

The PubMed Research Paper Fetcher is a command-line tool that retrieves research papers from the PubMed API based on a user-specified query. It specifically identifies papers where at least one author is affiliated with a pharmaceutical or biotech company and outputs the results as a CSV file.

Starting with Fetching Data (api.py) – The script makes requests to the PubMed API, retrieves research paper IDs, and fetches detailed XML data.

Parsing Data (parser.py) – It extracts key details like title, authors, affiliations, publication date, and identifies authors affiliated with pharmaceutical or biotech companies.

Saving & Displaying Results (writer.py) – The parsed data is structured using pandas, allowing users to either print the results to the console or save them as a CSV file.

Command-Line Interface (cli.py) – Users can run the program using different CLI options like --file to save results, --debug for debugging, and --help for usage instructions.

To run the project will run the command to print the output in .csv file:

```
-> poetry run get-papers-list "cancer therapy" --file results.csv
```

To run the project will run the command to print on command line:

```
-> poetry run get-papers-list "cancer therapy"
```