Agenda

D what in Web-Scraping

9 Understanding Website structure

9 request module

9 beautiful Soup for Scraping

9 Fixing the format

what is Web-scraping

Do To extract data gran internet
using Automoded Script

Ex: DE commerce (Classification)

Do Black-overflow (caing LLM)

Do Oyora (OnA)

O Is it legal? D Non commercial yse-case Degal (GDPR) Issues when scraping: s Legal Laws D Website requiring Login -> Pass althornication as parameter -> Selenium Dook out for Tobats. +x+° or ToS A website in written usingervice can pe ignestibled reind following * Tag # °, Q * Closs

Understanding Website stoyeture

-text markup Language <+a98> ssp/2 * o Used for stylin 9 5ame Class 1 d s 1,410 idz < div>

Problem Statement:

- We'll be scraping this website http://books.toscrape.com/index.html for collecting book data like, name of book, genre, price, reviews, etc.
- · Before scraping, it is recommended to check the website and understand it's structure, what data it has.
- As per the current task, we have around 1000 books, distributed on multiple pages. We will scrape the data of all of books.

Steps to Scrape:

- O Send sequest to http://books.toscrape.com/
- 2) Scroll through all the search
- 3) For Every search page, scrape the Url of all the Book present on the page:
 - O For each Look, visit the Book's page and Extract information From Table
 - De Parse and store table into Dictionary
 - 3) Post process to convert info into right Data-type.

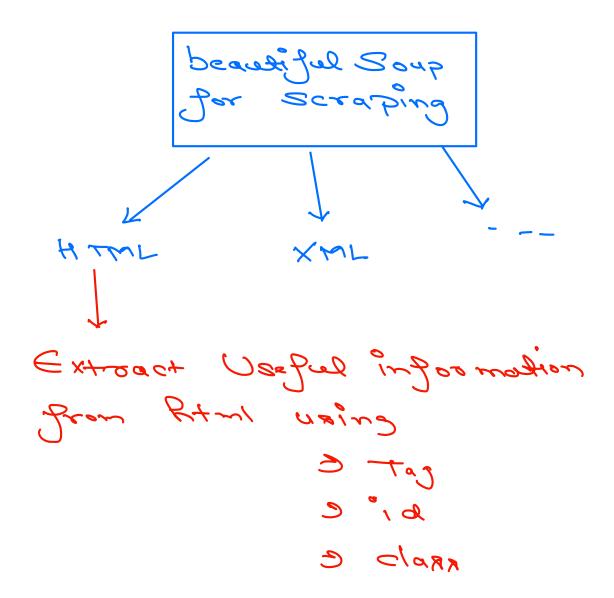
request module

Python module that exables interacting with web-services and apies directly interacting; HILL weepods for 9 delete ex.c. get Coptional Parany 2 Auth 5 Readers

Cinformation)
(data)

Information about some common staus codes:

- 1. 200 OK: The request has been successfully processed, and the server returns the requested content. \
- 2. **404 Not Found**: The requested resource or page could not be found on the server.
- 3. **403 Forbidden**: Access to the requested resource is forbidden or not allowed for the client.
- 4. 500 Internal Server Error: The server encountered an unexpected error while processing the request.
- 5. **302 Found (or 301 Moved Permanently)**: The requested resource has been temporarily (or permanently) moved to a different URL, and the client should follow the redirection.



```
{'name': 'Tipping the Velvet',
  'UPC': '90fa61229261140a',
  'Product Type': 'Books',
  'Price (excl. tax)': 'f53.74',
  'Price (incl. tax)': 'f53.74',
  'Tax': 'f0.00',
  'Availability': 'In stock (20 available)',
  'Number of reviews': '0',
  'url': 'http://books.toscrape.com/catalogue

Stock
```