

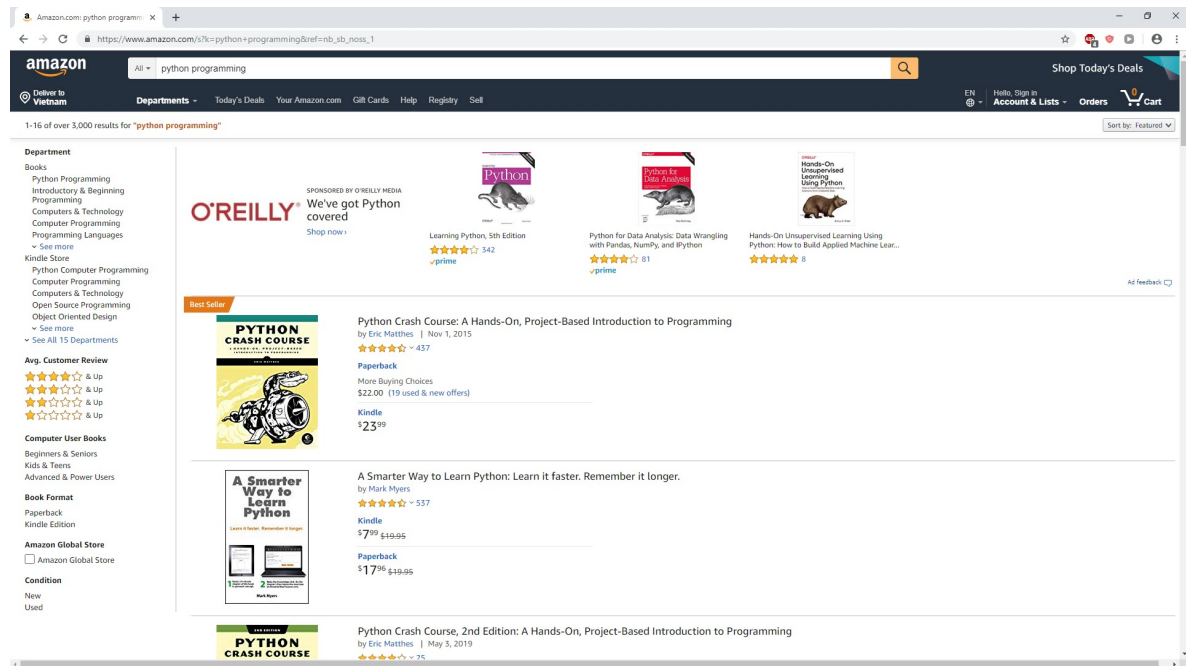
Amazon projects

Amazon is largest ecommerce site in the world. We will do following web scraping task on Amazon:

