Download and Setup IBridgePy on Windows

Contents

Objective

After completing this document, you will be able to install and run IBridgePy in your windows system.

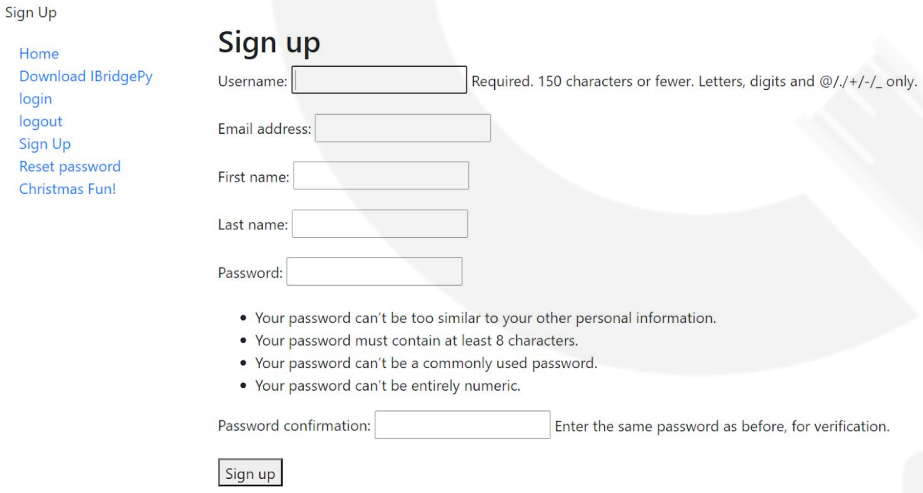
Install Anaconda Python

Before installing IBridgePy, you need to install Anaconda Python in your local system. You can install using this link.

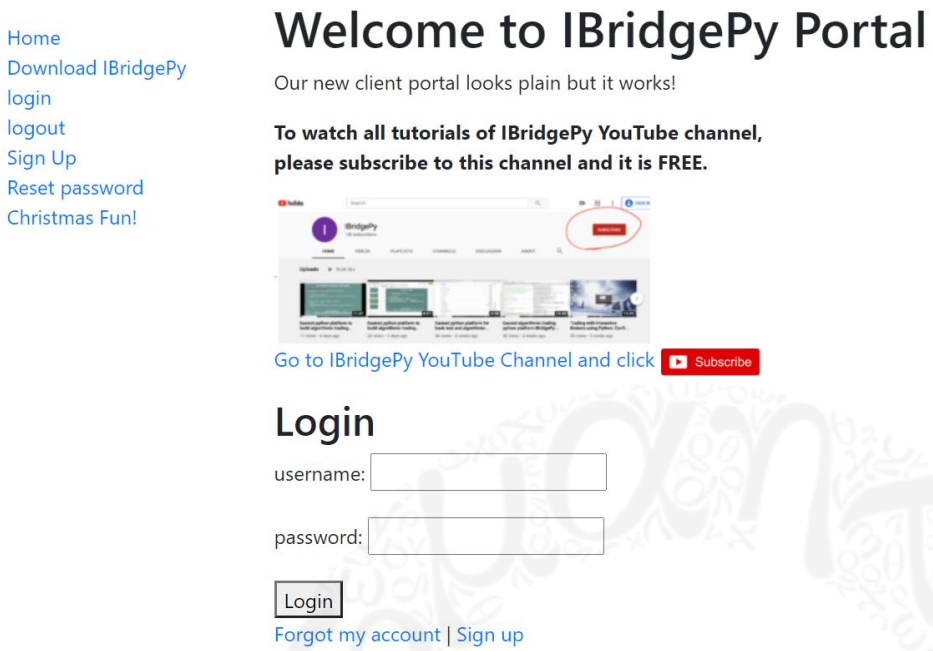
You can see there are two versions: Python 2.7 and Python 3.7. We recommend you to download **Python 3.7**, as going forward Python 2.7 will be deprecated and not supported by IBridgePy. Also, you need to check the specifics of your windows system and accordingly download the 64-bit or 32-bit package.

