**IC3**

**Summer 2018**

**ITEC 2150**

1. ~~Create a class that allows the user to select a file and output the contents of the file to the console. Recommend using a text file to display, java files are text files.~~ ~~You may want to put this code in a method to allow you to complete the remainder of this assignment without overwriting your code.~~
   1. ~~You should ask the user to enter the full path to your file to make certain you are processing the correct file.~~
   2. ~~You need to create a separate Java class to read the file. You should read the file and pass it in from the class containing the main method.~~
2. ~~Modify your code/add a method to display the contents of the file in reverse order. You do not need to reverse the characters on each line but simply output the lines of the file in reverse order. Make this modification in the class containing the main method. All input/output should be in this class.~~ 
   1. ~~Hint: read the content of the file into an ArrayList and then traverse the ArrayList.~~
3. ~~Finally, copy the contents of the file to another file. You will need to loop through the file and write each line to a new file.~~ 
   1. ~~You should create another class to handle the file reading and writing.~~
   2. ~~A friendly user interface would allow the user to store it in the same directory as the input file. This is an ideal candidate for a method.~~
4. Create a new exception, FileMissingException which will extend RuntimeException. You will need to create a separate class to hold your new exception.
   1. Modify your code to catch the FileNotFoundException and throw a FileMissingException. In your main() catch the FileMissingException and print the message.from the exception.