

Web scrapping

Presented by: Hameed Emad Hameed And
Ali Khalid Jabbar

1

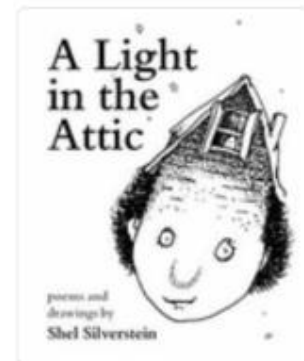
**The web we
used**

2

**The code and
an explanation
of some
important
points**

3

**Solve problems
and explain the
benefit of the
project**

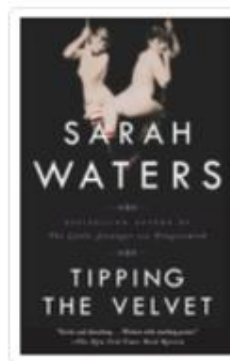


A Light in the ...

£51.77

✓ In stock

Add to basket

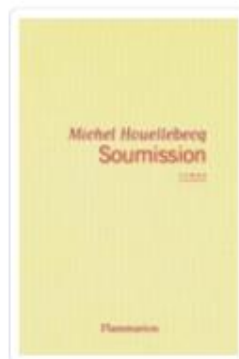


Tipping the Velvet

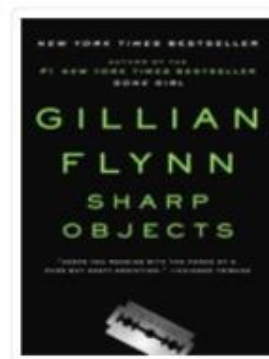
£53.74

✓ In stock

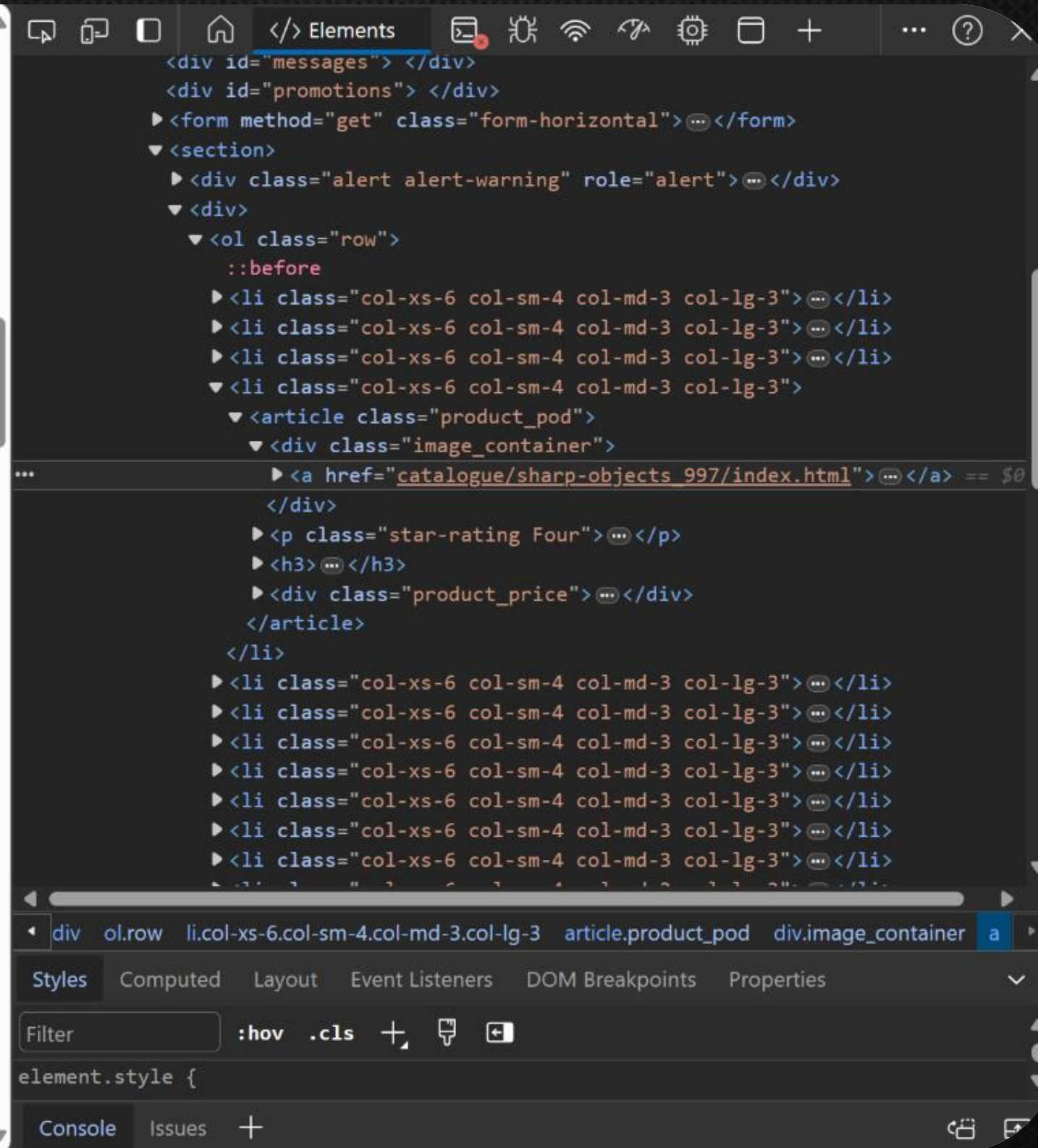
Add to basket



Soumission

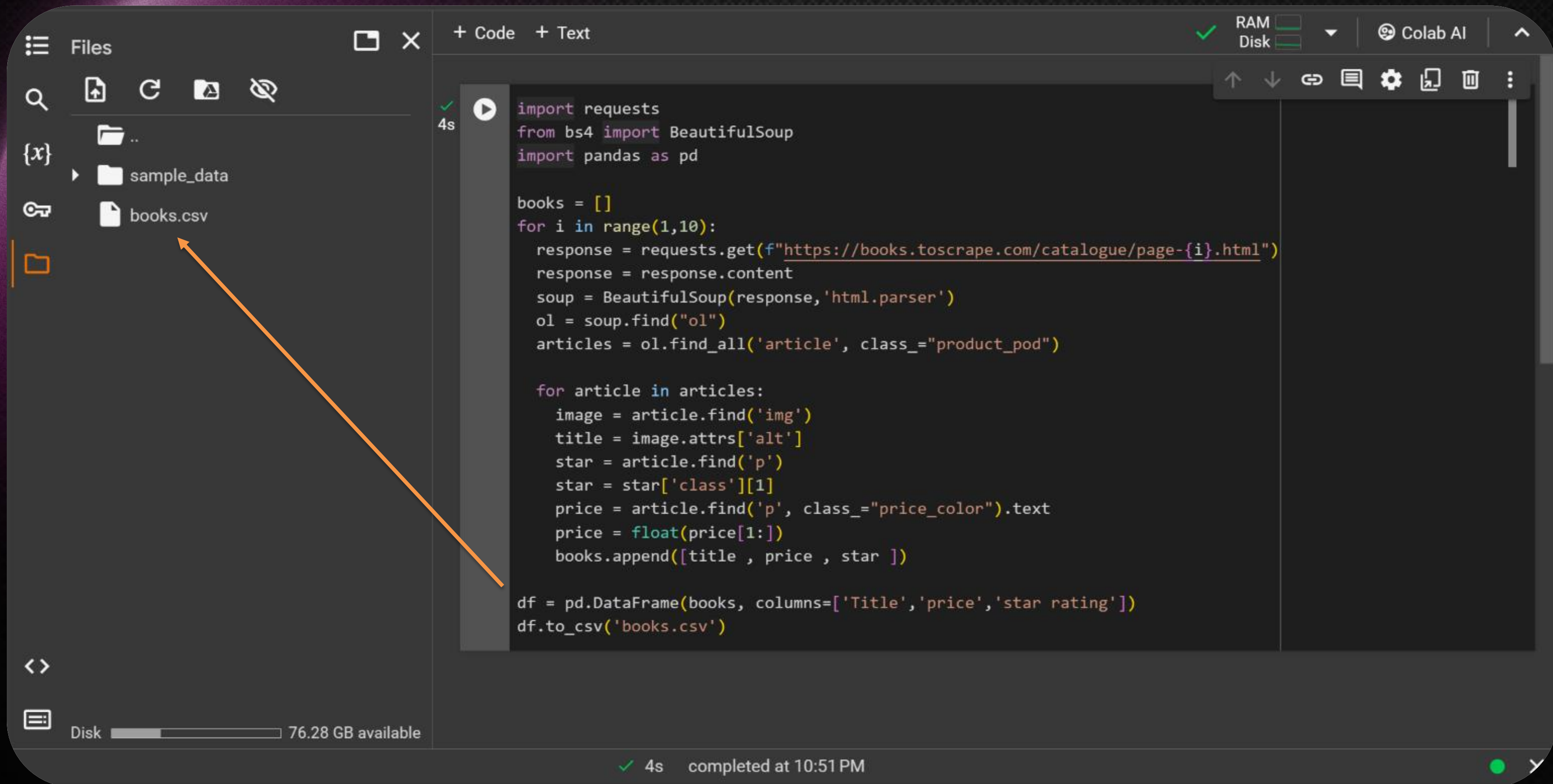


Sharp Objects



This is the main web page from which we extracted the data

Program output



Files

sample_data

books.csv

```
import requests
from bs4 import BeautifulSoup
import pandas as pd

books = []
for i in range(1,10):
    response = requests.get(f"https://books.toscrape.com/catalogue/page-{i}.html")
    response = response.content
    soup = BeautifulSoup(response, 'html.parser')
    ol = soup.find("ol")
    articles = ol.find_all('article', class_="product_pod")

    for article in articles:
        image = article.find('img')
        title = image.attrs['alt']
        star = article.find('p')
        star = star['class'][1]
        price = article.find('p', class_="price_color").text
        price = float(price[1:])
        books.append([title , price , star ])

df = pd.DataFrame(books, columns=['Title','price','star rating'])
df.to_csv('books.csv')
```

✓ 4s completed at 10:51 PM

Disk 76.28 GB available