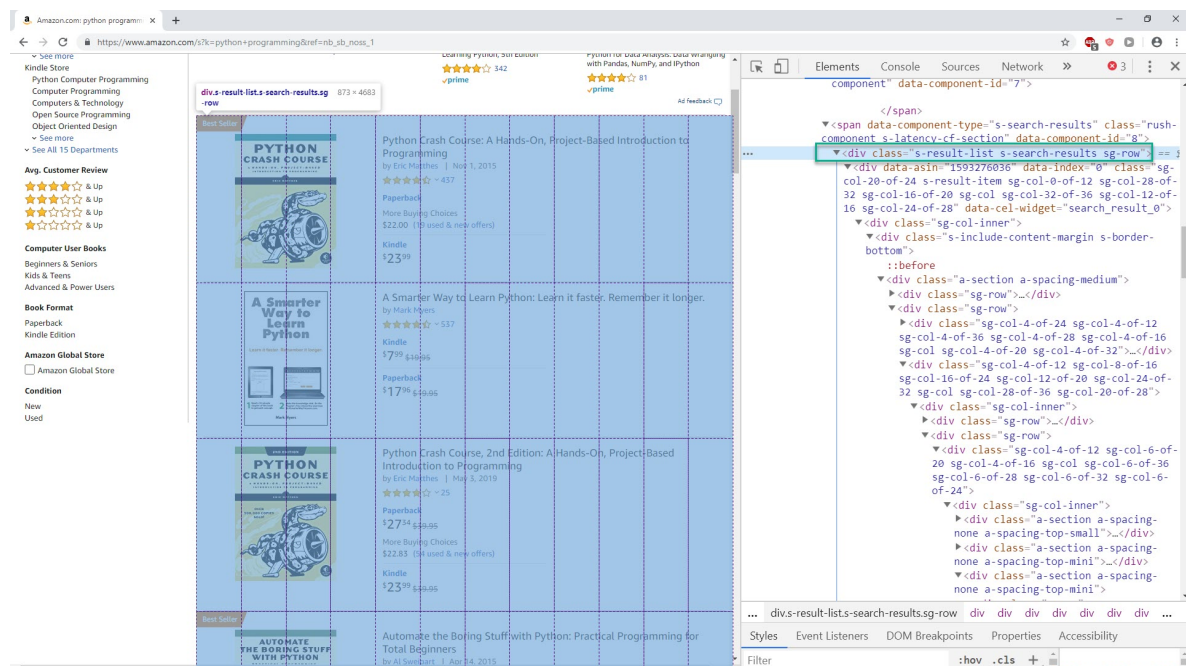
- Scrape book list "python programming", get book title and link to detail page.
- Scrape detail information for each book in side "python programming" list
- Scrape customer comment for each book inside "python programming" list
- Scrape search result from multiple pages

Mission 1 : scrape title and detail link

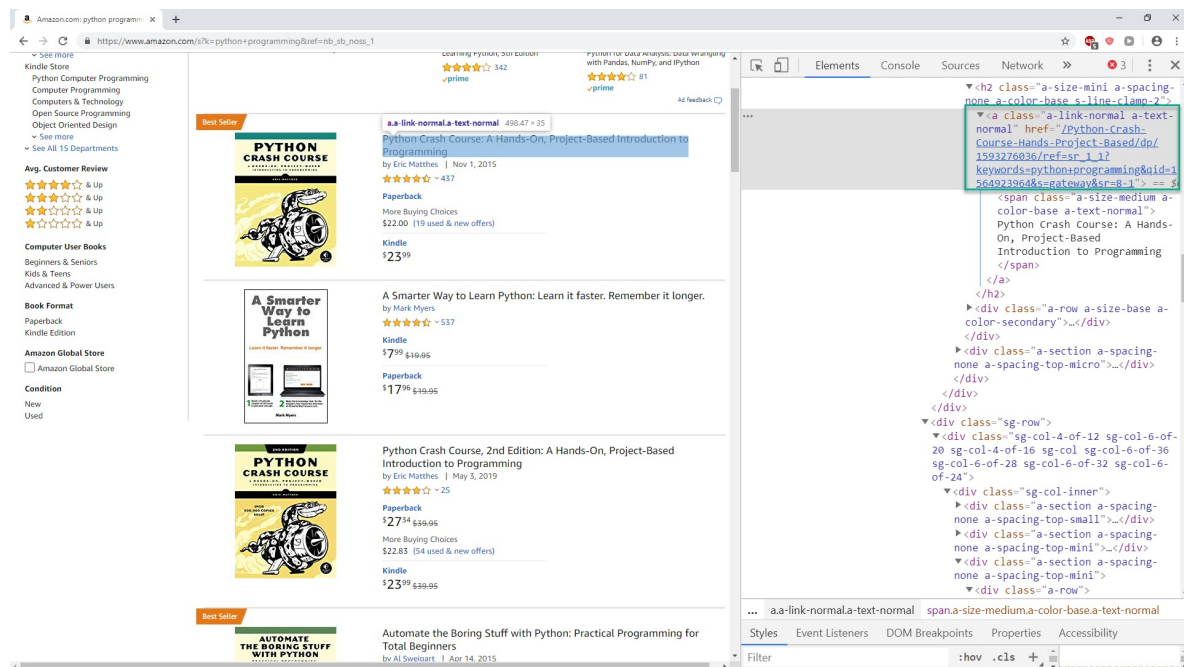
Access the [link](#) and you will see a list of python programming book



