Frontier Research

[CANDIDATE ASSESSMENT]

ALLOCATED TIME: 2.5 hours

The time given above is the suggested amount of time for this test. If you'd prefer to do this test in more relaxed conditions, you're allowed to take more time (up to a maximum of 24 hours) to complete this test – but do let us know if you need that extension.

What's with the extension? *We believe that most tests are not indicative of real work, as they are heavily time constrained. We provide the option of extending the time to simulate more realistic conditions and give you the space to get creative.*

INSTRUCTIONS:

Along with this document, we have sent you 2 CSV files, containing data on people and apps.

Each row of the CSV holds data on a single item (i.e. a person/an app).

REQUIREMENTS

Your task is to:

- Parse the data in the CSV
- Create a simple command line application (using Node.js) to filter and select a random item from the CSV.
    - You are required to dynamically extract the headers of the CSV
- Finally, once you have a selected item, you need to output the value from the first column of the CSV to the console.

*** Kindly note that the same code base needs to work with both CSVs without needing to edit it.**

*** Your code will be tested with different data to what was provided, so make sure it is as dynamic as possible.**

See the screenshot below for an example of the applications usage (this example was created using the data in the CSV on people):

```
C:\Users\User\Desktop\test>node index.js
? Filter data on?
 Name[0] ,gender[1] ,Company[2] ,Job[3]  1
? Pick a value to filter
 Female[0] ,Male[1]  0
Latrina Gerrie
```