Program output

Files

🔍

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{x}

sample_data

books.csv

+ Code

+ Text

All changes saved

✓

RAM

Disk

Colab AI

👤

⚙️

▼

books.csv

	Title	price	star rating
0	A Light in the Attic	51.77	Three
1	Tipping the Velvet	53.74	One
2	Soumission	50.1	One
3	Sharp Objects	47.82	Four
4	Sapiens: A Brief History of Humankind	54.23	Five
5	The Requiem Red	22.65	One
6	The Dirty Little Secrets of Getting Your Dream Job	33.34	Four
7	The Coming Woman: A Novel Based on the Life of the Infamous Feminist, Victoria Woodhull	17.93	Three
8	The Boys in the Boat: Nine Americans and Their Epic Quest for Gold at the 1936 Berlin Olympics	22.6	Four
9	The Black Maria	52.15	One
10	Starving Hearts (Triangular Trade Trilogy, #1)	13.99	Two
11	Shakespeare's Sonnets	20.66	Four
12	Set Me Free	17.46	Five
13	Scott Pilgrim's Precious Little Life (Scott Pilgrim #1)	52.29	Five
14	Rip it Up and Start Again	35.02	Five
15	Our Band Could Be Your Life: Scenes from the American Indie Underground, 1981-1991	57.25	Three
16	Olio	23.88	One
17	Mesaerion: The Best Science Fiction Stories 1800-1849	37.59	One
18	Libertarianism for Beginners	51.33	Two
19	It's Only the Himalayas	45.17	Two
20	In Her Wake	12.84	One
21	How Music Works	37.32	Two
22	Foolproof Preserving: A Guide to Small Batch Jams, Jellies, Pickles, Condiments, and More: A Foolproof Guide to Making Small Batch Jams, Jellies, Pickles, Condiments, and More	30.52	Three
23	Chase Me (Paris Nights #2)	25.27	Five
24	Black Dust	34.53	Five

Show 25 per page

