📝 Introduction

This project is a **Book Scraper** tool developed using Python, which scrapes book details (Title, Price, and Rating) from the website Books to Scrape. The scraped data is stored in a CSV file, and a simple **Tkinter GUI** makes it easy to trigger the scraping process with just one click.

🧠 Key Features

- ✅ Scrapes **book titles, prices, and ratings**
- ✅ Saves data into `products.csv`
- ✅ Uses **Tkinter GUI** for user interaction
- ✅ Pop-up alert confirms successful scrape
- ✅ Easy to use and educational

🛠️ Technologies Used

- Python 3
- `requests` and `beautifulsoup4` for web scraping
- `csv` for file handling
- `tkinter` for GUI
- `fpdf` and `PIL` (optional, for PDF reports with images)

📸 Screenshots

✅ GUI and success message after scraping:

✅ Output `products.csv` opened in Excel:

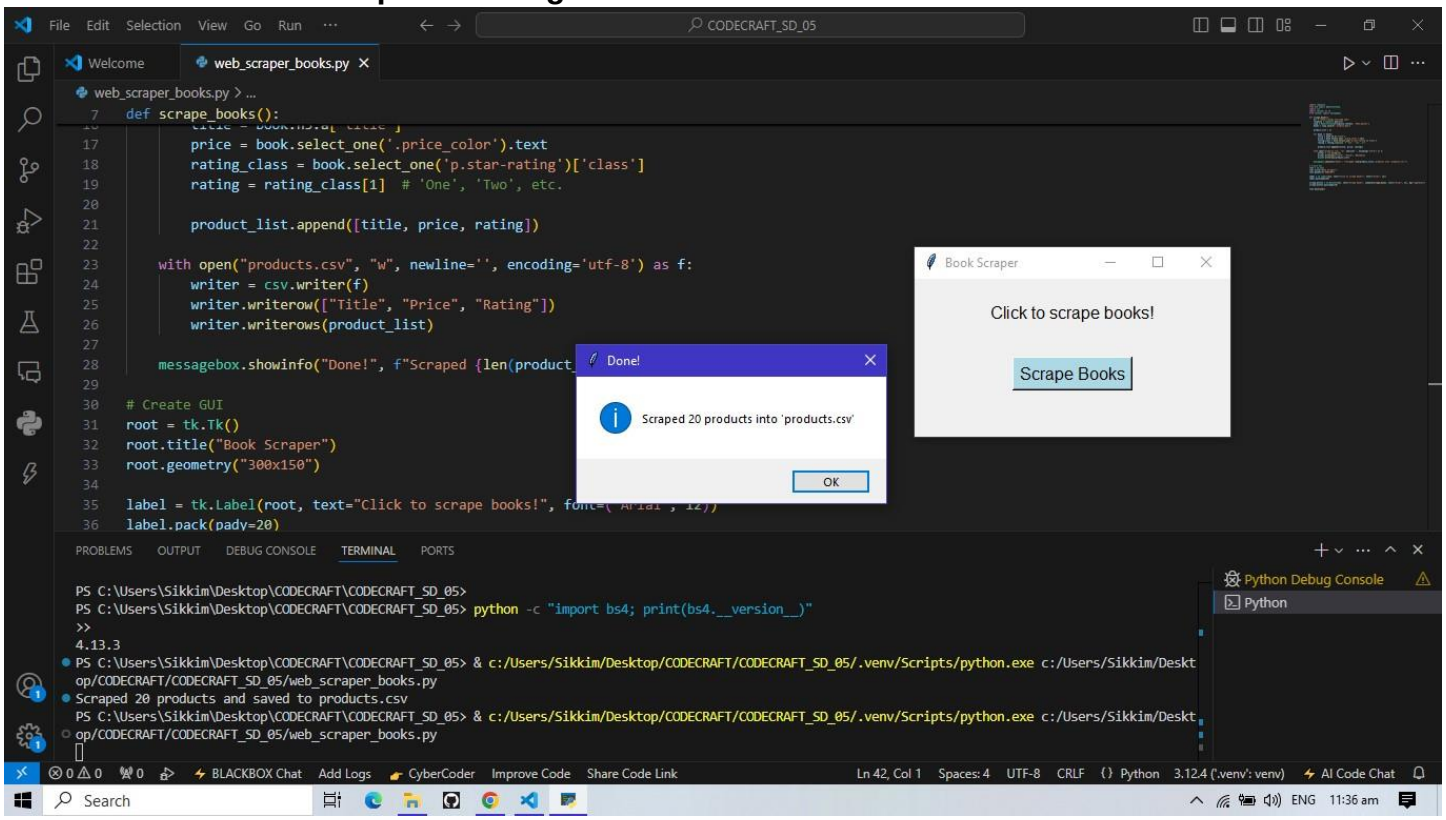
🏁 Conclusion

This mini project is a great introduction to web scraping, file handling, and GUI creation using Python. With just a few libraries, it automates the data collection process and stores it in a readable format. Perfect for beginners and those exploring automation or data science!

