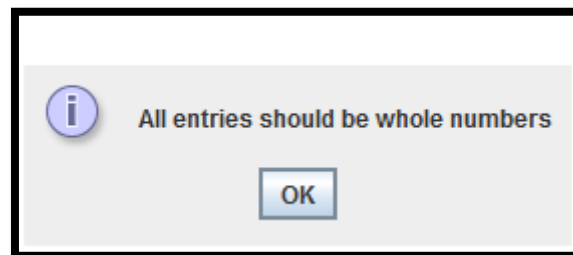
A great deal of the code in each case statement is similar in nature which is save you a great deal of time. You will request that the user:

- Enter either 2, 3, or 4 based on whether they wish to enter 2, 3, or 4 scores to be averaged, and assign the input to the choice variable.
- The switch statement will have cases of 2, 3, and 4.
- case 2
 - will ask the user to input score1 and then score2 and average the two numbers.
- case 3
 - will ask the user to input score1, then score2, and finally score3 and average the 3 numbers
- case 4
 - will ask the user to input four scores and average the 4 numbers
- Finally you will display the value of the average

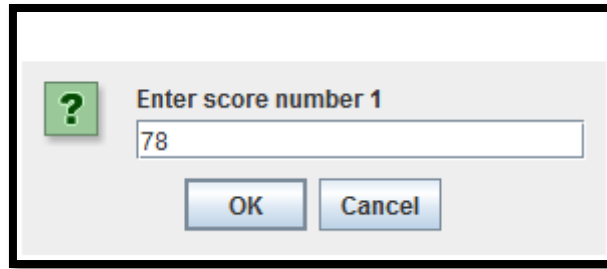
The following shows some screen shots of possible input information:



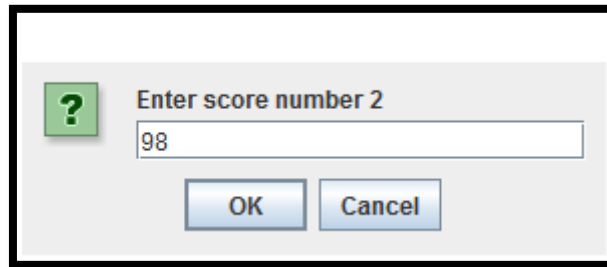
I entered 3 for the number of scores and hit OK.



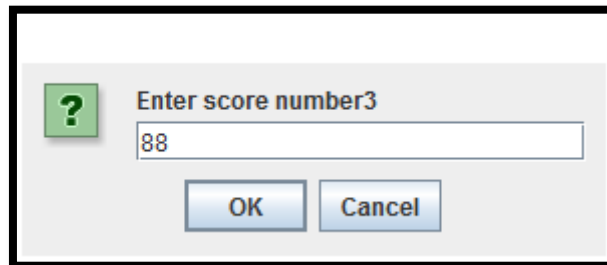
I receive a message that all numbers must to whole numbers

A dialog box with a green question mark icon. The title is "Enter score number 1". Below the title is a text input field containing the number "78". At the bottom are two buttons: "OK" and "Cancel".

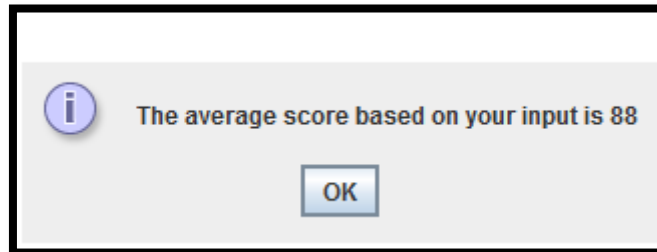
I'm requested to enter the first number, and I enter 78

A dialog box with a green question mark icon. The title is "Enter score number 2". Below the title is a text input field containing the number "98". At the bottom are two buttons: "OK" and "Cancel".

I'm requested to enter the second number, and I enter 98

A dialog box with a green question mark icon. The title is "Enter score number3". Below the title is a text input field containing the number "88". At the bottom are two buttons: "OK" and "Cancel".

I'm requested to enter the third number, and I enter 88

A dialog box with a purple information icon. The text inside says "The average score based on your input is 88". At the bottom is a single button: "OK".

The average of the entered numbers is displayed

You must use the switch statement in this assignment. You cannot use if/else statements to complete it.

Compress the source and class files into a single zip or rar file and submit to the appropriate drop box.