# Install:

## Dependencies

This script requires that you have a questrade account with API access. Python must be installed, version 2 is supported. Also need to have the openpyxl, os, libraries installed on computer.

## Environment

If python is installed and configured correctly, you should be able to run it from command line by typing python. This will also enable use of pip, pythons command line installer. If not you will need to set the path.

Windows: <https://www.youtube.com/watch?v=UTUlp6L2zkw>

Mac: <https://www.youtube.com/watch?v=yBdZZGPpYxg>

\*This can be tricky, if you need help let me know

Now if you type python or pip into command line or terminal it should start the program.

You need to install the openpyxl library, type “pip install openpyxl”

# Settup:

## Excel

First thing you must do is to setup the excel sheet to match your questrade account.

This will be the sheet that will be worked on by the script. Ensure all information is accurate.

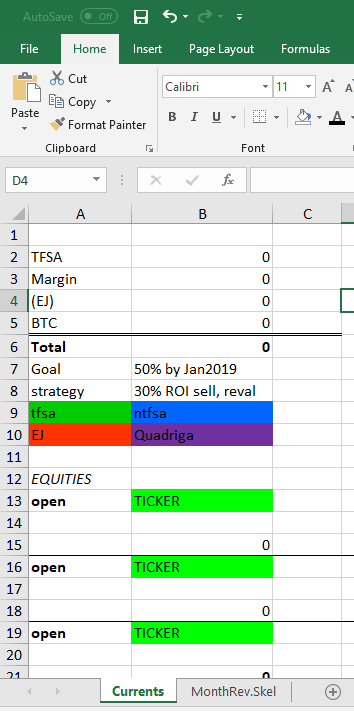
The name for this file and worksheet can be customized by changing the name to your choice and updating the name in “KFI\_Daily.py”. By default the excel file is names “MyTrackers.xlsx” and the default worksheet is “Currents”.

Figure 1 MyTracker skeleton

When you open up the “MyTrackers.xlsx” it will resemble the image in figure 1.

1. Setup your account information, shown as the highlighted section of figure 2. The accounts should be filed in to represent the actual names of the accounts. For example TFSA and Margin are my official questrade names for the account. You can check yours in the app, but it would likely be one of the two.

Notice how (EJ) and BTC are not questrade accounts. (EJ) can be left as default to be zero or deleted. BTC has logic to return your current price in CAD of bitcoins.

The initial funding value of these accounts can be filled in to track progress. Note this is the initial value (how much money you initially invested), not current price.

As shown in the blue circling in figure 2, goal and strategy notes can be filed into these boxes. In the red circling you can set the colour code to help organize the equities owned by account. The contents in these cells do not affect the program.

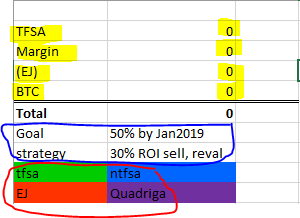


Figure 2 Account Setup

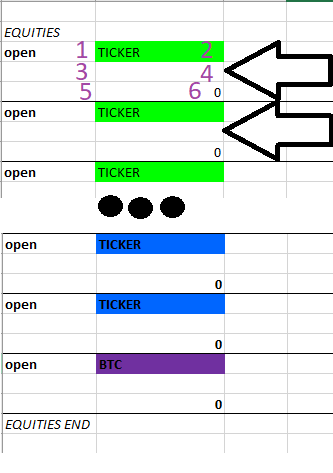


Figure 3 Equity Section

1. Now we get into the equities section marked by EQUITIES :: EQUITIES END. Each equity section takes up a 3x2 cell space. This space can be added by inserting 3 rows in sequence in this section and also deleted by removing 3 rows in sequence. This is shown in figure 3 with the arrows pointing to an equity section.

The 3x2 cell space need a couple of things to setup. The only required fields are cells 2 and 6 as shown in figure 3. Cell 2 needs to have the actual questrade ticker given and field 6 is the price paid for this equity.

1. Open KFI\_Daily.py and find “# User Variables” section. Update file\_name if changed and worksheet\_name if changed. Update num\_accounts if you have > 10 accounts you are tracking. If you are tracking non-questrade accounts, add into non\_qt\_accounts along with static value. Future work will cover more types of accounts. For now bitcoin is accepted, fill out btc\_holdings and add to non\_qt\_accounts.
2. Your excel sheet is now setup. See MyTrackers\_Sample.xlsx for example.

## Script inputs

Next the script itself needs to be updated. Again in the KFI\_Daily.py file navigate to the “# User Variables” section. In addition to the variables previously set, you can change reporting\_currency to CAD or USD. The refresh token is obtained from questrade (<https://login.questrade.com/APIAccess/UserApps.aspx>). Note you must first setup an app with questrade to be able to obtain this refresh code. It should last about a week, but questrade currently has a bug that you will need to get a new one very often. Im in talks to resolve this issue.

# Running script:

Once everything is setup and configured. Try running the script by the following in command line or terminal:

\*note navigate to directory in command line

Python KFI\_Daily.py

This will then run the script with the user inputs including refresh code. It will open the appropriate excel and fill it in and save.

# Future Todo

* change to not make new file but update old
* track equities not in questrade account
* figure out refresh code with questrade
* implement tracking of stocks and alerts
* any considerations from you?
* add functionality for non-portfolio stocks
* add updated earning dates
* implement watch price and tracking
* streaming data