Let do some inspection on this page, we see that `div` with class `s-result-list` contain all books



Now to access each book, we see that `a` tag with class `a-link-normal a-text-normal` contain book title and link to detail for each book



So we have following code to scrape book title and link to detail page

```
from bs4 import BeautifulSoup
from selenium import webdriver

chrome_driver_path = r'C:\chromedriver_win32\chromedriver.exe'
driver = webdriver.Chrome(executable_path=chrome_driver_path)

def get_book_list():
    url = 'https://www.amazon.com/s/ref=nb_sb_noss_1?url=search-alias%3Daps&field-keywords=python+programming'
    driver.get(url)

    soup = BeautifulSoup(driver.page_source, 'lxml')
    div = soup.find('div', class_='s-result-list')

    for a in div.find_all('a', class_='a-link-normal a-text-normal'):
        print('title : ', a.text.replace('\n', ''))
        print('link : ', a['href'])
        print('\n')
        print('\n')

get_book_list()

driver.close()
```

After running we will have book title and link print out as below

=====

title : Python Crash Course: A Hands-On, Project-Based Introduction to Programming

link : /Python-Crash-Course-Hands-Project-Based/dp/1593276036/ref=sr_1_1?

keywords=python+programming&qid=1564924835&s=gateway&sr=8-1

title : A Smarter Way to Learn Python: Learn it faster. Remember it longer.

link : /Smarter-Way-Learn-Python-Remember-ebook/dp/B077Z55G3B/ref=sr_1_2?

keywords=python+programming&qid=1564924835&s=gateway&sr=8-2

title : Python Crash Course, 2nd Edition: A Hands-On, Project-Based Introduction to Programming

link : /Python-Crash-Course-2nd-Edition/dp/1593279280/ref=sr_1_3?

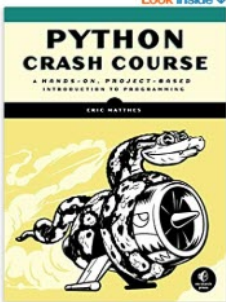
keywords=python+programming&qid=1564924835&s=gateway&sr=8-3

=====

Mission 2 : scrape detail info for each book (try it your self)

When click to each book, We will go to detail page, in this page for example we want to scrape for ISBN number and the book description.

[Back to results](#)




Look Inside

PYTHON CRASH COURSE
A HANDS-ON, PROJECT-BASED INTRODUCTION TO PROGRAMMING
ERIC MATTHESS

See all 9 images

Follow the Author

 Eric Matthes [+ Follow](#)

Python Crash Course: A Hands-On, Project-Based Introduction to Programming Paperback – November 1, 2015

by Eric Matthes (Author)


★★★★★ 437 customer reviews

#1 Best Seller in Teen & Young Adult Computer Programming

See all 2 formats and editions

Kindle \$25.99	Paperback from \$22.00
Read with Our Free App	14 Used from \$22.00 5 New from \$26.63

There is a newer edition of this item:

 Python Crash Course, 2nd Edition: A Hands-On, Project-Based Introduction to Programming
\$27.34
★★★★★ (25)
In Stock.

Python Crash Course is a fast-paced, thorough introduction to Python that will have you writing programs, solving problems, and making things that work in no time.

