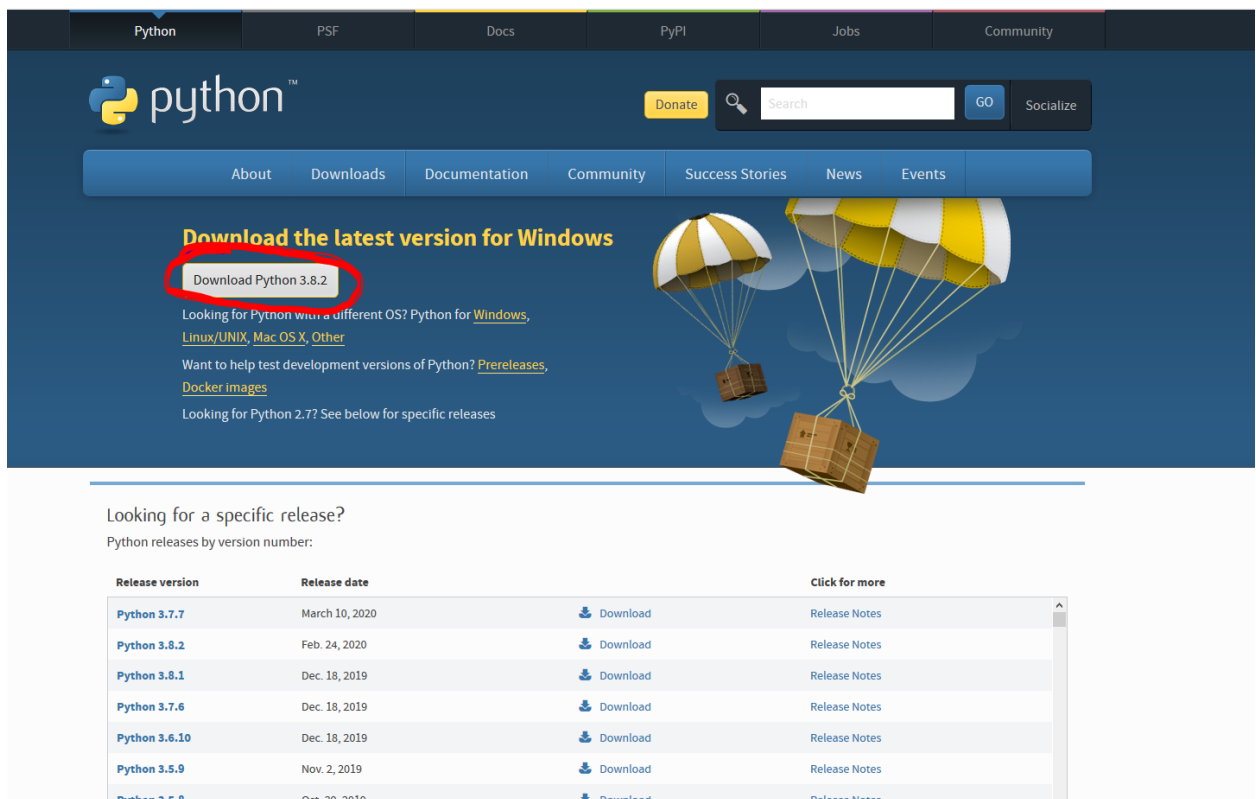


Skroutz Web Scrap using Selenium

Installation Guides for Windows OS

- 1) Install Mozilla Firefox browser.
- 2) Download latest version of geckodriver.
(<https://github.com/mozilla/geckodriver/releases>)
- 3) Install Python 3 using the following URL:

<https://www.python.org/downloads/>



The screenshot shows the Python.org website. The main banner features the Python logo and a navigation bar. Below the banner, there is a section titled "Download the latest version for Windows" with a button labeled "Download Python 3.8.2" circled in red. Below this button, there are links for "Looking for Python with a different OS?", "Want to help test development versions of Python?", and "Looking for Python 2.7?".

