Assignment 1

Due Date: February 14, 2022 at 7:30 PM

Overview

This assignment will be worth **3.5%** of your total grade. The goal in part 1 is to demonstrate you knowledge of File I/O and JSON to parse text files. Part 2 is designed to utilize the asynchronous properties of JavaScript.
Important: If you are on a Windows machine, do not take into account /r for anything, you will lose points if you do.

Specifications

For this assignment, you will need to understand File I/O and how to use an asynchronous function in JavaScript.

Part 1: File I/O & JSON

Create a file called toJSON that reads a .txt file from the command line. This file should always contain **at least** three lines:

- line 1: is a first name (1 word)

- line 2: is a last name (1 word)

- line 3: is a location (1 word)

- lines 4-n: can be string(s) (n number of word(s))

Your job is to take this data and out and return a clean JSON object in the following format: fname: line1_fname, lname: line2_lname, location: line_3, other: lines_4-lines_n The only edge cases that need to be considered are:

- If there are not at least three lines in the file, print an error message and do no further processing on the file

- Only one arg is read in through the command line which is the filename. If more than one arg is provided, print an error message and do no further processing on the file

- If there are only three lines, other will contain "N/A"

```
csmirani:Desktop jirani$ node toJSON.js testfile.txt
{
   fname: 'Jal',
   lname: 'Irani',
   location: 'Towson',
   other: 'Teaches CS at TU Loves walks in the park'
}
```

```
Jal
Irani
Towson
Teaches CS at TU
Loves walks in the park
```

Part 2: to Array

Create a file called toArray.js that reads n strings from the command line, adds
them to an array, and returns them in order that they were entered. You must
use a forEach loop for this file. The output will contain the size of the array
and the array itself.

```
csmirani:Desktop jirani$ node toArray.js 2 3 4 5 6
The length of the array is: 5
The array contains: 2,3,4,5,6
csmirani:Desktop jirani$ node toArray.js
The length of the array is: 0
The array contains: nothing
```

Submission

Please submit the following on Blackboard:

- toJSON.js

- toArray.js