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**Summary:** Scrape finviz url ([**https://finviz.com/insidertrading.ashx**](https://finviz.com/insidertrading.ashx)) to extract insider trading information for tickers selected by the user (inputted into “**.\mapping\_tables\ticket\_symbol\_list**”). When the scraper is ran, an output containing insider transactions, ticker fundamentals and news will be exported in the form of XLSX into the “**.\output**” folder. If there is a new insider transaction on “run date”, an email will be delivered to the user containing a summary table with transaction details.

**Downloading Python**: If a version of Python 3+ is not already installed within the user’s computer, please install the most recent version of Python from the official site (site and Python 3.10 download link below).

* Official Python Site: [**https://www.python.org/**](https://www.python.org/)
* Python 3.10 download: [**https://www.python.org/ftp/python/3.10.1/python-3.10.1-amd64.exe**](https://www.python.org/ftp/python/3.10.1/python-3.10.1-amd64.exe)

**Installing Requirements**: To ensure the version of Python being used contains all required modules, open a command prompt (you can search CMD on your Windows Search Bar) and navigate to the **finviz\_scraper** repository. Once within the repository location, pass the following command: “**pip install -r requirements.txt”**. The requirements.txt file holds commands to install all required modules to successfully run **finviz\_scraper**.

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**Setting up email alerts**: Open the JSON configuration file found within “**.\config\config.json**” and insert email/password credentials for an Office365 email (Gmail based delivery is not supported, can be customized by the user within the “**.\pkg\_scripts\mail.py**” module if desired). Emails will only be generated if there is new insider transaction activity (ie: if process is ran on 12/23/2021 AND there is an SEC Filing for Insider Transactions on 12/23/2021, an email notification will be sent).

**Running finviz\_scraper:** Double click the following file to execute the process: “**.\executable\finviz\_scraper.bat**”**.** You can find information on how to automate runs of this executable batch file within this link (specifically under the “Run batch file on schedule” section): **https://www.windowscentral.com/how-create-and-run-batch-file-windows-10**

**References**

Credit for the scraping code goes to [**Shashank Vemuri**](https://shashank-vemuri.medium.com/?source=post_page-----a716329e0493-----------------------------------) for the following tutorial: [Scraping FinViz: The Ultimate Stock Screener with Python!](https://medium.datadriveninvestor.com/scraping-live-stock-fundamental-ratios-news-and-more-with-python-a716329e0493).