Download IBridgePy

To download IBridgepy, first, you need to register on the portal here.



After the successful registration, you will be redirected to this page where you can login to your account.



Once you logged in, you will be redirected to this page where there are options to download IBridgePy. You need to scroll down to see the options. You need to choose the IBridgePy version based on your operating system and Python version. For example, if you have Python 3.7 64-bit installed in your system, you need to install **IBridgePy Python 3.7**.

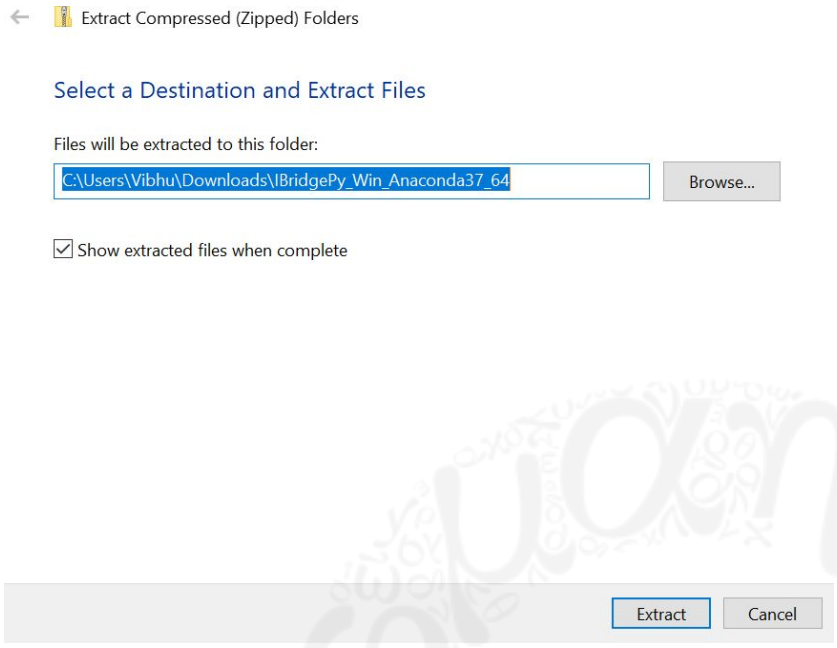
For windows users with Anaconda Python 3.7

>>> IBridgePy_Windows_Anaconda_Python_3.7 <<<

Note: If there is a mismatch in Python and IBridgePy versions, then IBridgePy won't work.

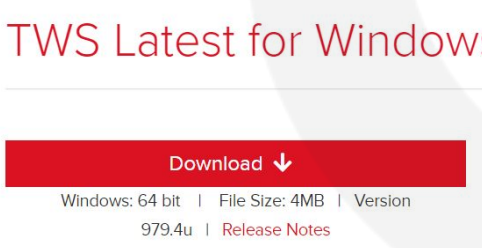
3. Unzip IBridgePy Package

After downloading, unzip IBridgePy in your local folder.



