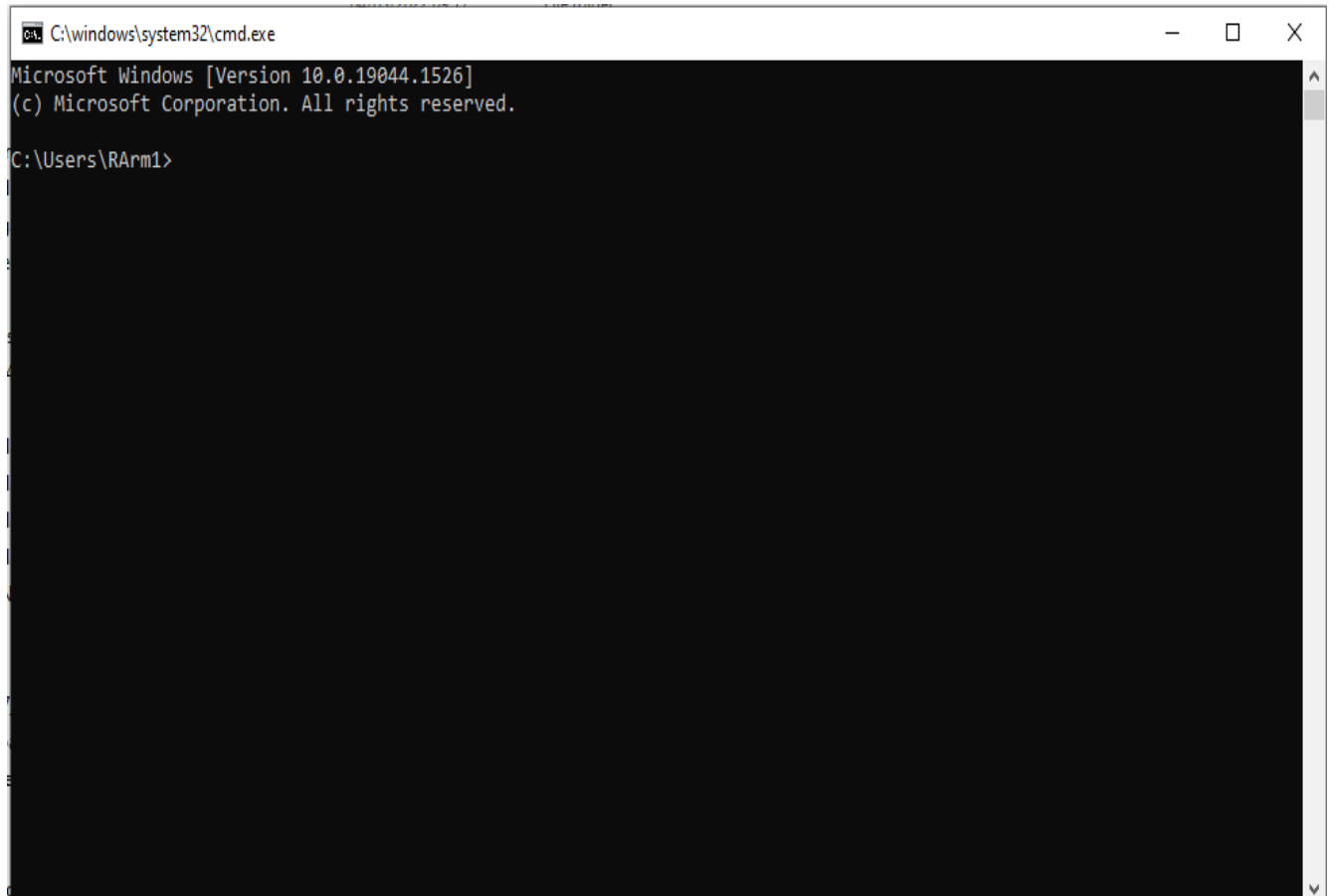


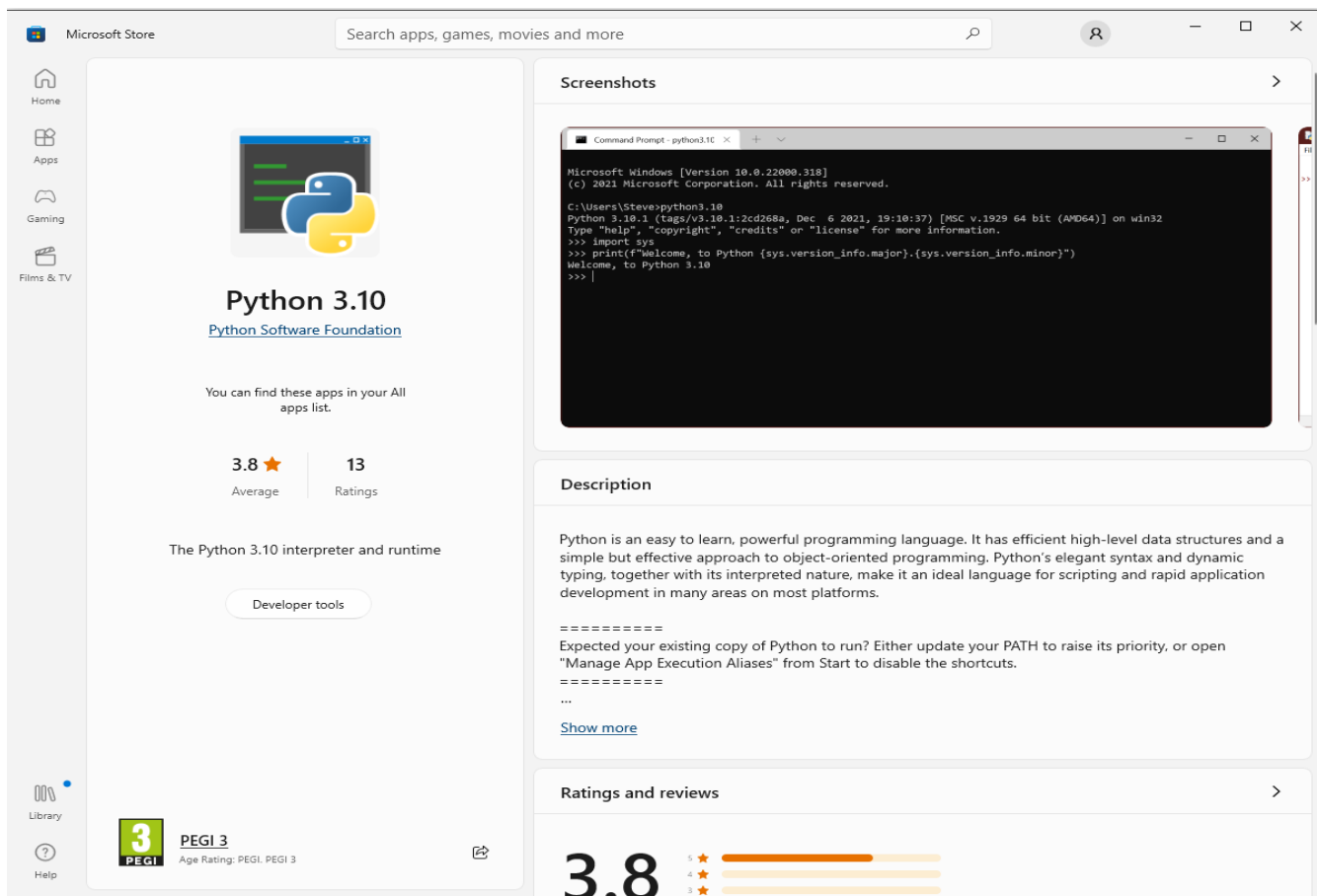
Instructions

In order to run the rebalancer - or the trade reader outside of an IDE several steps must be taken to ensure python can work in console. First open 'Command Prompt'. This can either be done by searching in the Windows menu bar, or by pressing ctrl+r and entering 'cmd' in the Run window. Once this window is open:

