How to Use Jupyter Notebook

Python Programming

Introduction to Anaconda

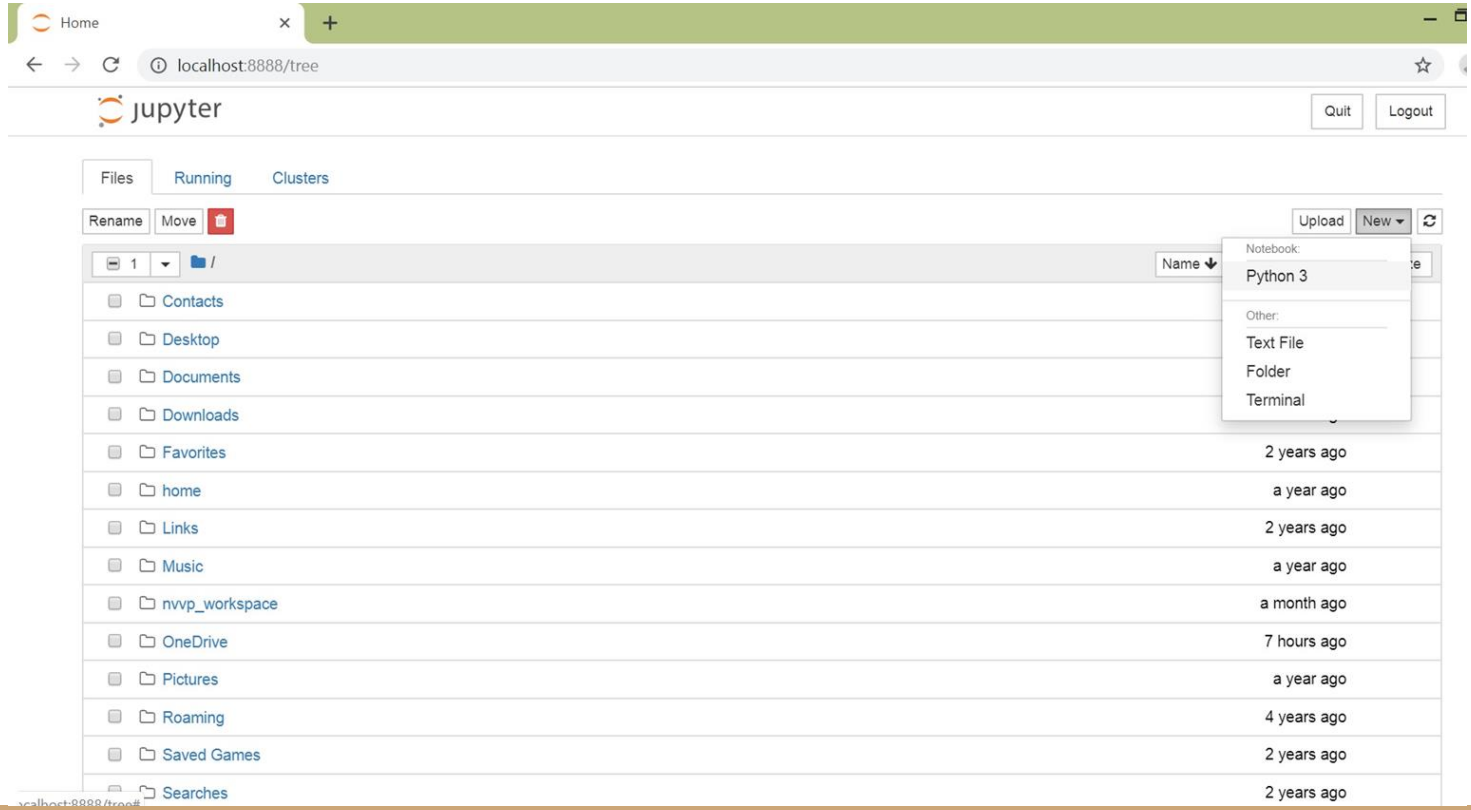
- It is a distribution for Python and R computation.
- It allows data analytics using jupyter notebook, spider, SciPy, Conda, and many more.
- The website for Anaconda is : https://www.anaconda.com/
- It gives us a command line and a GUI based application to access the anaconda software.