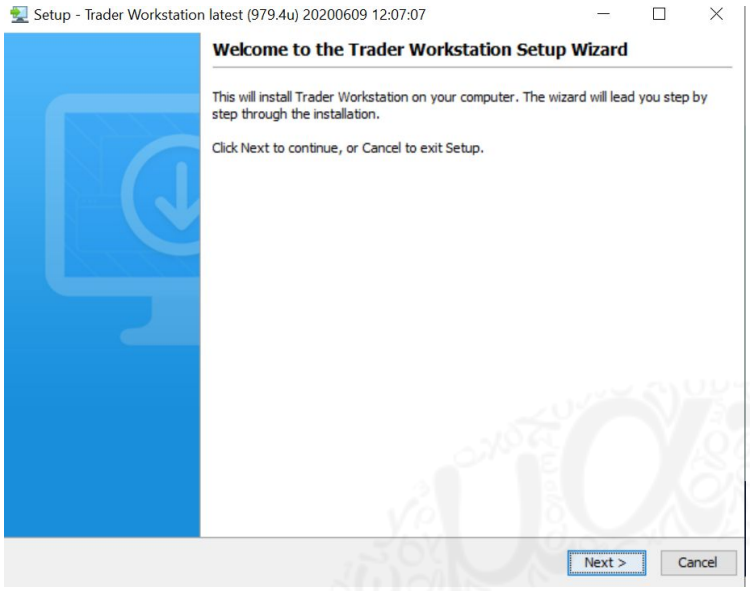
Download IB TradeStation (TWS)

Visit this link to download IB TradeStation.

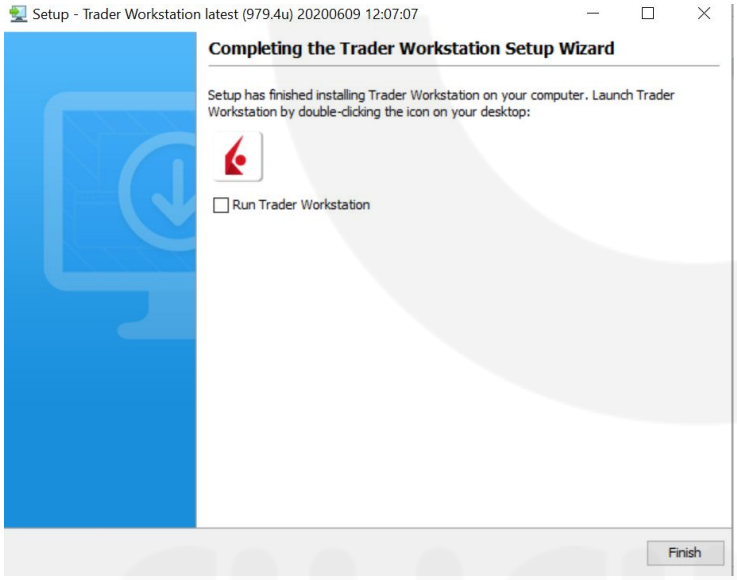


When you click the "Download" button you will see a tab in the bottom left corner of your browser.

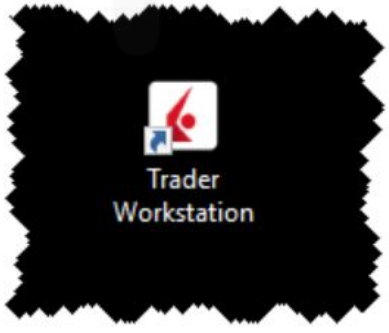
Once you click on the tws...exe download button, a new tab will appear.



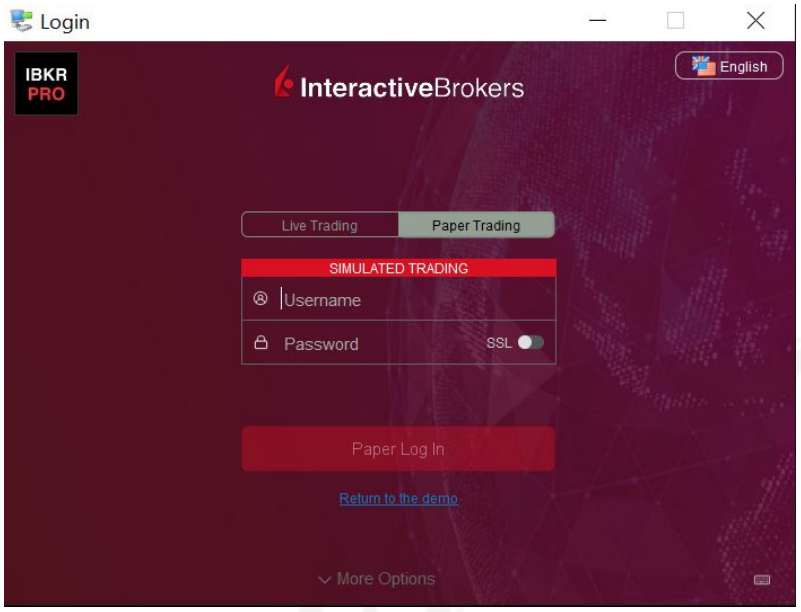
Click the "Next" button on the Setup Wizard to install TWS. Once the installation is complete, a new tab will open.



