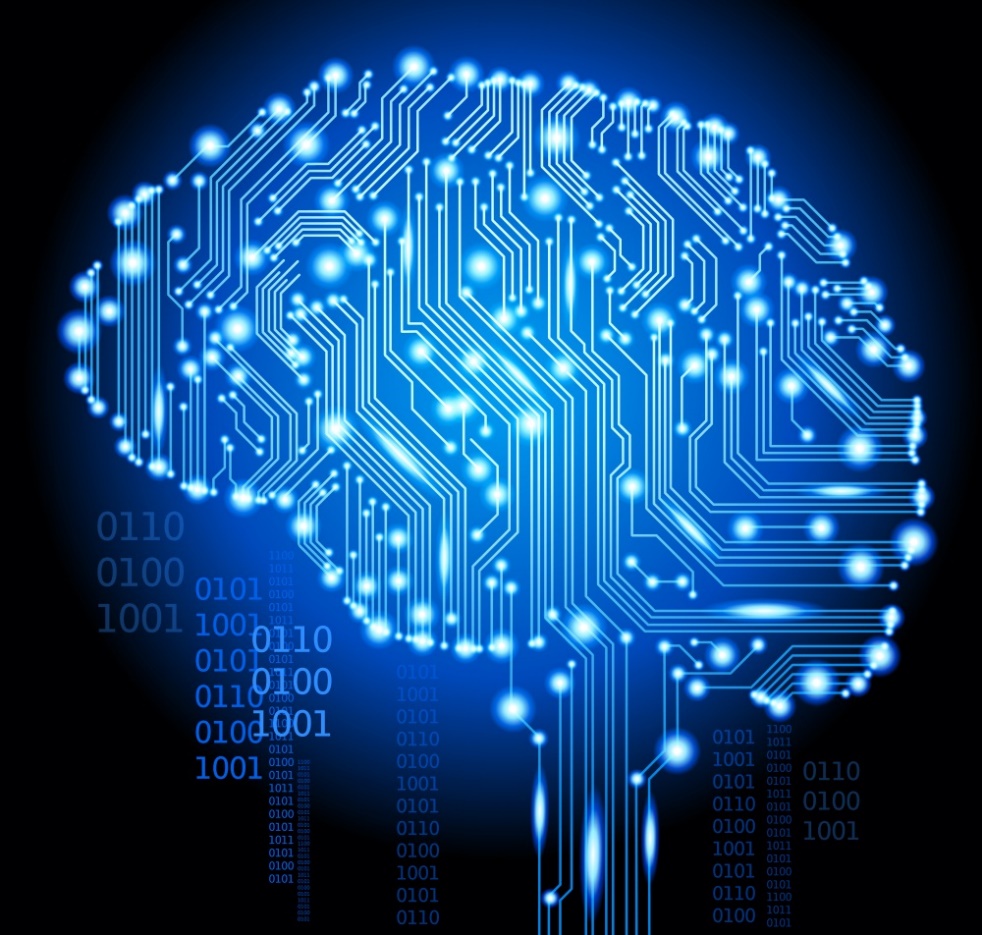


COS30018 – Intelligent Systems

**REPORT**

TASK B1 – SETUP



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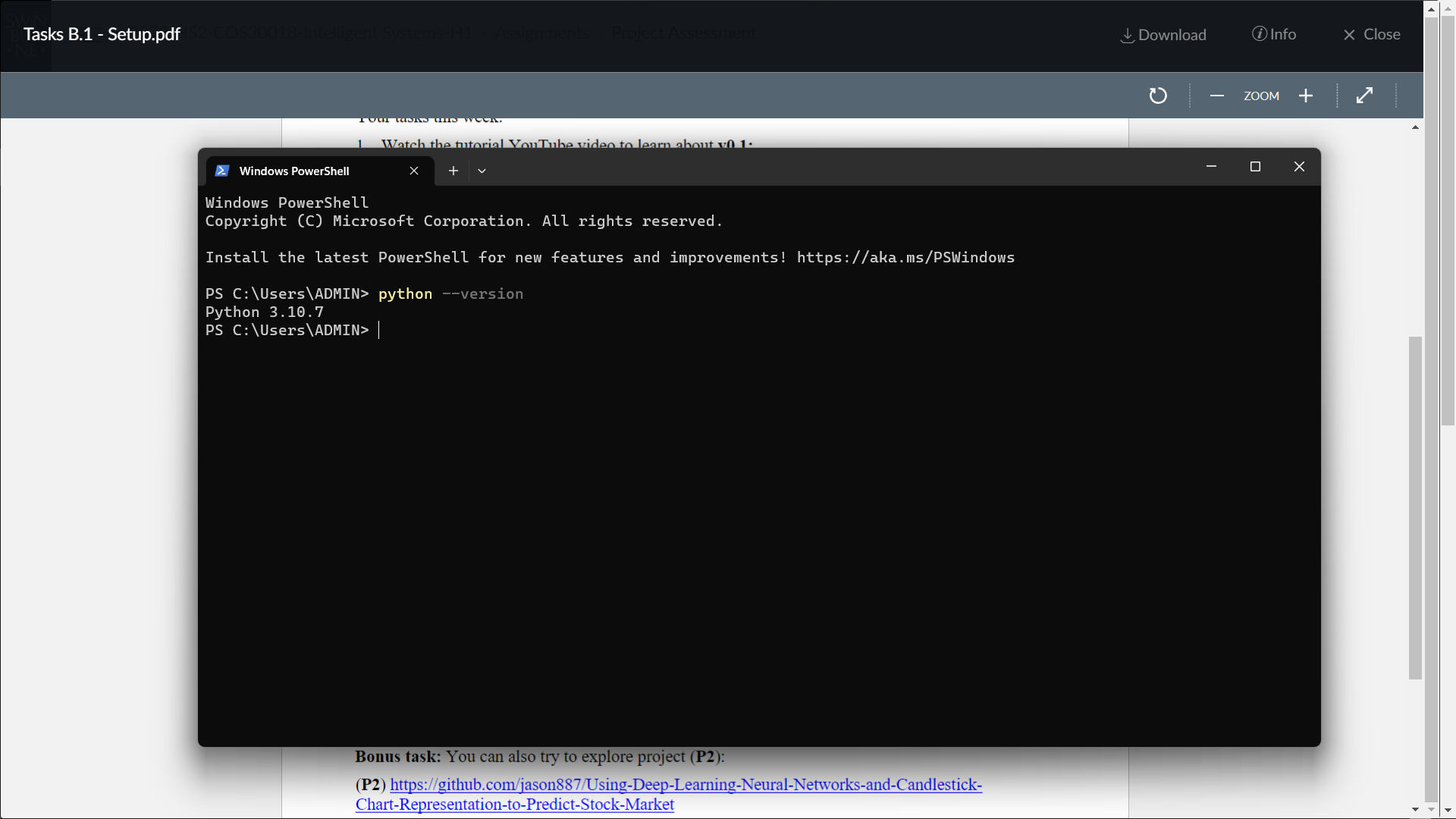
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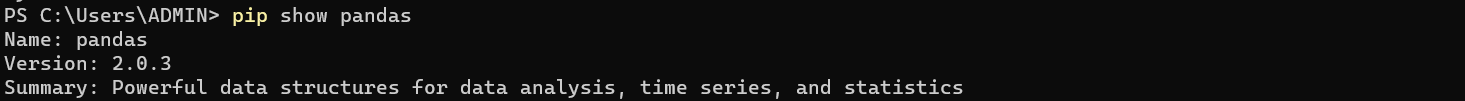
**SETUP**

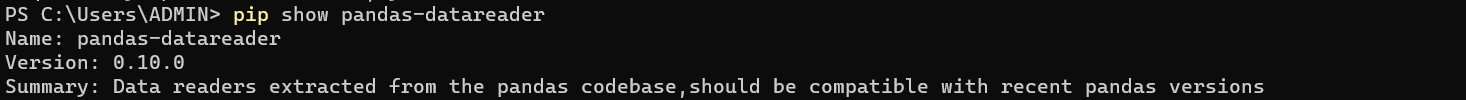
**1. Setup environment on local machine**

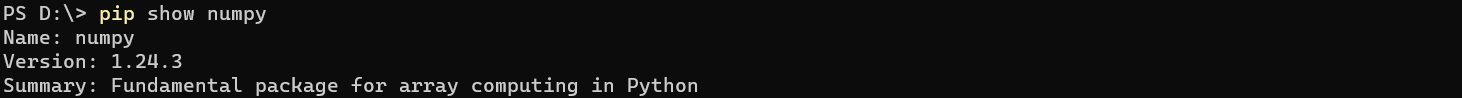
First, I have installed Python, version 3.10.7, from <https://www.python.org/downloads/>

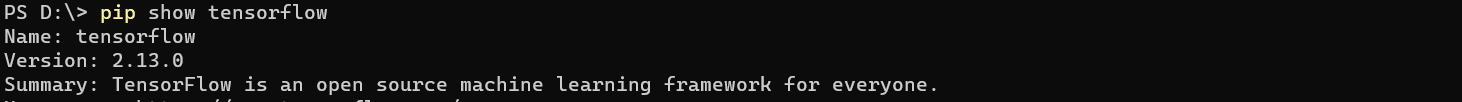
**

Then is the installation of some necessary libraries for the project, including *pandas*, *pandas-datareader*, *numpy*, *tensorflow*, *yfinance* and *scikit-learn* using *pip*:

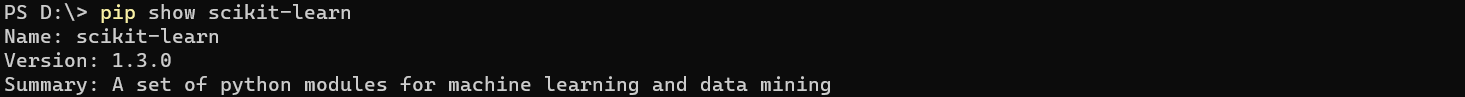








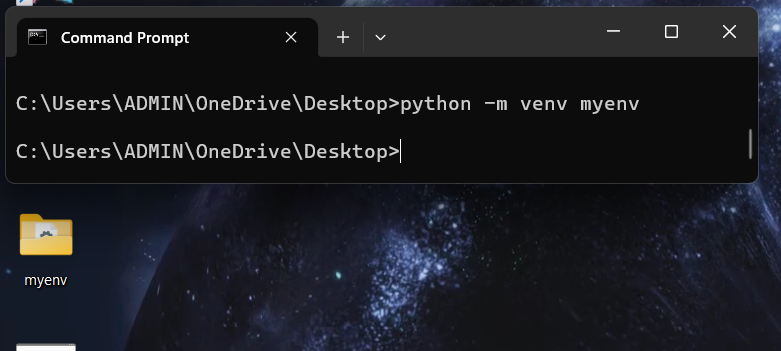




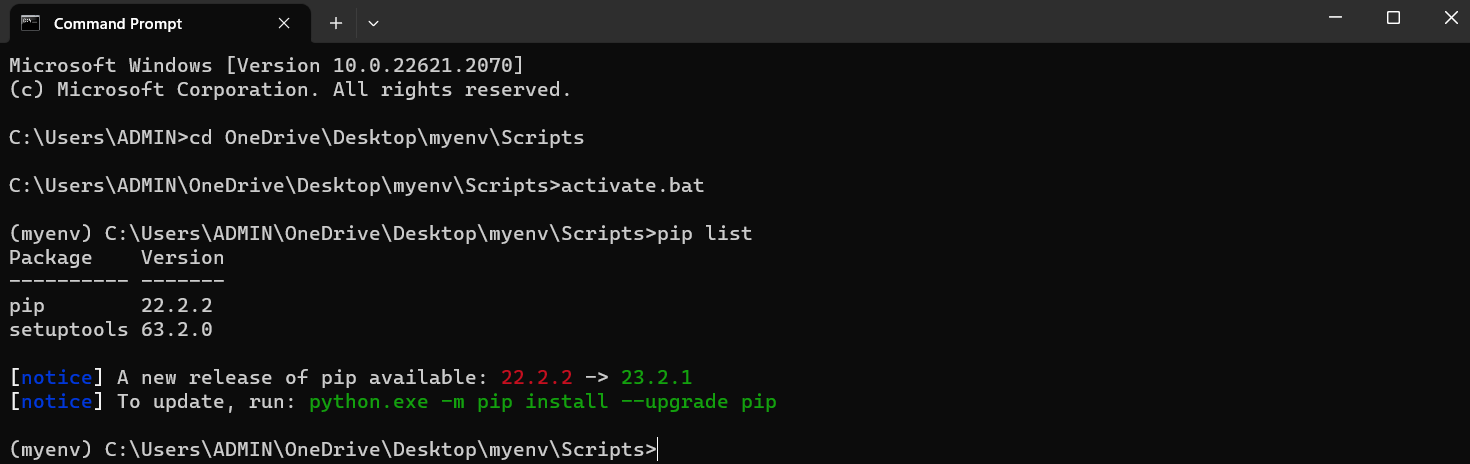
**2. Setup virtual environment**

To create Python virtual environment, I have used the library of *venv* as a common virtual environment library for Python.

I have created a new virtual environment, and named it “myenv”:



To activate the virtual environment, I change the directory into myenv\Scripts, and run the activate.bat file:



Now, It is possible to install Python packages or libraries without affecting the system-wide Python installation in my local machine.

To deactivate it, I run the deactivate.bat instead.



**4. Setup project**

I have setup the GitHub repository for the unit project, clone it to my device, adding “README.md” and “stock\_prediction.py” files to the folder, then commit and push to my repository, through the use of “SOURCE CONTROL REPOSITORIES” tool in Visual Studio Code.