12345678

4s

import re
from bs4 i
import par

books = []
for i in r
response
response
soup = B
ol = sou
articles

for arti
image
title
star =
star =
price
price
books.

df = pd.Da
df.to_csv(

Disk

81.65 GB available

Disk

81.65 GB available

show 25 per page

12345678

24 Black Dust 34.53 Five

23 Chase Me (Paris Nights #2) 25.27 Five

HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW						
<div> <div>Clipboard</div> <div>Font</div> <div>Alignment</div> <div>Number</div> <div>Styles</div> <div>Cells</div> <div>Editing</div> </div>						
B2		A Light in the Attic				
	A	B	C	D	E	F
1		Title	price	star rating		
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4	2	Soumission	50.1	One		
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6	4	Sapiens: A Brief History of Humankind	54.23	Five		
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25	23	Chase Me (Paris Nights #2)	25.27	Five		
26	24	Black Dust	34.53	Five		
27	25	Birdsong: A Story in Pictures	54.64	Three		
28	26	America's Cradle of Quarterbacks: Western Pennsylvania's Football Factory from Johnny Unitas to Joe Montana	22.5	Three		
29	27	Aladdin and His Wonderful Lamp	53.13	Three		
30	28	Worlds Elsewhere: Journeys Around Shakespeare's Globe	40.3	Five		
31	29	Wall and Piece	44.18	Four		
32	30	The Four Agreements: A Practical Guide to Personal Freedom	17.66	Five		

After extracting the data and placing it in a csv file, it is transferre d to Excel to benefit from it more easily

Thanks

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