Click the "Finish" button. A TWS icon is installed on your desktop.



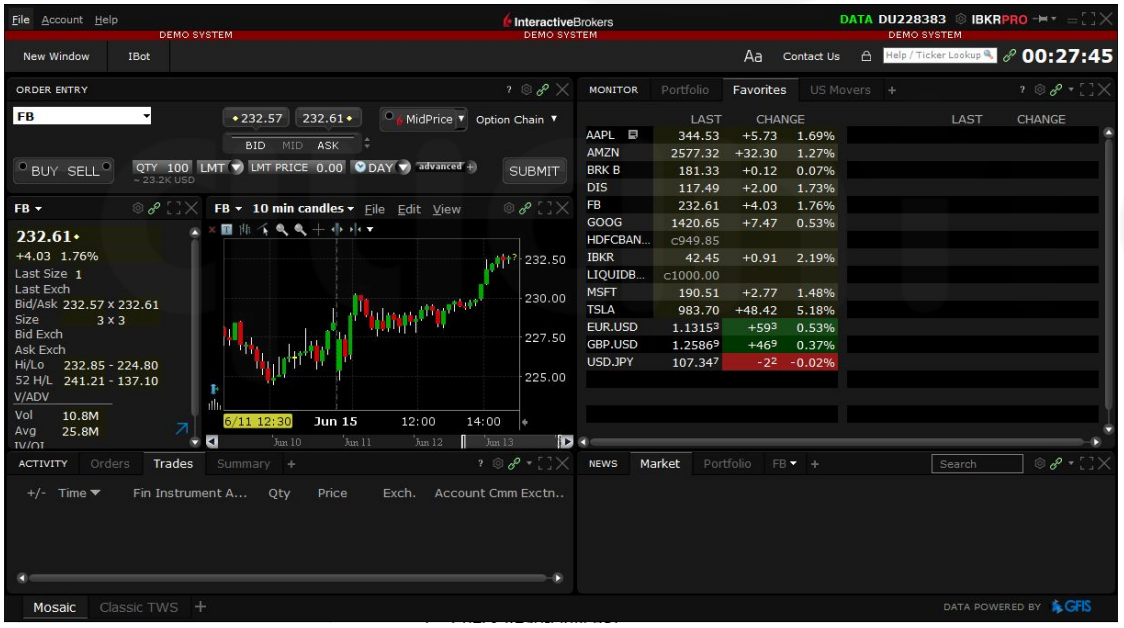
Find the TWS icon on your desktop and double-click to launch the Login box.



