**Address-Book Lookup Application**

This is a dockerised implementation of a simple address book lookup of data from flat files and RDBMS data sources (current implementation only supports SQLite but easily extensible to other sources as well). The implementation is done in python 3.7.

The execution starts with the main.py file which implements the search\_address() method.

It takes search string as raw input and returns a JSON string with all the matching queries.

It also prints the time taken for the execution to complete.

The search is implemented using pandas and sqlalchemy. It is extensible to other RDBMS sources simply by modifying the connection string parameter in the .env file. In case dbsearch parameter is on, the results returned are combined results of both db and flat file. Otherwise it only returns the flat file data.