Looking for a specific release?
Python releases by version number:

Release version	Release date	Download	Click for more
Python 3.7.7	March 10, 2020	Download	Release Notes
Python 3.8.2	Feb. 24, 2020	Download	Release Notes
Python 3.8.1	Dec. 18, 2019	Download	Release Notes
Python 3.7.6	Dec. 18, 2019	Download	Release Notes
Python 3.6.10	Dec. 18, 2019	Download	Release Notes
Python 3.5.9	Nov. 2, 2019	Download	Release Notes
Python 3.5.8	Oct. 29, 2019	Download	Release Notes

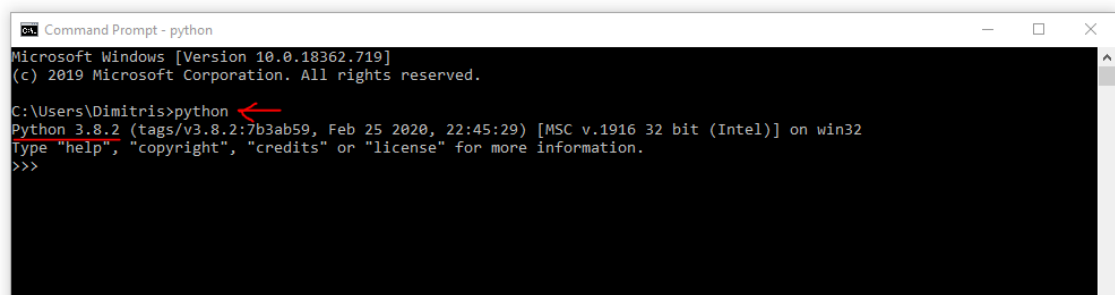
- 4) Find the downloaded .exe file and double click to run installation.

5) Click “Add Python 3.X to PATH and then select “Install Now” as shown below.



In case you want to check if Python is successfully installed, open a new Command Prompt terminal (Start -> type “cmd” -> Open Command Prompt) and type: “python”

If everything is correct, you will see the Python version you downloaded as shown below.



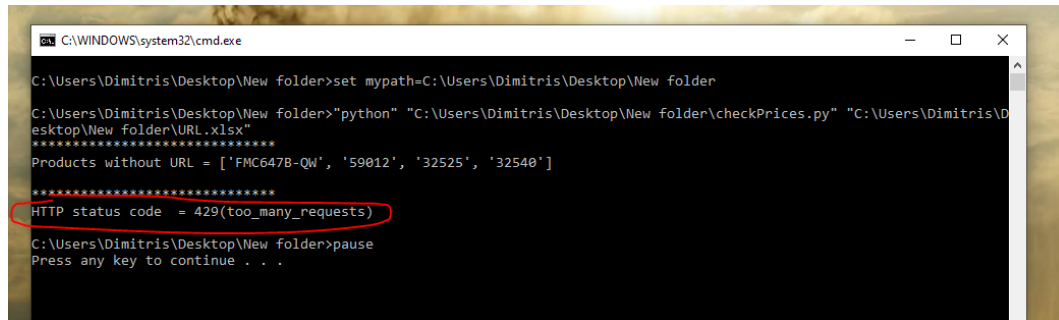
Exit Python terminal by pressing CTRL-Z.

- 6) After installation is completed, run *install-python-libraries.bat* file in order to install the required Python libraries(`progressbar2`, `selenium`, `xlrd`) (file *install-python-libraries.py* must be placed in the same folder) . ! **This step is required only once !**
- 7) In order to run program, files *checkPrices-selenium.py*, *RUN_SCRIPT-selenium.bat*, *geckodriver.exe* and *Products.xlsx* must be placed in the same directory.
- 8) Then, double click *RUN_SCRIPT-selenium.bat* in order to run the program. Mozilla Firefox browser is required. Each time you want to run the script, just double-click *RUN_SCRIPT-selenium.bat* file .
- 9) When the program is successfully finished, the following is displayed and an .csv file with the required products is created, e.g. *skroutz-shops__10-Aug-2020_15-56-56.csv*

```
C:\Users\Dimitris\Desktop\george-skroutz-selenium>"python3" "C:\Users\Dimitris\Desktop\george-skroutz-selenium\checkPrices-selenium.py" "C:\Users\Dimitris\Desktop\george-skroutz-selenium\URL.xlsx"
*****
Products without URL = ['FMC647B-QW', '59012', '32525', '32540']
*****
100% (150 of 150) |#####| Elapsed Time: 0:45:37 Time: 0:45:37
```

!!! IMPORTANT NOTICE !!!

