



Report Title

ASSIGNMENT PROMPT: RETAIL STORE LOCATION SCRAPER

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INTRODUCTION

This Python script is written to extract data from the Spencers retail brand website in India. The script utilized the “requests” and “BeautifulSoup” libraries to extract the store information such as store name, address, postal code, locality, region, contact information, and working hours.

APPROACH

The script used a loop to create a list of full addresses by concatenating the individual address components extracted from the webpage. The script then used an API from Trueway Geocoding to extract the latitude and longitude coordinates of each store address. The Trueway Geocoding API requires an API key and uses the RapidAPI platform for authentication.

Finally, the script created a list of dictionaries to store the data and wrote it into a CSV file using the “csv” library.

- **Challenges**

The main challenge faced while writing the script was in extracting the full address of each store, as the address components were in different HTML tags. However, this was

resolved by concatenating the different components into a single string.

Another challenge faces was getting the latitude and longitude of the locations. However using API from Trueway Geocoding from the RapiAPI platform to extract the latitude and longitude coordinates of each store address resolved the problem.

Overall, the script was successful in extracting the desired data and storing it in a CSV file.