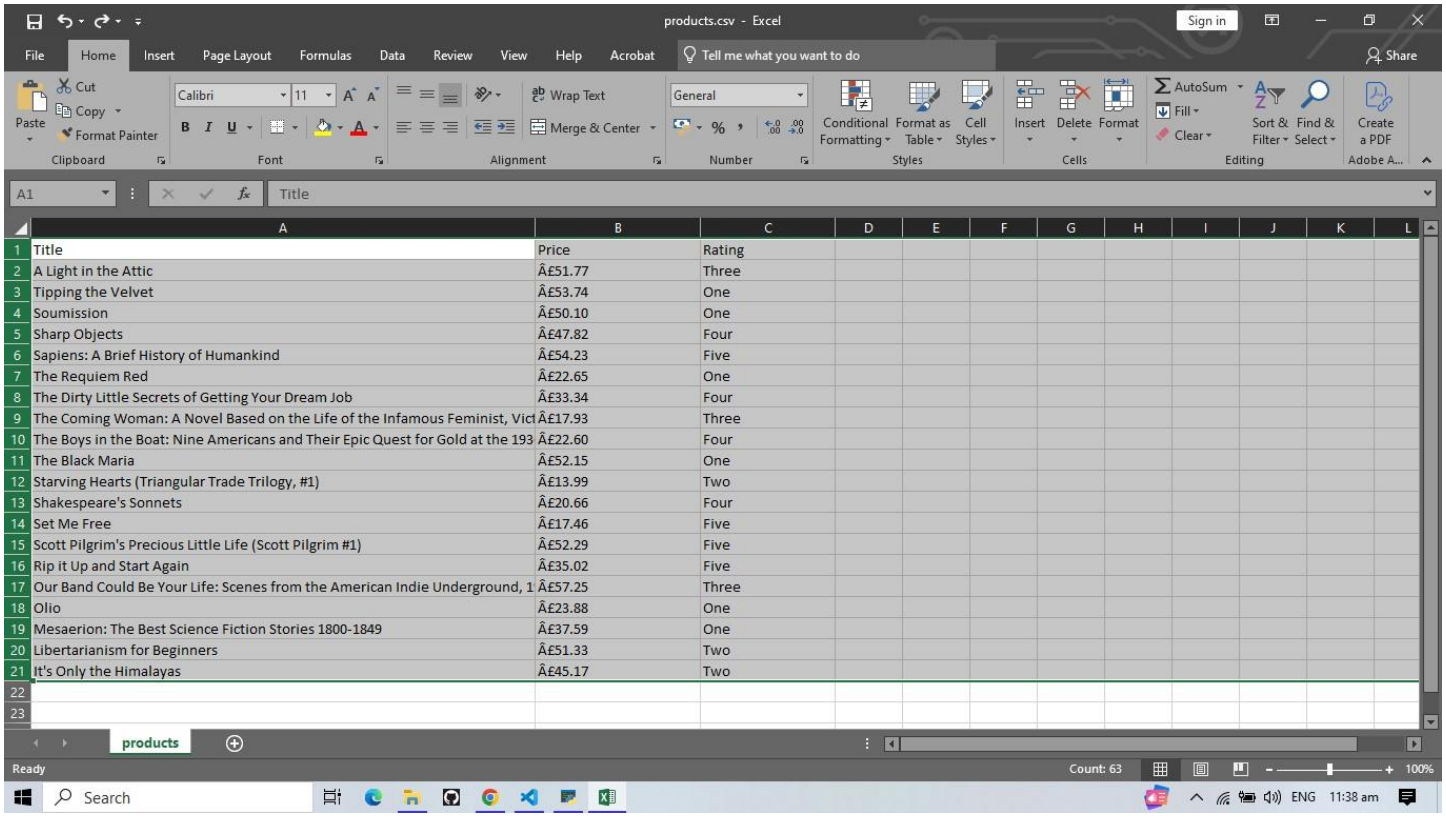
Book Scraper - GUI Based Web Scraping

This project demonstrates how to scrape book data using Python, BeautifulSoup, and Tkinter to build a GUI-based tool. The data is scraped from 'books.toscrape.com' and saved to a CSV file named 'products.csv'. The GUI allows users to scrape data with a click of a button, and a popup confirms successful execution.

Screenshot 1: Web Scraper Running



Screenshot 2: Scraped Data in CSV



products.csv - Excel

	Title	Price	Rating
2	A Light in the Attic	Â£51.77	Three
3	Tipping the Velvet	Â£53.74	One
4	Soumission	Â£50.10	One
5	Sharp Objects	Â£47.82	Four
6	Sapiens: A Brief History of Humankind	Â£54.23	Five
7	The Requiem Red	Â£22.65	One
8	The Dirty Little Secrets of Getting Your Dream Job	Â£33.34	Four
9	The Coming Woman: A Novel Based on the Life of the Infamous Feminist, Vict	Â£17.93	Three
10	The Boys in the Boat: Nine Americans and Their Epic Quest for Gold at the 193	Â£22.60	Four
11	The Black Maria	Â£52.15	One
12	Starving Hearts (Triangular Trade Trilogy, #1)	Â£13.99	Two
13	Shakespeare's Sonnets	Â£20.66	Four
14	Set Me Free	Â£17.46	Five
15	Scott Pilgrim's Precious Little Life (Scott Pilgrim #1)	Â£52.29	Five
16	Rip it Up and Start Again	Â£35.02	Five
17	Our Band Could Be Your Life: Scenes from the American Indie Underground, 1	Â£57.25	Three
18	Olio	Â£23.88	One
19	Mesaerion: The Best Science Fiction Stories 1800-1849	Â£37.59	One
20	Libertarianism for Beginners	Â£51.33	Two
21	It's Only the Himalayas	Â£45.17	Two

- 20 books were successfully scraped, including their titles, prices, and ratings.

- Data was stored in 'products.csv'.

- The tool uses tkinter for GUI and BeautifulSoup for parsing HTML.

Note: This project is for educational purposes only.