When running the program you may see the following message without any output .csv file:



```
C:\WINDOWS\system32\cmd.exe

C:\Users\Dimitris\Desktop\New folder>set mypath=C:\Users\Dimitris\Desktop\New folder

C:\Users\Dimitris\Desktop\New folder>"python" "C:\Users\Dimitris\Desktop\New folder\checkPrices.py" "C:\Users\Dimitris\Desktop\New folder\URL.xlsx"
*****
Products without URL = ['FMC647B-QW', '59012', '32525', '32540']
*****
HTTP status code = 429(too_many_requests)
C:\Users\Dimitris\Desktop\New folder>pause
Press any key to continue . . .
```

Since Skrutz take its protection measures against multiple HTTP requests, we can act as following:

Either run the program from a computer with a different IP or wait a few hours and rerun the program.

- 10) Open the .csv files preferably by Notepad++(or Notepad)
When opening the file with Excel sheets, greek shop names are not displayed correctly.

1 Stanley FMC01182 10.8V 2x1.5Ah,129.9
2 The Tool,"112,40",<https://www.skroutz.gr/products/show/48595794>
3 Dagopoulos,"112,50",<https://www.skroutz.gr/products/show/46864532>
4 taergalia,"114,99",<https://www.skroutz.gr/products/show/51031037>
5 Kappoutel,"115,00",<https://www.skroutz.gr/products/show/51301721>
6 Dkdstore,"115,45",<https://www.skroutz.gr/products/show/51403316>
7 Interior365,"119,00",<https://www.skroutz.gr/products/show/55140661>
8 MrCheap,"127,00",<https://www.skroutz.gr/products/show/33604504>
9 Ergalia,"129,00",<https://www.skroutz.gr/products/show/40085809>
10 Thevashop,"129,00",<https://www.skroutz.gr/products/show/42377788>
11 Toolcenter,"129,00",<https://www.skroutz.gr/products/show/29065924>
12 Loukidis,"129,00",<https://www.skroutz.gr/products/show/42649748>
13 Ftools,"129,00",<https://www.skroutz.gr/products/show/39114524>
14 "
15 "
16 Stanley FMC02182 10.8V 2x1.5Ah,139.9
17 Allsmart,"112,83",<https://www.skroutz.gr/products/show/49898706>
18 Paisidis,"115,00",<https://www.skroutz.gr/products/show/52906228>
19 Dagopoulos,"119,90",<https://www.skroutz.gr/products/show/46864533>
20 Ergaliothiki.gr,"125,00",<https://www.skroutz.gr/products/show/51267876>
21 Dkdstore,"125,80",<https://www.skroutz.gr/products/show/51403318>
22 Γ. Παπαγιάννης,"128,30",<https://www.skroutz.gr/products/show/27440596>
23 Interior365,"128,70",<https://www.skroutz.gr/products/show/55140663>
24 Ergalia,"137,00",<https://www.skroutz.gr/products/show/26319607>
25 Tool-market,"137,70",<https://www.skroutz.gr/products/show/34306338>
26 Toolcenter,"139,00",<https://www.skroutz.gr/products/show/26397541>
27 Drive4color,"139,00",<https://www.skroutz.gr/products/show/50070500>
28 Loukidis,"139,00",<https://www.skroutz.gr/products/show/34126851>
29 Vainas,"139,00",<https://www.skroutz.gr/products/show/26723926>
30 "
31 "
32 Stanley FMC04182 10.8V 2x1.5Ah,144.9
33 Allsmart,"116,86",<https://www.skroutz.gr/products/show/50148951>
34 Dagopoulos,"119,50",<https://www.skroutz.gr/products/show/46864535>
35 Dkdstore,"122,00",<https://www.skroutz.gr/products/show/51403324>
36 Plus4u,"122,00",<https://www.skroutz.gr/products/show/47354813>
37 PC1,"122,60",<https://www.skroutz.gr/products/show/34409280>
38 Interior365,"133,30",<https://www.skroutz.gr/products/show/55140668>
39 Tool-market,"136,40",<https://www.skroutz.gr/products/show/34306336>
40 Ergalia,"144,00",<https://www.skroutz.gr/products/show/53232256>
41 Electrottools,"144,00",<https://www.skroutz.gr/products/show/33727375>
42 Drill tools,"144,89",<https://www.skroutz.gr/products/show/33017878>
43 "
44 "
45 Stanley FMC625B 18V Solo,105.0
46 Dagopoulos,"98,80",<https://www.skroutz.gr/products/show/46864540>
47 "
48 "
49 Stanley FMC625D2 18V 2x2Ah,189.9
50 Paisidis,"150,00",<https://www.skroutz.gr/products/show/48885551>
51 Tools4you,"153,00",<https://www.skroutz.gr/products/show/47219179>