

Java Fred's File Challenge

Time required: 90 minutes

Please read the directions carefully before beginning the assignment.

- Comment your code as shown in the tutorials and other code examples.
- Follow all directions carefully and accurately.
- Think of the directions as minimum requirements.

Pseudocode

1. Write TODO or pseudocode for the exercise

Minimum Requirements

Create a Java program named **FredsFileChallenge.java**

NOTE: In the tutorial, we hard coded the data. In this challenge we get the data from the user into a variable, then write that variable to file.

- Write an application that loops and accepts a line of text or a number from the user until they enter a sentinel value to indicate they are done.
- Save each line of input entered by the user to the file after the user enters the text.
- After the user is done entering input, read and display the file. If you did numbers, you might want to do a calculation with the numbers.
- Use a separate method to save and read the file.

Comparing Strings in Java

If you are using a String sentinel value for your while loop, you must use the **.equals()** or **.equalsIgnoreCase()** method to compare strings. If you computer strings directly using **==**, you are comparing memory addresses.

```
String s1 = "Sachin";
String s2 = "SACHIN";

System.out.println(s1.equals(s2)); //false
System.out.println(s1.equalsIgnoreCase(s2)); //true
```

Example run:

```
----- Fred's File Challenge -----  
Enter lines of text or numbers ('done' to finish):  
Bill  
Loring  
1234  
done  
Input saved to file successfully.  
  
Contents of user_input.txt:  
Bill  
Loring  
1234
```

Assignment Submission

1. Attach the pseudocode or TODO.
2. Attach the program files.
3. Attach screenshots showing the successful operation of the program.
4. Submit in Blackboard.