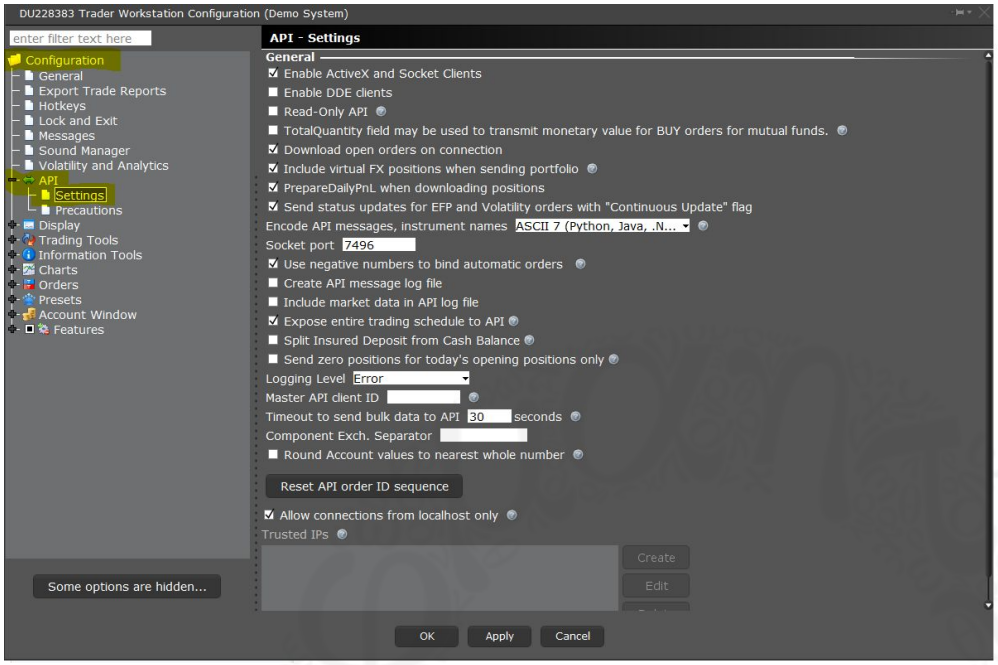
Enter your 'Username' and 'Password' for simulated/paper trading and click on Paper Log In. If you want to proceed with a demo account, click on the 'Return to the demo' and enter your Username. You can also choose live trading, but if you are doing it for the first time, we recommend doing paper trading first.

Configure IB TradeStation (TWS)

To connect IBridgePy with IB TWS, you need to configure IB TWS. Click on the 'File' at top left corner and then click on the 'Global Configuration'.



In the Global Configuration, click on the 'API' then click on 'Setting' and make the following changes.

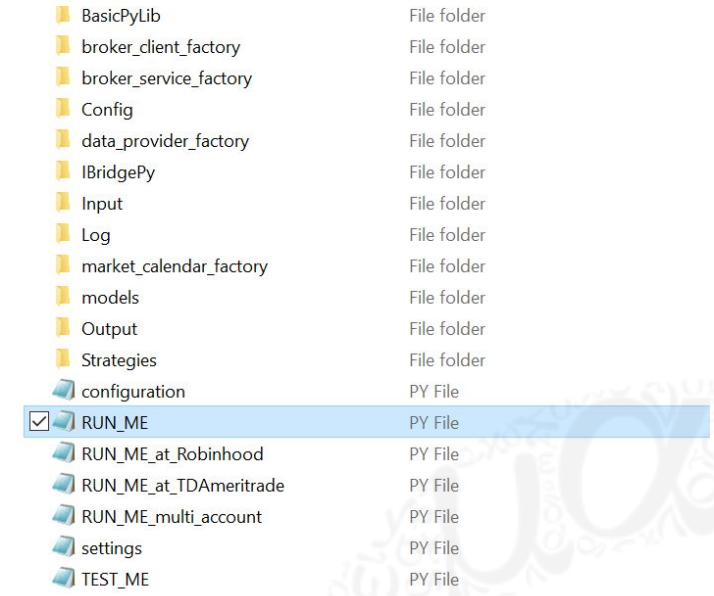


1. Uncheck Read-Only API
2. Check Enable ActiveX and Socket Clients
3. Change the socket port number to 7496
4. Click 'OK' to accept changes

