

README

Overview

This script is used for the technical challenge: JSON Boards CLI. Users could use the command line to combine JSON files together by inputting the folder route which includes all of the JSON files.

Environment Requirement

This project uses Python, it doesn't use any third parties libraries, but Python 3.9 will be the best option.

- Python 3.9

I recommend using Anaconda Command Prompt

```
conda create -n json_boards_cli python=3.9
conda activate json_boards_cli
```

How to Run

Run cmd in **ARM_Technical_Challenge** folder, execute the following command:

```
python main.py -r xxx
// "xxx" is the folder route which includes all the JSON files, like "D:\ARM_Technical_Challenge\example-boards"
```

The output file will be generated in **ARM_Technical_Challenge** named **boards.py**

To Do

Required to Do (All Done)

- Combine all board lists inside the JSON files into a single JSON output
- Order the board list alphabetically first by `vendor`, and then by `name`
- ▼ Include metadata in the JSON output under a `_metadata` object including:
 - The total number of unique vendors
 - The total number of boards
- Output the resultant JSON