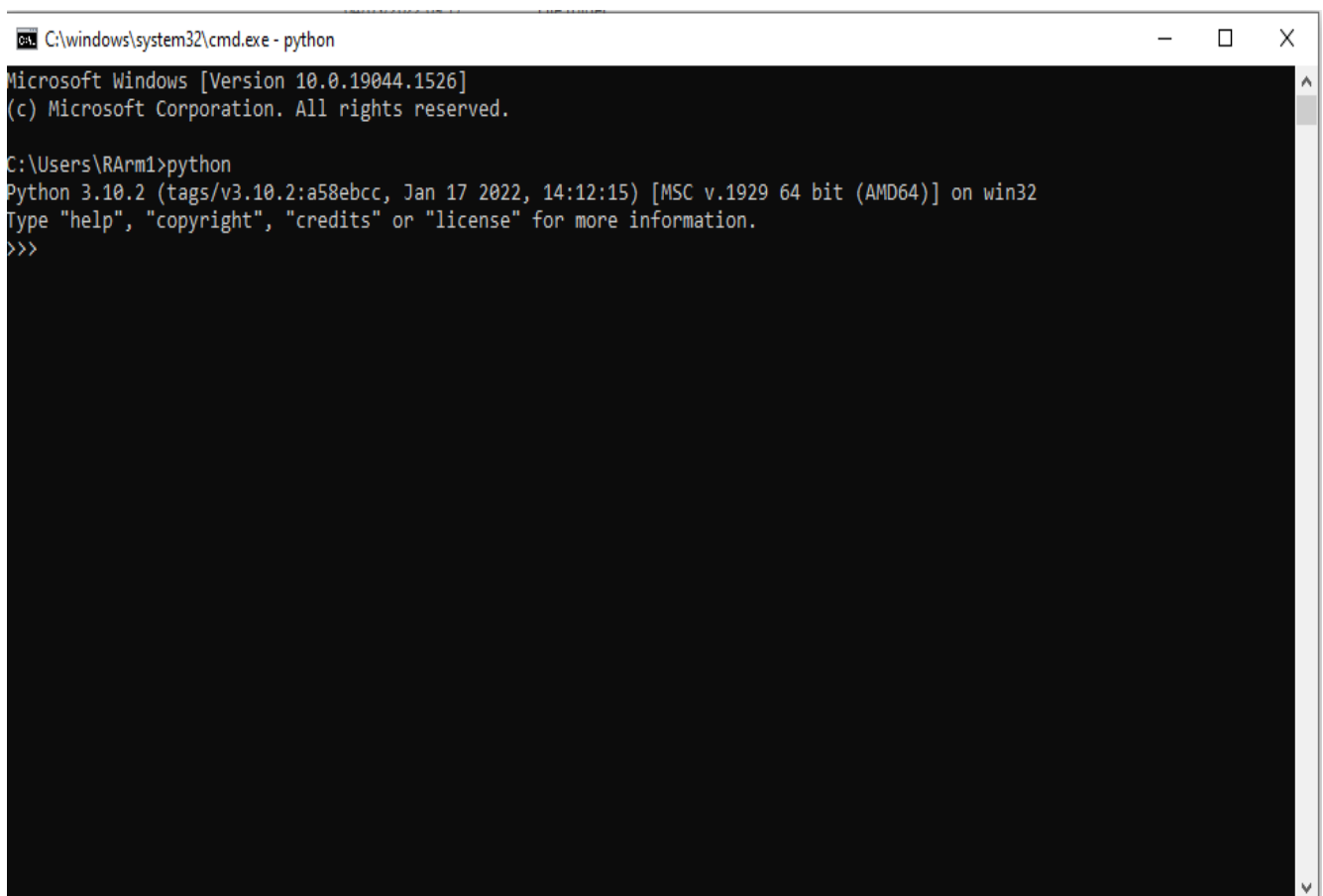


Install Python

To do this type 'python' in the window. If Python is not installed then it will open 'Microsoft Store' and direct the window to the Python download screen.



Once this is installed. Enter 'python' in the console. That will open the Python Virtual Environment.



Python can then be exited with 'ctrl+z' then enter.

Install Required Packages

This program has multiple dependancies to run effectively. Sys, Pandas, Datetime and OpenPyxl. To install these dependancies, the following code can be run.

```
pip install --upgrade pip
pip install sys
pip install os
pip install pandas
pip install datetime
pip install openpyxl
```

Get to the correct directory

Wherever the rebalancer project is installed, copy the Path from Windows Explorer. Enter 'cd path/to/balancer' where path/to/balancer is the copied directory. This runs the 'Change Directory' command and takes the focus to the rebalancer. This can be checked by entering the 'dir' command this runs the Directory command which will list all files.

Running the program

To start the program, enter:

```
python main.py
```

This will then present 2 options. Rebalancing or trade reading.

Trade Reading

Trade reading will take completed rebalancer documents and generate a document for automated trading.

The files used by the trade reading function are:

- trade_reader.py
- trade_writer.py
- file_id_reader.py
- constants.py

Then within the 'constants' folder in the rebalancer project:

- scheme_list_desig.xlsx
- trade_identifier.xlsx

These files can be looking for using the following code, it will alert MISSING if there is a required file not present.

```
IF NOT EXIST trade_reader.py ECHO trade_reader.py MISSING
IF NOT EXIST trade_writer.py ECHO trade_writer.py MISSING
IF NOT EXIST file_id_reader.py ECHO trade_reader.py MISSING
IF NOT EXIST constants.py ECHO constants.py.py MISSING
IF NOT EXIST Constants/scheme_list_desig.xlsx ECHO Constants/scheme_list_desig.xlsx MISSING
IF NOT EXIST Constants/trade_identifier.xlsx ECHO Constants/trade_identifier.xlsx MISSING
```

For this to work correctly there needs to be completed rebalancers in the root directory, and no other .xlsx files.