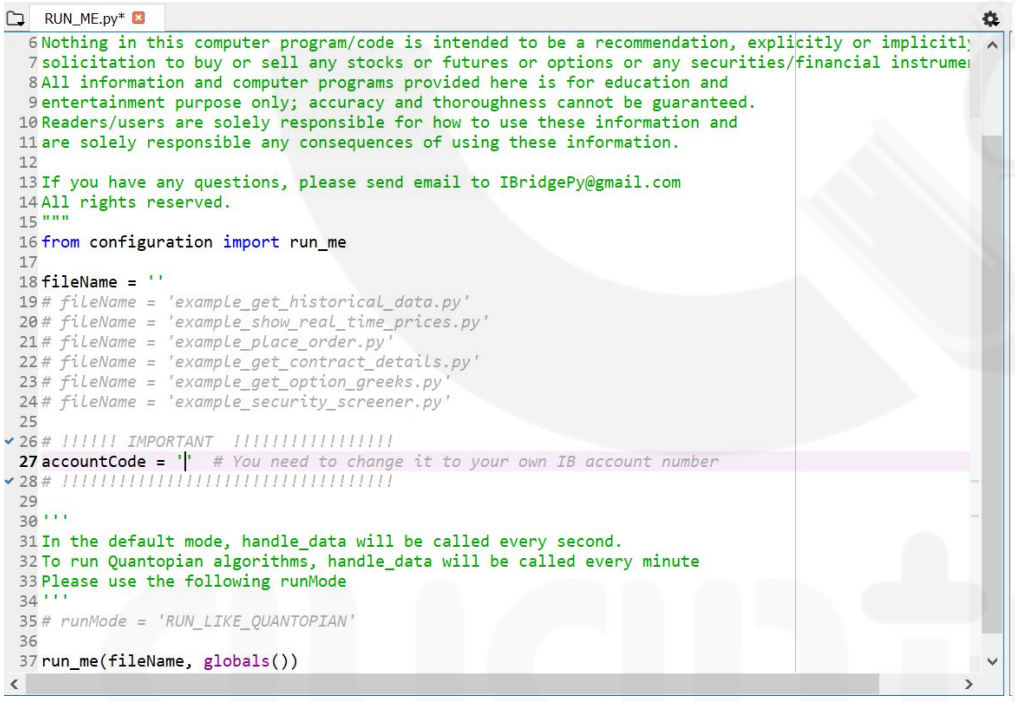
Note: If you are using paper trading, change the socket port number to 7497

Open and Edit Run_ME.py File in Spyder IDE

The last step to connect your Python strategy with IB TWS through IBridgePy is to run RUN_ME.py. RUN_ME.py is a file within the IBridgePy folder.



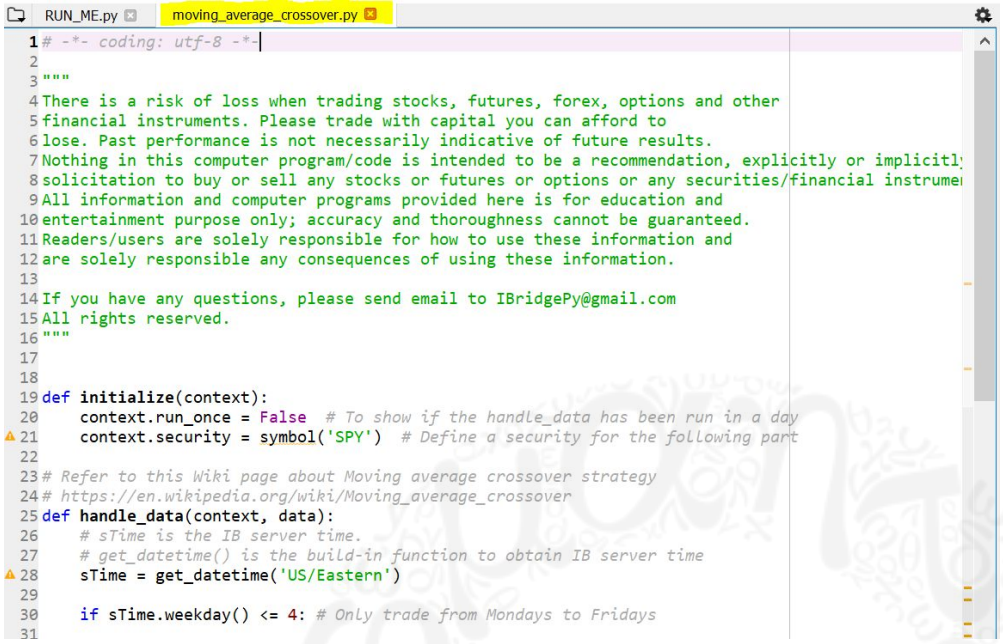
Open RUN_ME.py in Spyder.



