CSCI291 Lab 4

Question 1: File Processing

Design an algorithm and code it in C to read the contents of text file containing an unknown number of float values, some of which got corrupted into alphabetical characters. This corruption can occur at the fist value, the last value or anywhere in between.

The algorithm solution should generate a new text file with the valid float values and display on the screen the number of invalid float values found in the source file. You can use the attached file (data.txt) for testing; however, your solution should NOT be hard coded for this particular file.

Your code should be modular and include C statements to verify:

- The access request to the physical file was successful.
- The end of file was reached.
- No hardware failure occurred during files processing.

Hint: consider using **fseek** function.

What to submit:

- Description of the algorithm solution using flowchart or pseudo code
- Code concisely commented and indented.
- Evidence of testing

Question 2: To be posted soon.

Question 3: To be posted soon.