**\*\* Retrieving and Saving Product Reviews from Trendyol\*\***

This code is designed to retrieve and save product reviews from Trendyol, an online shopping platform. It uses the Trendyol API to fetch reviews for a given product URL and stores the reviews in a CSV file.

The code is divided into several functions and follows a sequential flow:

**1.** \*\*Imports:\*\* The required libraries are imported: `re` for regular expressions, `csv` for CSV file handling, and `requests` for making HTTP requests.

**2.** \*\*API URL Definition:\*\* The URL of the Trendyol API is defined as a constant variable named `API`. This URL includes placeholders for the product ID and page number, which will be filled in dynamically later.

**3.** \*\*Main Function:\*\* The `main()` function serves as the entry point for the code. It prompts the user to enter a Trendyol product URL and calls the necessary functions to retrieve and save the product reviews.

**4.** \*\*get\_comments(url):\*\* This function takes a Trendyol product URL as input and returns a dictionary containing the product ID and a list of comments. It performs the following steps:

- Uses regex to extract the product ID from the URL.

- Creates an HTTP session object using `requests.Session()`.

- Initializes an empty list to store the comments.

- Starts a loop to retrieve reviews from multiple pages.

- Sends a GET request to the Trendyol API with the product ID and current page number.

- Parses the JSON response to extract the product reviews.

- If there are no reviews, breaks out of the loop.

- Extracts comments and ratings from each review and adds them to the list.

- Prints a progress message indicating the page number.

- Moves to the next page.

- Finally, returns a dictionary with the product ID and comments.

**5.** \*\*write\_csv(product\_id, comments):\*\* This function takes the product ID and the list of comments as input and saves them to a CSV file. It performs the following steps:

- Generates the filename using the product ID.

- Opens the file in write mode using `open()` and the `csv` module.

- Defines the field names for the CSV file.

- Creates a CSV writer object with the defined field names and writes the header row.

- Iterates over each comment and writes it as a row in the CSV file.

- Prints a message indicating successful saving of comments to the file.

**6.** \*\*Main Execution:\*\* The code checks if the script is being run as the main module. If so, it calls the `main()` function to initiate the retrieval and saving of product reviews.

Overall, this code allows users to input a Trendyol product URL, fetches the associated reviews using the Trendyol API, and saves the reviews in a CSV file with the product ID as the filename. The code utilizes the `requests` library for making HTTP requests, `re` for regex-based URL parsing, and `csv` for handling CSV files.