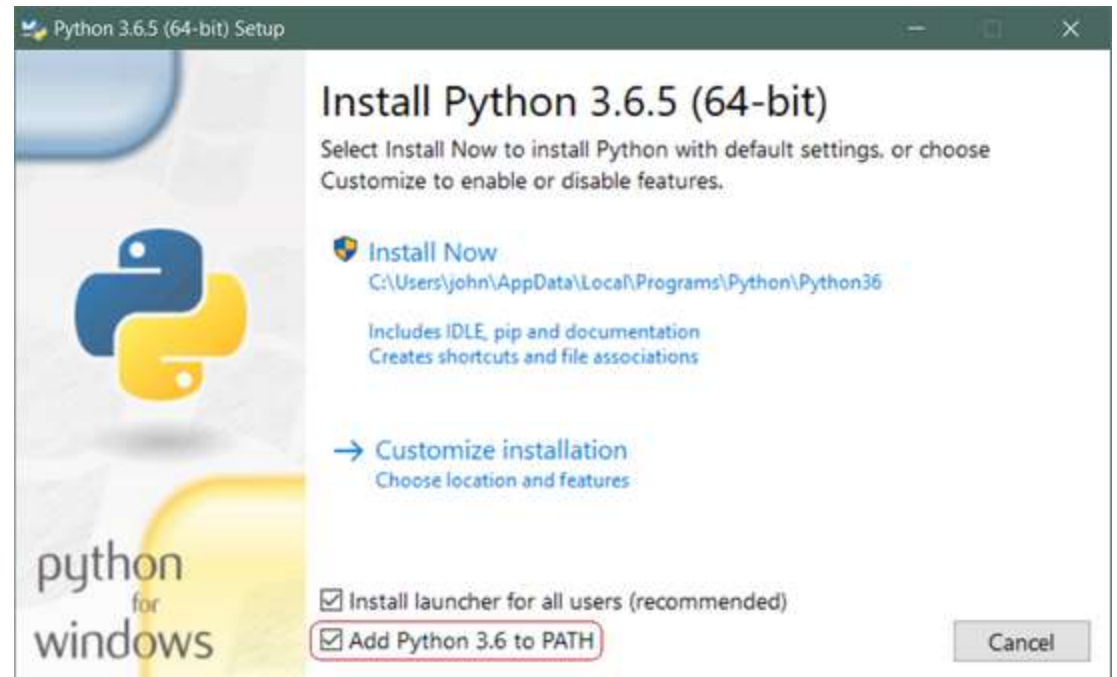


Python Environment Setup and Installation

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

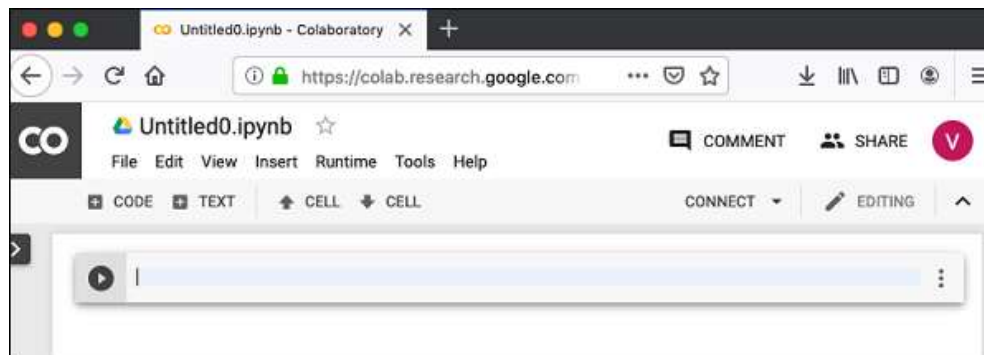
- `sudo apt update`
- `sudo apt install python3-pip`
- `pip3 --version`
- Using Pip
 - `pip install <package_name>`
 - `pip uninstall <installed_package_name>`
 - `pip3 install scrapy==1.5`
 - `pip3 install -r requirements.txt`
 - `pip3 list`
 - `pip3 install --upgrade package_name`

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://pythonvm.westus.cloudapp.azure.com:8000>

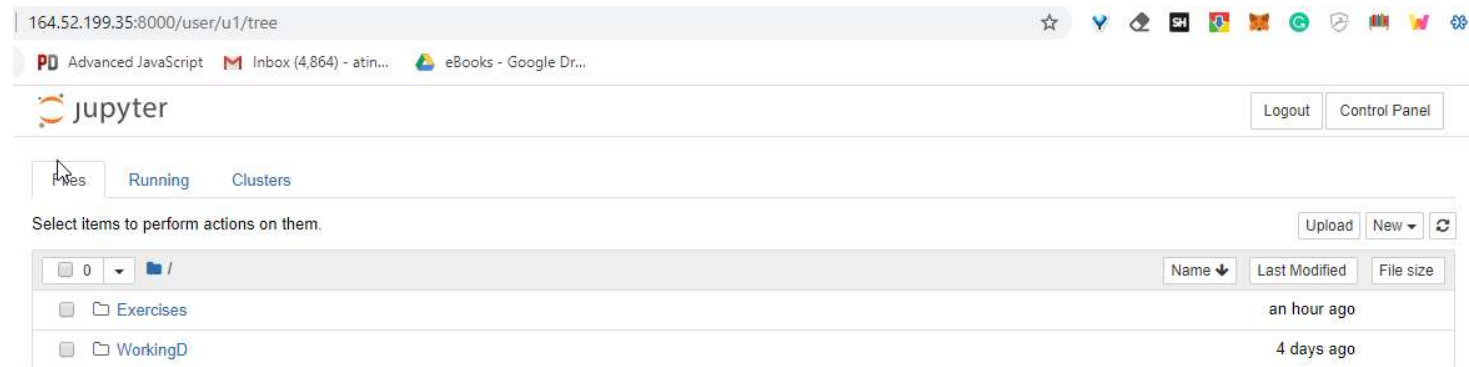
- Username: u<n>

- Example:

- u1
- u2
- u3
- .
- .
- u22

- Password:

- p



Thanks