In the first half of the book, you'll learn about basic programming concepts, such as lists, dictionaries, classes, and loops, and practice writing clean and readable code with exercises for each topic. You'll

[Read more](#)

Editorial Reviews

Review

Recommended reading for a "shining tech career" by Techradar India

Python Crash Course was selected as one of the best books for learning Python by Real Python

"It has been interesting to see, over the last few years, No Starch Press, which produces this book, growing and producing future classics that should be alongside the more traditional O'Reilly Press programming books. Python Crash Course is one of those books."

—Greg Laden, ScienceBlogs

"All of these projects are well thought out and presented in such a way that learning the subject matter and implementing it is much more an enjoyable pastime rather than an onerous task that must be completed. Eric took the time to deal with some rather complex projects and lay them out in a consistent, logical and pleasant manner that draws the reader into the subject willingly, which unfortunately, many authors fail to do."

—Full Circle Magazine

"The book is well presented with good explanations of the code snippets. It works with you, one small step at a time, building more complex code, explaining what's going on all the way."

—FlickThrough Reviews

"Learning Python with Python Crash Course was an extremely positive experience! A great choice if you're new to Python."

—Mikie Goes Coding

About the Author

Eric Matthes is a high school science and math teacher living in Alaska where he teaches Introduction to Python. He has been writing programs since he was five years old.

Product details

Paperback: 560 pages
Publisher: No Starch Press; 1 edition (November 1, 2015)
Language: English
ISBN-10: 1593276036
ISBN-13: 978-1593276034
Product Dimensions: 7 x 1.3 x 9.2 inches
Shipping Weight: 2.4 pounds
Average Customer Review: ★★★★★ 437 customer reviews
Amazon Best Sellers Rank: #10,067 in Books (See Top 100 in Books)
#16 in Introductory & Beginning Programming
#1 in Teen & Young Adult Computer Programming
#5 in STEM Education

When running your code, console result should as below

```
"""
isbn : 1593276036
description : Python Crash Course is a fast-paced, thorough introduction to
Python that will
have you writing programs, solving problems, and making things that work in no
time.In the first half of the book, you'll learn about basic programming
concepts, such as lists, dictionaries, classes, and loops, and practice
writing clean and readable code with exercises for each topic. You'll also
learn how to make your programs interactive and how to test your code safely
before adding it to a project. In the second half of the book, you'll put your
new knowledge into practice with three substantial projects: a Space
Invaders-inspired arcade game, data visualizations with Python's super-handly
libraries, and a simple web app you can deploy online.As you work through
Python Crash Course you'll learn how to:-Use powerful Python libraries and
tools, including matplotlib, NumPy, and Pygal-Make 2D games that respond to
keypresses and mouse clicks, and that grow more difficult as the game
progresses-Work with data to generate interactive visualizations-Create and
customize web apps and deploy them safely online-Deal with mistakes and errors
so you can solve your own programming problemsIf you've been thinking
seriously about digging into programming, Python Crash Course will get you up
to speed and have you writing real programs fast. Why wait any longer? Start
your engines and code!Uses Python 2 and 3
"""
```

Mission 3 : scrape customer comment for each book (try it your self)

In this mission, we also scrape inside detail page, but we want to get comment from reader. Just the most valueable comment. It is the top comment.

Read reviews that mention

crash course

learn python

great book

easy to follow

highly recommend

well written

python crash

eric matthes

kindle app

step by step

python programming

kindle version

Showing 1-8 of 437 reviews

Top Reviews



Megan

★★★★★ I'm taking programming courses to complete a teaching authorization in computer science and this book is 10x better than the required text

January 11, 2018

Format: Paperback | **Verified Purchase**

This book is a life-saver! I'm taking programming courses to complete a teaching authorization in computer science and this book is 10x better than the required text. Each programming concept is explained well and followed by a chunk of code that has a line-by-line narrative explanation of what the code does. At the end of each section, there are "Try It Yourself" mini-projects to apply your learning. They can take anywhere from 5-45 minutes to complete but they are perfect for checking your own understanding of each concept. If/when I teach an Intro to Python course, this will be MY required text!

59 people found this helpful

Helpful

Comment

Report abuse

When running your code it should print out as below

```
"""\ncomment : This book is a life-saver! I'm taking programming courses to complete\na\nteaching authorization in computer science and this book is 10x better than\nthe required text. Each programming concept is explained well and followed by\na chunk of code that has a line-by-line narrative explanation of what the code\ndoes. At the end of each section, there are "Try It Yourself" mini-projects to\napply your learning. They can take anywhere from 5-45 minutes to complete but\nthey are perfect for checking your own understanding of each concept. If/when\nI teach an Intro to Python course, this will be MY required text!\n"""
```

Mission 4 : scrape book from multiple pages (try it your self)

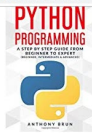
We could see that search result for "python programming" contain multiple pages (here we see that have 20 pages).

In this mission we will try to get book infor from all pages

Amazon.com: python program... X

https://www.amazon.com/s?k=python+programming

☆ 📧 🔍 ⌵



PYTHON PROGRAMMING
A STEP-BY-STEP GUIDE FOR BEGINNERS TO EXPERT PROGRAMMERS
ANTHONY BREW

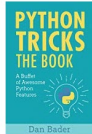
Advanced)
by Anthony Brew | Jan 27, 2019
★★★★☆ ~ 154

Paperback
\$16⁹⁹ ~~\$17.99~~

More Buying Choices
\$11.87 (12 used & new offers)


Kindle
\$0⁰⁰ ~~Unlimited~~
Free with Kindle Unlimited membership
Or \$2.99 to buy

Inspired by your views




PYTHON TRICKS THE BOOK
A Buffet of Awesome Python Features
DAN BADER

Python Tricks: A Buffet of Awesome Python Features
by Dan Bader
★★★★☆ ~ 202
Kindle Edition
\$4⁹⁹ ~~\$29.99~~




PYTHON CRASH COURSE
A HANDS-ON, PROJECT-BASED INTRODUCTION TO PROGRAMMING
ERIC MATTHESS

Python Crash Course: A Hands-On, Project-Based Introduction to Programming
by Eric Matthes
★★★★☆ ~ 437
Kindle Edition
\$23⁹⁹




A Smarter Way to Learn Python
Learn it faster. Remember it longer.
MARK MYERS

A Smarter Way to Learn Python: Learn it faster. Remember it longer.
by Mark Myers
★★★★☆ ~ 537
Paperback
\$17⁹⁹ ~~\$19.95~~
prime



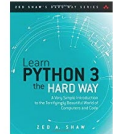
AUTOMATE THE BORING STUFF WITH PYTHON
PRACTICAL PROGRAMMING FOR TOTAL BEGINNERS
AL SWEIGERT

Automate the Boring Stuff with Python: Practical Programming for Total Beginners
by Al Sweigert
★★★★☆ ~ 346
Kindle Edition
\$17⁹⁹ ~~\$29.95~~



PYTHON PROGRAMMING
A PRACTICAL INTRODUCTION TO PYTHON PROGRAMMING FOR TOTAL BEGINNERS
JASON REES

Python Programming: A Practical Introduction To Python Programming For Total Beginners
by Jason Rees
★★★★☆ ~ 106
Kindle Edition
\$0⁰⁰ ~~Unlimited~~
Free with Kindle Unlimited membership



Learn PYTHON 3 THE HARD WAY
A Very Simple Introduction to the Terrifyingly Beautiful World of Computers and Code (Zed Shaw's...)
ZED A. SHAW

Learn Python 3 the Hard Way: A Very Simple Introduction to the Terrifyingly Beautiful World of Computers and Code (Zed Shaw's...
by Zed A. Shaw
★★★★☆ ~ 72
Paperback
\$17⁸⁴ ~~\$29.99~~
prime

Previous

123...20

Next

Tell us how we can improve

If you need help, please visit the help section or contact us