## > Build a simple python web crawler

Python is a high level programming language including object-oriented, imperative, functional programming and a large standard library. For the web crawler two standard library are used - requests and BeautfulSoup4. requests provides a easy way to connect to world wide web and BeautifulSoup4 is used for some particular string operations.

```
import requests
from bs4 import BeautifulSoup
def web(page,WebUrl):
 if(page>0):
    url = WebUrl
    code = requests.get(url)
    plain = code.text
    s = BeautifulSoup(plain, "html.parser")
    for link in s.findAll('a', {'class':'s-access-detail-page'}):
      tet = link.get('title')
      print(tet)
      tet_2 = link.get('href')
      print(tet_2)
web(1,'http://www.amazon.in/s/ref=s9_acss_bw_cts_VodooFS_T4_w?rh=i%3Aelectronics%
2Cn%3A976419031%2Cn%3A%21976420031%2Cn%3A1389401031%2Cn%3A1389432031%
2Cn%3A1805560031%2Cp_98%3A10440597031%2Cp_36%3A1500000-
99999998bbn=1805560031&rw html to wsrp=1&pf rd m=A1K21FY43GMZF8&pf rd s=
merchandised-search-
3&pf rd r=2EKZMFFDEXJ5HE8RVV6E&pf rd t=101&pf rd p=c92c2f88-469b-4b56-936e-
0e65f92eebac&pf rd i=1389432031')
```

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## **Second Example**

But,

**Scrapy** is a fast, high-level screen scraping, and web crawling framework, it is completely written in Python and runs on Linux, Windows, Mac and BSD. Some basic features of Scrapy are given below

- Simple Scrapy was designed with simplicity in mind, by providing the essential features
- Productive We just have to write the rules to extract the data from web pages and Scrapy crawls the entire web site.
- Extensible provides several mechanisms to plug new code without having to touch the framework core

Hence we combine Python with Scrapy for web crawling.

Follow the below link and you can find detail documentation on Scrapy.

https://doc.scrapy.org/en/latest/intro/overview.html

Once you complete, solve this 2 following questions.

- 1. Implement single Topical Crawler(My Spider)
- 2. Then multiple crawlers Myspider1 first and then run the Myspider2 multiples times depending (sequentially) on some conditions.