

IT 2650

Assignment #4

Due: Feb 22, 2017 11:59 pm

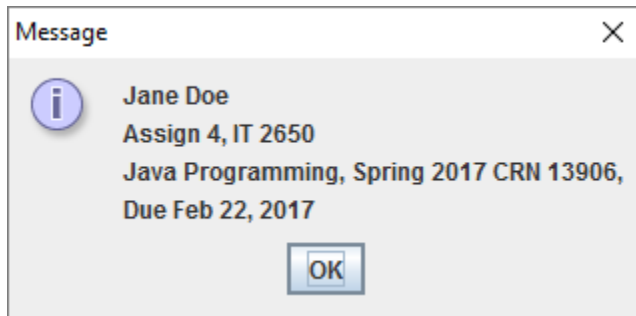
Worth 40 points

There are 2 activities to be completed in Assignment #4:

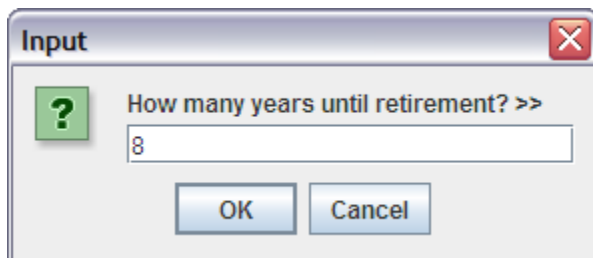
1. Read Chapter 6 and pages 359- 370 in Chapter 7 in the Farrell text. Complete the You-Do-It exercises in the chapter 6, saving your files in a folder named Chapter.06. Include the folder in a Zip file named with the first letter of your first name followed by you last name, followed by Assign4. For example if I were doing this assignment the Zip file would be named [jmaloneAssign4.zip](#).
2. Complete and submit Programming Exercise #10 b on page 349 of The Farrell text. Instead of using 5% as instructed in the specifications, prompt the user for the interest rate. Submit only one program named RetirementGoal2.java that has the logic of both parts a and b. **Do not put all the logic of this program in a main method.** The output from your program will look something like this:

Sample output follows:

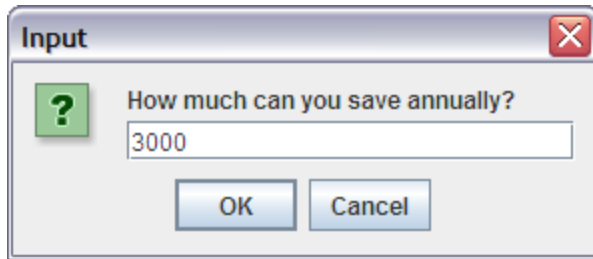
The program starts by displaying the author's information. The user clicks OK



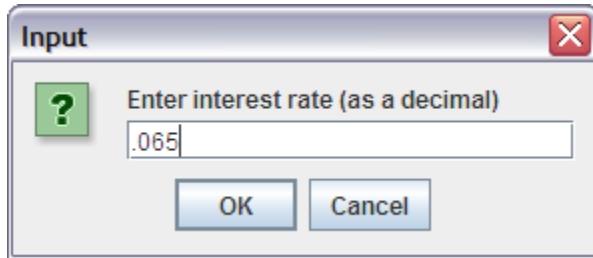
The user enters the number of years until retirement and clicks on OK.



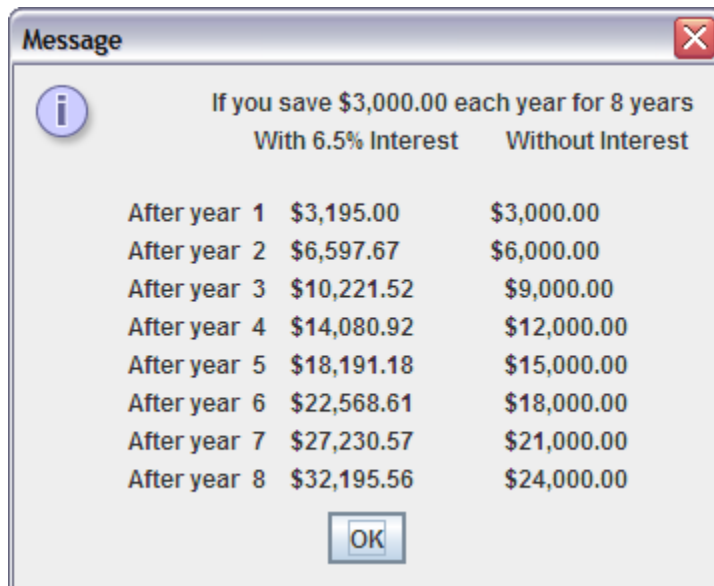
The user enters the annual savings and clicks OK.



The user enters the interest rate and clicks OK.



A message box appears displaying the yearly investment amount, number of years and the total investment for each year with interest and without interest based on the data entered.



In addition to the requirements stated in the Exercise you should do the following:

- Read about the DecimalFormat (in java.text package) class in the Java API documentation. Also discussed in Appendix C of the text.

<http://java.sun.com/javase/6/docs/api/>

Also read pages 359- 370 in Chapter 7 in the Farrell text on Declaring and Comparing String Objects. Use the methods of the DecimalFormat class to format the output of the amount of money earned on the investment. The amounts should always display 2 decimal places (see above example of output).

- Your output should first state your name, the assignment number, IT 2650 Java Programming, CRN 13906, the due date, and Spring 2017. The same information should be commented at the beginning of the source files for Programming Exercise 10b. Also, use comments throughout your program where necessary (i.e. to describe logic, etc.).
- The source file becomes an important part of the documentation for any program solution. Make sure you follow indentation guidelines as demonstrated in the text. The source files should be clear and easy to read. Always comment your name the assignment number, IT 2650 Java Programming, CRN 13906, the due date, and Spring 2017 at the top of your source files. You should always comment the purpose of a class or method at the beginning of the class or method. Save all the source files from Exercise 10b in a folder named Assign4Exer10b. Include this folder in the Zip file referred to in part 1 above.
- Send the zip file to me via an attachment to email (make sure you include IT 2650 in the subject area of the email) before 11:59 pm of the Due date. **Late assignments will not be graded and will receive zero points.**

Failure to follow instructions for this assignment will result in deduction of points.

IF you have any questions about the requirements of this assignment, contact the instructor by email John.Malone@Tri-c.edu or phone 216-987-2458.