



1 The procedure to install Python on Ubuntu Linux OS

1. To follow the installation procedure, you need to be connected to the internet.
2. You must have **Synaptic Package Manager** installed on your machine.
3. If not installed, please install **Synaptic Package Manager** using **Ubuntu Software Center**.

1.1 The procedure to install Python

1. On Ubuntu 10.04 - Click on **System >> Administration >> Synaptic Package Manager**.
2. On Ubuntu 11.04 and higher,
 - (a) