TASK 1 REPORT

COS30018

INTELLIGENT SYSTEMS

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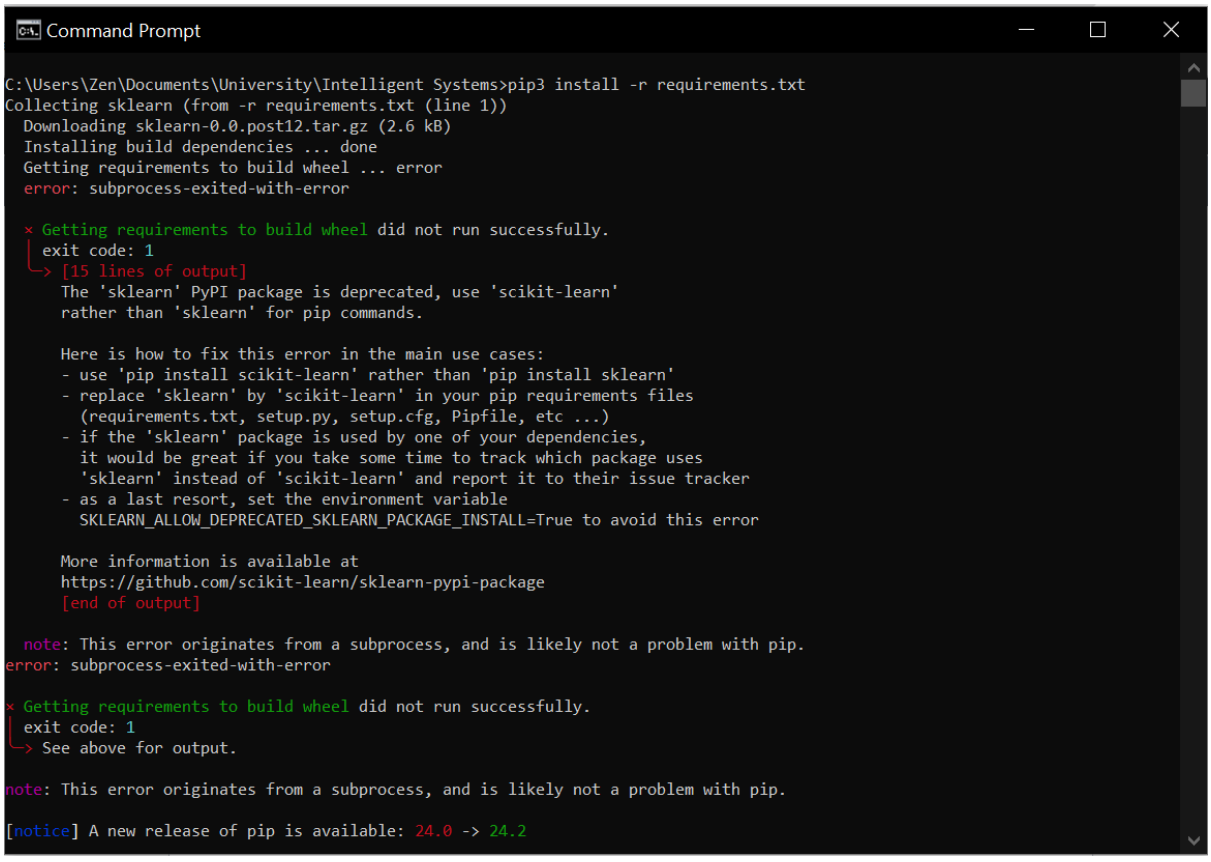
Setup

After installing the various required files, I attempted to install the requirements using the requirements.txt file, which contained the following: sklearn, tensorflow, matplotlib, numpy, pandas, yahoo_fin.

In the command prompt I ran the command: pip3 install -r requirements.txt

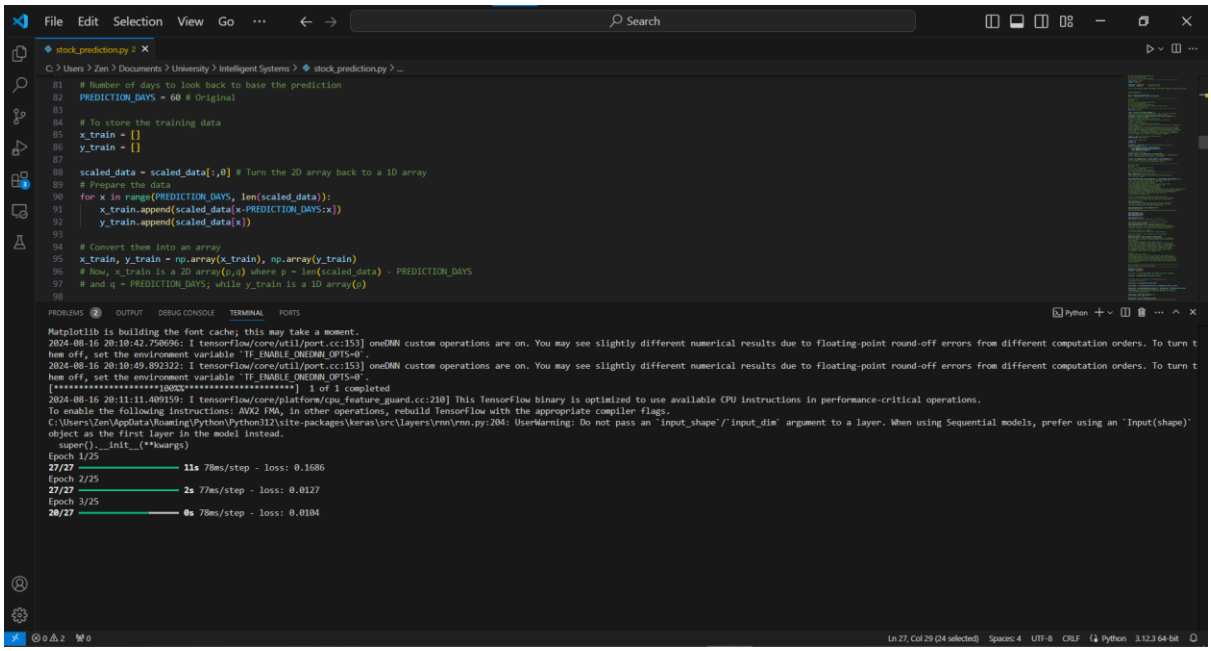
It appeared that there was the following error:

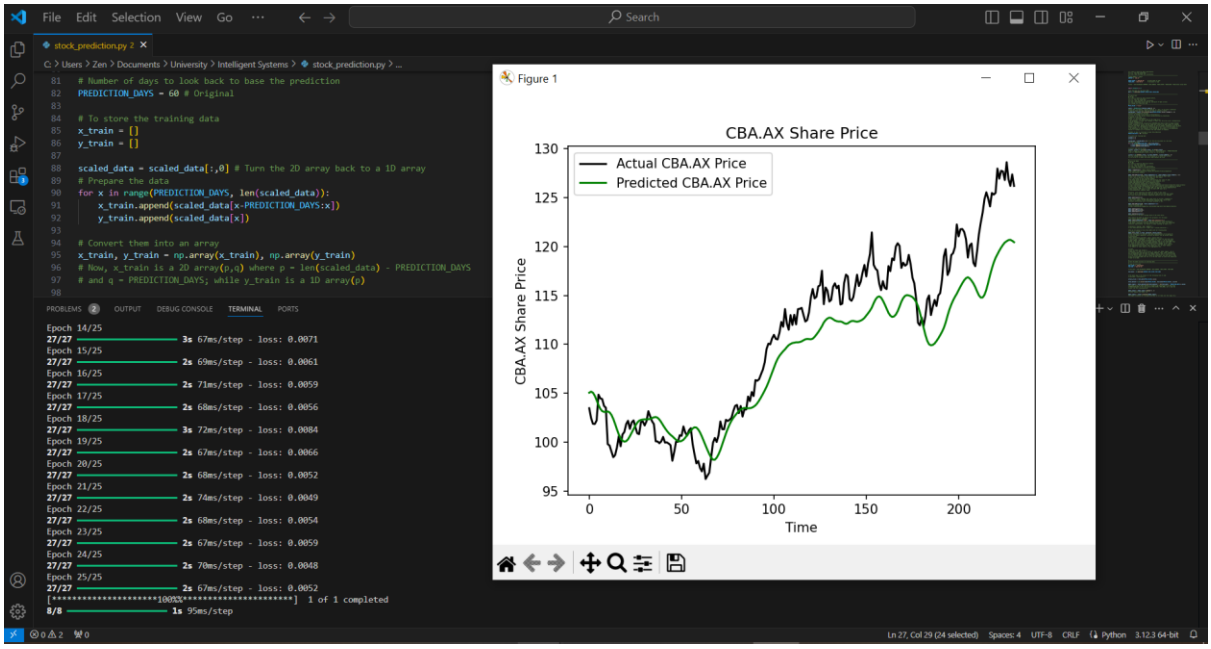


So I modified the requirements.txt file to have scikit-learn as opposed to sklearn, in an attempt to solve the error. In addition to this I changed the command to: py -m pip install -r requirements.txt --user

This seemed to resolve the problem and allow it to install all the requirements as intended.

Running/Testing





Summary

Admittedly, my understanding of the code specifics is limited at this point.

I gather that it is taking stock data from the last 60 days and using LSTM to predict one day further, and can understand the more general steps the code involves (scaling data, training, testing etc).

However, I was somewhat confused with some aspects such as the multiple instances of reshaping dimensions of arrays, and the details such as the LSTM models etc.

In the following weeks I'll try to continue improving my understanding of such aspects.