Python Environment Setup and Installation

Windows

- Step 1: Download the Python 3 Installer
  - Open a browser window and navigate to the [Download page for Windows](#) at [python.org](#).

- Step 2: Run the Installer
  - Make sure to add Path

Linux - Ubuntu

- There is a very good chance your Linux distribution has Python installed already

- But it probably won't be the latest version, and it may be Python 2 instead of Python 3.

- To find out what version(s) you have, open a terminal window and try the following commands:
  - python --version
  - python2 --version
  - python3 –version

- Install Python on Ubuntu 16 and above
  - sudo apt-get update
  - sudo apt-get install python3.6

PIP

- Pip enables 3rd party package installations.
- Installing Pip
  - Download get-pip.py to a folder on your computer.
    - https://bootstrap.pypa.io/get-pip.py
  - Open a command prompt and navigate to the folder containing get-pip.py.
  - Run the following command:
    - python get-pip.py
  - Pip is now installed!
- Verify: pip –V
- Upgrading PIP for Python on Windows
  - python -m pip install --upgrade pip
- Downgrade PIP Version
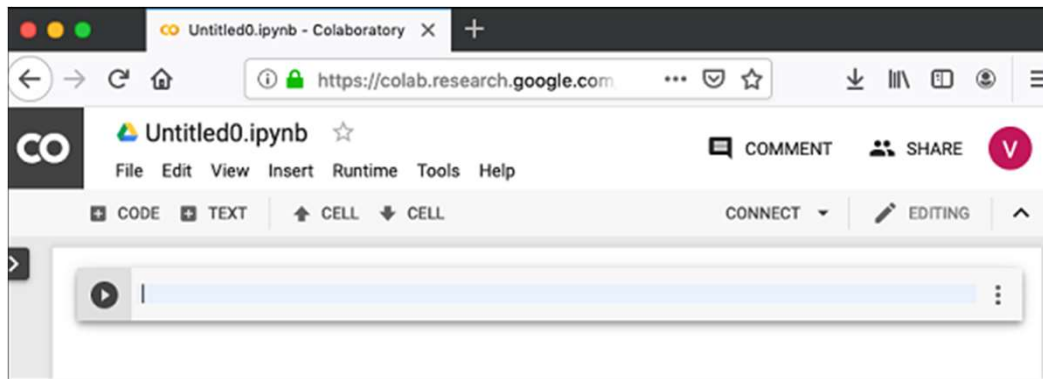 - python -m pip install pip==18.1

PIP on Ubuntu

- sudo apt update

- sudo apt install python3-pip

- pip3 –version

- Using Pip
  - pip install <package_name>
  - pip uninstall <installed_package_name>

  - pip3 install scrapy==1.5
  - pip3 install -r requirements.txt
  - pip3 list
  - pip3 install --upgrade package_name

Installing and Launching Jupyter

- python –m pip install –upgrade pip

- # Optionally install Virtual Environment

- pip install Jupyter
- jupyter notebook
- jupyter notebook --ip 0.0.0.0 --port 8888

Google Colab

- Login to Google Drive

- Visit - https://colab.research.google.com/notebooks/welcome.ipynb

- Click on the NEW PYTHON 3 NOTEBOOK link at the bottom of the screen.

- A new notebook would open up as shown in the screen below.

Our Development Environment on Cloud

- We have setup the development environment on the cloud.
- Refer to below details to access:
  - http://vmubuntu20.eastus2.cloudapp.azure.com/
  - Username: u<n>
    - Example:
      - u1
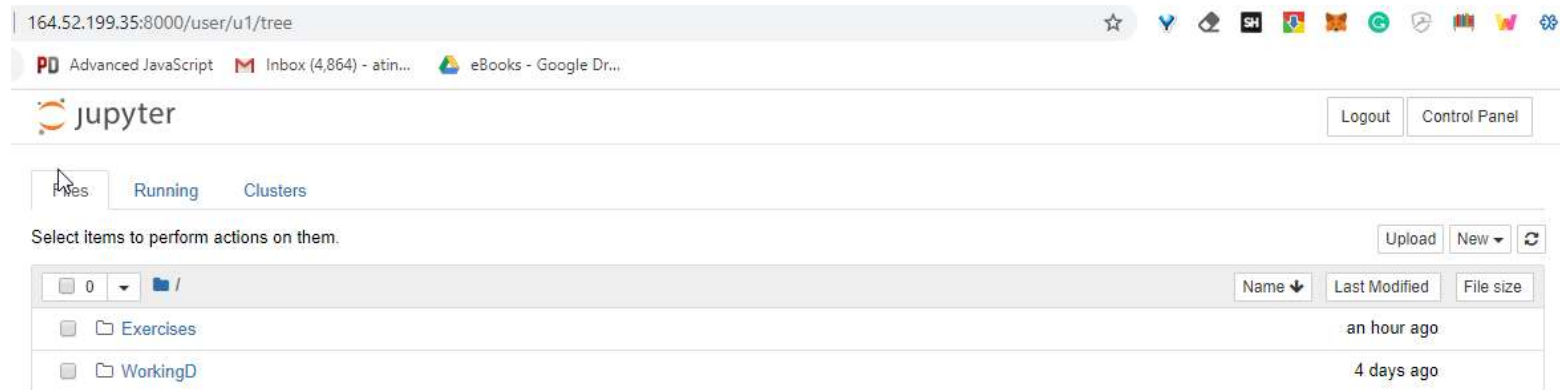   - u2
      - u3
      - .
      - .
      - u22
  - Password:
    - Azure@123456

Thanks