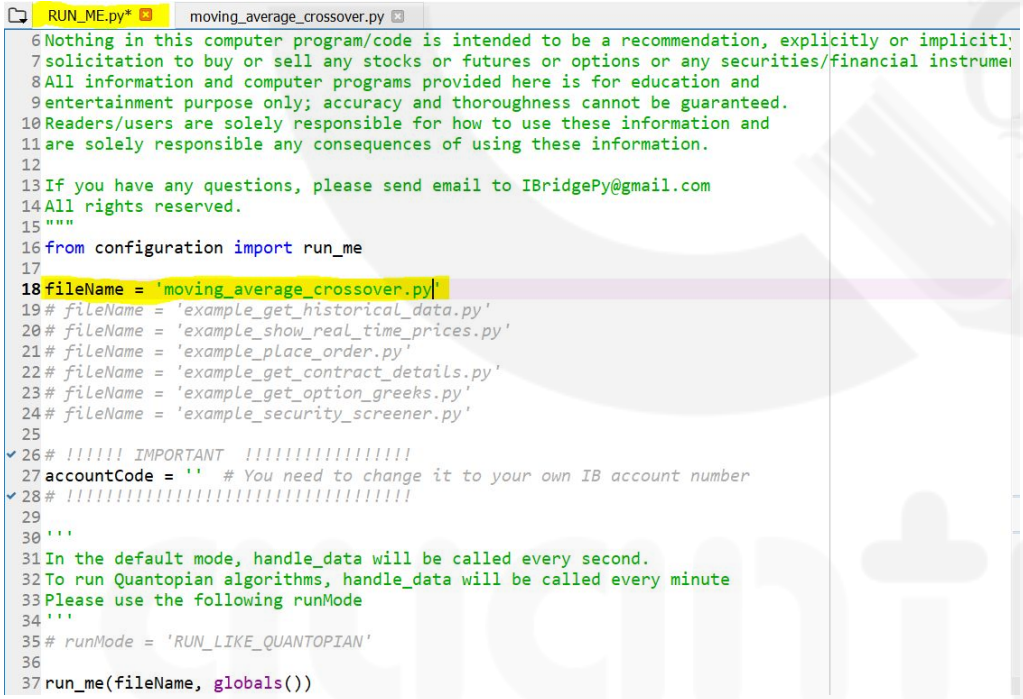
In RUNME.py file, you need to enter things:

1. **fileName**: In the file name, enter the name of the .py file you want to run along with its extension.

   For example, if you want to run moving_average_crossover.py file which is available in the 'Strategies' folder of IBridgePy. First, open moving_average_crossover.py file in the Spyder and run. In Spyder, you can press 'F5' or the green triangle at the top to run a Python script.

