LEPTON

In this code, we start by importing the necessary libraries: **requests** and **BeautifulSoup.** We then define the URL of the website we want to scrape and use the **requests** library to send a GET request to this URL. We store the HTML content of the response in the **htmlContent** variable.

We then parse the HTML content using **BeautifulSoup** and store the resulting object in the **soup** variable. We print this object to verify that the parsing was successful.

We then open a CSV file named **leptonsoup.csv** using the csv module and write the contents of the **soup** variable to this file using the **writerows**() method.

Next, we find all the **<a>** tags within the HTML content using the **soup.find\_all()** method and loop through each tag to extract the **href** attribute value using the get() method. We print these values to verify that we're able to extract them correctly.

Finally, we use **BeautifulSoup** to find all the **<div>** elements with class **views-row** **storebox** and loop through each element to extract the store location information. We extract the store name, address, phone number, opening and closing times, and print this information to the console.

One challenge we faced was identifying the correct HTML tags and attributes to extract the required information. This was particularly difficult for some of the timing’s information, which was nested several levels deep within the HTML structure. To overcome this challenge, we used a combination of trial-and-error and inspection of the HTML source code to identify the correct tags and attributes to use.

Another challenge we faced was formatting the extracted data in a way that would be useful for further analysis. In this code, we simply printed the extracted information to the console, but in a real-world application, we would likely want to store this information in a database or write it to a file in a more structured format, such as JSON or CSV. To overcome this challenge, we would need to use additional Python libraries and methods to format and store the data in a more suitable way.