

Week 5

Web Scrapping

Website : Books to Scrape

*BeautifulSoup*

Winter Internship  
By Rahulkannan

# Scraping Book Data from <http://books.toscrape.com/>

## Purpose:

This script aims to automate the process of collecting book data from the website <http://books.toscrape.com/>. By extracting details such as book titles, ratings, prices, and links, it creates a structured table of information for easy analysis and reference. The script is designed to simplify the task of gathering book data for various purposes, such as research or cataloging.

## Libraries Used:

- **requests** - For making HTTP requests to the website.
- **BeautifulSoup** - For parsing the HTML content of the website.
- **pandas** - For creating and manipulating DataFrames.
- **tabulate** - For displaying the DataFrame as a table.



# Functions:

## **scrape\_books(pages=5)**

- **Purpose:** Scrapes book data from multiple pages of the website.
- **Arguments:**
  - **pages** (int): The number of pages to scrape.  
Default is 5.
- **Returns:**
  - **list:** A list of dictionaries containing book data.

# The Website to Scrap

Books to Scrape We love being scraped!

[Home](#) / [All products](#)

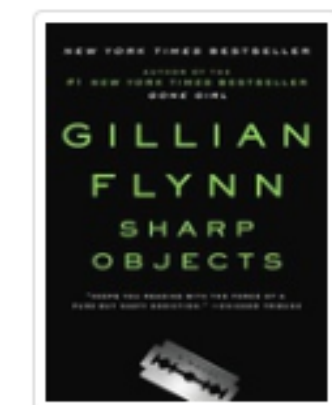
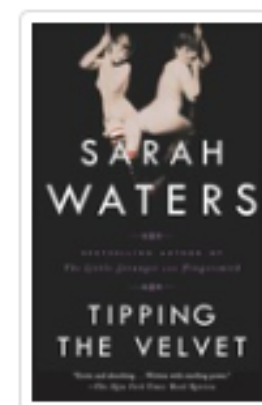
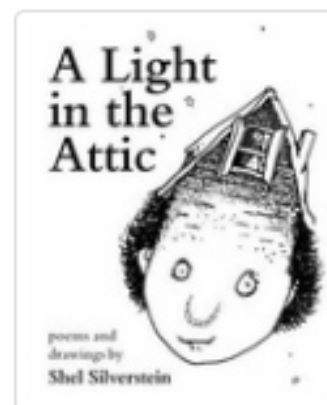
## Books

- [Travel](#)
- [Mystery](#)
- [Historical Fiction](#)
- [Sequential Art](#)
- [Classics](#)
- [Philosophy](#)
- [Romance](#)
- [Womens Fiction](#)
- [Fiction](#)
- [Childrens](#)
- [Religion](#)
- [Nonfiction](#)
- [Music](#)
- [Default](#)
- [Science Fiction](#)
- [Sports and Games](#)
- [Add a comment](#)
- [Fantasy](#)

## All products

1000 results - showing 1 to 20.

**Warning!** This is a demo website for web scraping purposes. Prices and ratings here were randomly assigned and have no real meaning.



# Structured Book Data from Books to Scrape

Title	Rating	Price	Link
A Light in the Attic	Three	£51.77	<a href="http://books.toscrape.com/catalogue/a-light-in-the-attic">http://books.toscrape.com/catalogue/a-light-in-the-attic</a>
Tipping the Velvet	One	£53.74	<a href="http://books.toscrape.com/catalogue/tipping-the-velvet">http://books.toscrape.com/catalogue/tipping-the-velvet</a>
Soumission	One	£50.10	<a href="http://books.toscrape.com/catalogue/soumission">http://books.toscrape.com/catalogue/soumission</a>
Sharp Objects	Four	£47.82	<a href="http://books.toscrape.com/catalogue/sharp-objects">http://books.toscrape.com/catalogue/sharp-objects</a>
Sapiens: A Brief History of Humankind	Five	£54.23	<a href="http://books.toscrape.com/catalogue/sapiens">http://books.toscrape.com/catalogue/sapiens</a>
The Requiem Red	One	£22.65	<a href="http://books.toscrape.com/catalogue/the-requiem-red">http://books.toscrape.com/catalogue/the-requiem-red</a>
The Dirty Little Secrets of Getting Your Dream Job	Four	£33.34	<a href="http://books.toscrape.com/catalogue/the-dirty-little-secrets-of-getting-your-dream-job">http://books.toscrape.com/catalogue/the-dirty-little-secrets-of-getting-your-dream-job</a>
The Coming Woman: A Novel Based on the Life of the Infamous Feminist, Victoria Woodhull	Three	£17.93	<a href="http://books.toscrape.com/catalogue/the-coming-woman">http://books.toscrape.com/catalogue/the-coming-woman</a>
The Boys in the Boat: Nine Americans and Their Epic Quest for Gold at the 1936 Berlin Olympics	Four	£22.60	<a href="http://books.toscrape.com/catalogue/the-boys-in-the-boat">http://books.toscrape.com/catalogue/the-boys-in-the-boat</a>
The Black Maria	One	£52.15	<a href="http://books.toscrape.com/catalogue/the-black-maria">http://books.toscrape.com/catalogue/the-black-maria</a>
Starving Hearts (Triangular Trade Trilogy, #1)	Two	£13.99	<a href="http://books.toscrape.com/catalogue/starving-hearts">http://books.toscrape.com/catalogue/starving-hearts</a>
Shakespeare's Sonnets	Four	£20.66	<a href="http://books.toscrape.com/catalogue/shakespeares-sonnets">http://books.toscrape.com/catalogue/shakespeares-sonnets</a>
Set Me Free	Five	£17.46	<a href="http://books.toscrape.com/catalogue/set-me-free">http://books.toscrape.com/catalogue/set-me-free</a>
Scott Pilgrim's Precious Little Life (Scott Pilgrim #1)	Five	£52.29	<a href="http://books.toscrape.com/catalogue/scott-pilgrims-precious-little-life">http://books.toscrape.com/catalogue/scott-pilgrims-precious-little-life</a>
Rip it Up and Start Again	Five	£35.02	<a href="http://books.toscrape.com/catalogue/rip-it-up-and-start-again">http://books.toscrape.com/catalogue/rip-it-up-and-start-again</a>
Our Band Could Be Your Life: Scenes from the American Indie Underground, 1981-1991	Three	£57.25	<a href="http://books.toscrape.com/catalogue/our-band-could-be-your-life">http://books.toscrape.com/catalogue/our-band-could-be-your-life</a>
Olio	One	£23.88	<a href="http://books.toscrape.com/catalogue/olio">http://books.toscrape.com/catalogue/olio</a>
Mesaerion: The Best Science Fiction Stories 1800-1849	One	£37.59	<a href="http://books.toscrape.com/catalogue/mesaerion">http://books.toscrape.com/catalogue/mesaerion</a>
Libertarianism for Beginners	Two	£51.33	<a href="http://books.toscrape.com/catalogue/libertarianism-for-beginners">http://books.toscrape.com/catalogue/libertarianism-for-beginners</a>
It's Only the Himalayas	Two	£45.17	<a href="http://books.toscrape.com/catalogue/its-only-the-himalayas">http://books.toscrape.com/catalogue/its-only-the-himalayas</a>

*Thank  
You*

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