* What criteria did you use to decompose the first design? **I used a list to hold the strings in a file, use an array to convert the lines to a string, and passed the array to my stringbuilder object to then append the lines by a string node and deleting the first char at the end of the array list.**
* What criteria did you use to decompose the second design? **Tested the same class with exception of utilizing both the input and output interfaces.**
* Which design is more resilient to change? And why? **The first design tests and compiles correctly according to the initial design.**
* What would have to change in the first design/implementation if the file were changed out for a database? **I would change how the data is inserted to move the information stored in the file to a database.**
* What would have to change in the second design/implementation if the file were changed out for a database? **I would not change anything**
* What would have to change in the first vs second design/implementation if we wanted to use a graphical user interface instead of the traditional console UI (System.out)? **Have the user enter information into a form and then process that information and extract it to a file, then export the data.**
* Identify another change that may happen in the future, and how does design 1 compare to design 2 when it comes to impact of the change? **Using a GUI to not only import or export the data from the file but also have buttons that circular shift the data as the design stated.**
* Which design/implementation is easier to understand? **Design 1**
* Which design/implementation is better performing? **Design 1**
* How does the principle of information hiding relate to all of this? **The design was able to show digital knowledge through basic study of computer software, operating systems, networking, online, web publishing, spreadsheets and database functionalities.**