## Submission

Code should be uploaded to your source control platform of choice (Gitlab/Github/Bitbucket) and made available to the hiring team. Follow the proper source control pipeline showing branching/commit/push/merge etc. Be prepared to discuss your thought process during the interview. Feel free to provide any other documentation you feel would be helpful.

## Data Splitting and Grouping

Create a python solution to sort and manipulate the supplied data file csv according to the following criteria.

1. Avoid using the Pandas Python Library.
2. Use an object-oriented approach.
3. Data should be converted to JSON using SEQUENCE\_ID as a key.
4. Data should be split into groups based on their **GROUP** identifiers.
5. Data should be further split into groups based on **COUNTRY** identifiers.
6. Records that have matching data for **STREET**, **CITY**, **ZIP** and **COUNTRY** should be grouped into the same **SEQUENCE\_ID**. Using the lowest **SEQUENCE\_ID** in the group. Create a new data point retaining the original **SEQUENCE\_ID** of any grouped sub-entries.
7. Once processing is finished the **SEQUENCE\_ID** identifiers in each group should be sorted into ascending order.
8. JSON groups should be output to files following the naming convention of **GROUP\_COUNTRY.json** based on the data it contains.
   1. EX. A\_Japan.json
9. Output entire JSON structure to an output file named final.json
10. Place output data within a **results** folder within the repository.