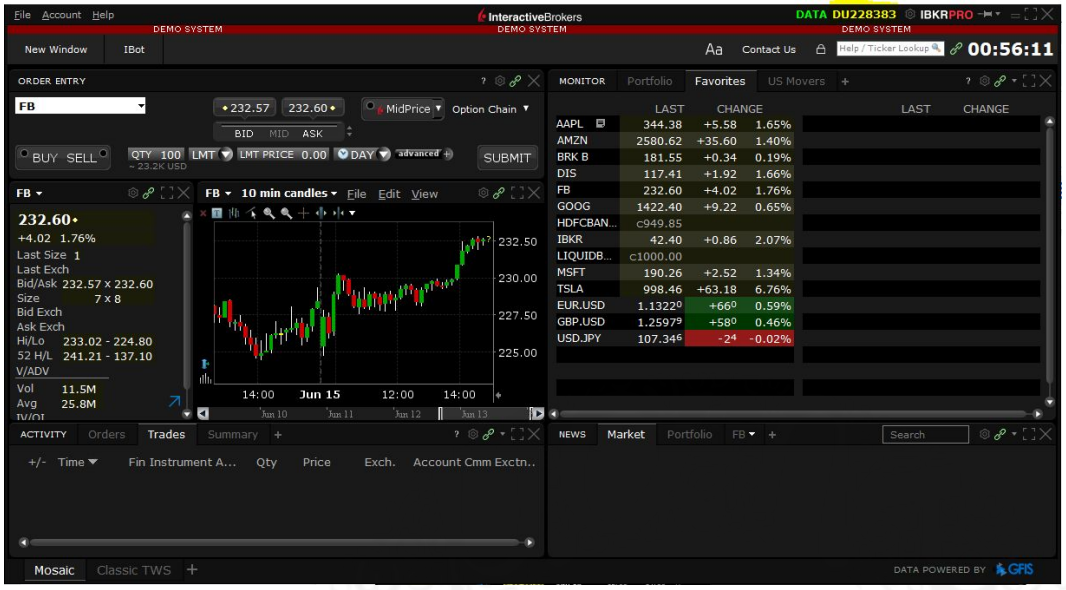


If there is no error in the file, open RUN_ME.py file, enter moving_average_crossover.py in the 'fileName'.



Note: All .py files that you want to run should be saved in the 'Strategies' folder of IBridgePy.

2. **accountCode**: accountCode is the IB account code that you can find at the right corner (besides DATA) of IB TWS. This needs to be updated in the RUN_ME.py file.




```
RUN_ME.py*  moving_average_crossover.py
 6 Nothing in this computer program/code is intended to be a recommendation, explicitly or implicitl
 7 solicitation to buy or sell any stocks or futures or options or any securities/financial instrume
 8 All information and computer programs provided here is for education and
 9 entertainment purpose only; accuracy and thoroughness cannot be guaranteed.
10 Readers/users are solely responsible for how to use these information and
11 are solely responsible any consequences of using these information.
12
13 If you have any questions, please send email to IBridgePy@gmail.com
14 All rights reserved.
15 """
16 from configuration import run_me
17
18 fileName = 'moving_average_crossover.py'
19 # fileName = 'example_get_historical_data.py'
20 # fileName = 'example_show_real_time_prices.py'
21 # fileName = 'example_place_order.py'
22 # fileName = 'example_get_contract_details.py'
23 # fileName = 'example_get_option_greeks.py'
24 # fileName = 'example_security_screener.py'
25
26 # !!!!!! IMPORTANT  !!!!!!!!!!!!!!!!
27 accountCode = 'DU228383'  # You need to change it to your own IB account number
28 # !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
29
30 '''
31 In the default mode, handle_data will be called every second.
32 To run Quantopian algorithms, handle_data will be called every minute
33 Please use the following runMode
34 '''
35 # runMode = 'RUN_LIKE_QUANTOPIAN'
36
37 run_me(fileName, globals())
```

After entering fileName and accountCode in RUN_ME.py file, run the file.

Video Guide to Set up IBridgePy on Windows.

Video Guide to Set up IBridgePy on Mac.

Troubleshooting

1. Read the FAQs which is the next unit
2. For more FAQs visit: https://ibridgepy.com/learn-quant-skills-2/
3. If still not resolved, post on the Quantra community with full error stack trace, Python version, OS detail and IBridgepy version.