## Name for the Problem:

Rendering the Org chart

## Description of the Problem:

Read in list of individuals and their managers (an org chart) from a CSV, and output a file containing the hierarchy in JSON format. Sound easy? Well it’s not hard but here’s an extra little kicker: Your algorithm must be better than O(n^2). Meaning no nested loops.

To make things a bit more fun, once you can output the contacts.json file, fire up the node.js app in the folder and go to <http://localhost:3000> to see it rendered with d3!

Files can be downloaded from http://github.com/

## Input

A CSV file containing a person’s name together with their manager’s name.

## Output

A JSON file containing the node names with child nodes as a tree structure.

## Example

Input: “Doe, John”, “Anderson, Sally”

Output: {

“name”: “Anderson, Sally”,

“children”: [

{

“name”: ”Doe, John”,

“children”: []

}

]

}

## Set of inputs with corresponding outputs to test participant’s code:

|  |  |
| --- | --- |
| INPUT | OUTPUT |
|  |  |
|  |  |
|  |  |