Introduction to Jupyter Notebook

- Let us begin with a brief description of Jupyter notebook for Python Programming
- Jupyter Notebook is open-source web application to create documents that contain live code, equation and narrative text
- The website for jupyter notebook is : https://jupyter.org/
- We can start jupyter notebook using start menu or by typing “Jupyter Notebook”
- After that default system browser will open the server for jupyter notebook

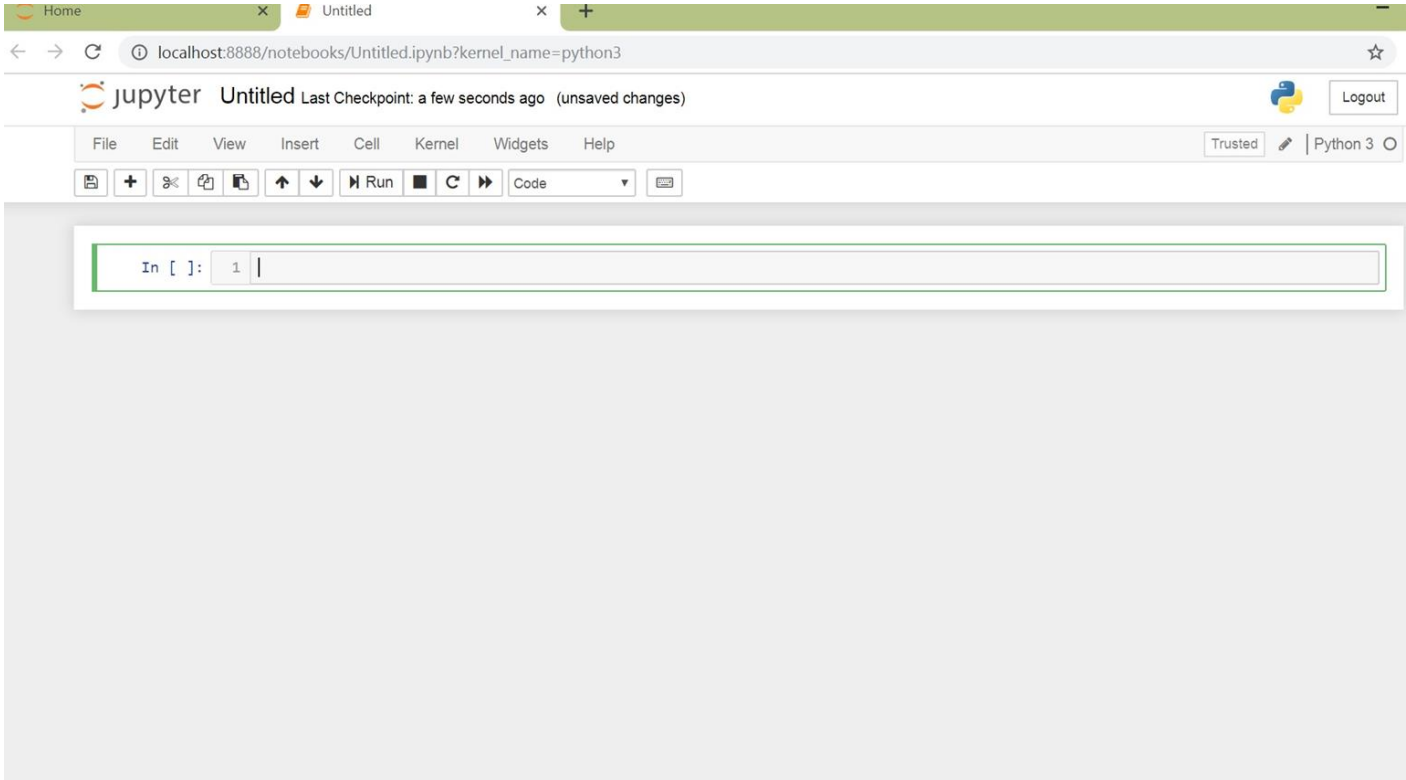
Create New Python Notebook

We can create new notebook file by clicking on "*New*" tab menu available on the right side of home page



Notebook Scripting Page

This is an Untitled notebook. You can change the name of notebook by clicking on *Untitled* written on the top-left corner of the notebook



Basic Tips

- In Jupyter Notebook, each code piece and text is written using a cell. You can see a 'Cell' menu above.
- To start your program, you need to insert a cell using the insert menu given above. Then use the same menu to select a submenu 'cell type'. Use 'Code' option if you wish to insert a code, and use 'Markdown' menu in case you wish to write a text
- When you want to write a code, first insert a cell, select the cell type to be 'code', write your small code piece, and run the code using the run command shown above or use 'run Cells' from the cell menu.
- When you run the cell, that returns some output, then the output \error will be displayed at the bottom of the cell.