# Almeera Scraper Documentation

#### Overview

The **Almeera Scraper** class is a web scraper designed to extract product details from the Almeera online store's water category. The code performs the following key operations:

- 1. Fetches the main page for the water category.
- 2. Identifies and extracts the list of subcategories.
- 3. Scrapes information about products within each subcategory.
- 4. Saves the scraped product data in a JSON file.
- 5. Downloads product images.

### Requirements

- Python 3.x
- BeautifulSoup4
- requests
- joblib
- tqdm
- json
- os
- multiprocessing

Install with pip install beautifulsoup4 requests joblib tqdm

# **Key Methods**

- 1. url\_to\_soup\_obj(url): Fetches and parses a web page into a BeautifulSoup object.
- 2. **download\_image(image\_url, image\_path)**: Downloads an image from a given URL to a local path.
- 3. **sub\_categorise\_extractor(sub\_category\_url, category\_name)**: Extracts subcategory and product information, returning a dictionary.
- 4. **process\_category(category\_element)**: Processes a category element, extracting category, subcategory, and product data, and saves it as a JSON file.
- 5. **main()**: Initiates the scraping process, fetching and processing the main page, extracting category and subcategory details, using multi-processing, and saving results in JSON files.

# Usage

- 1. Create an instance of the **AlmeeraScrapper** class with the main page URL and output paths: class\_obj = AlmeeraScrapper(main\_page\_url, output\_jsons\_path, output\_images\_path)
- Start the scraping process by calling the main() method: class\_obj.main()

This will initiate the web scraping process, extracting category, subcategory, and product data from the Almeera online store and saving the results in JSON files.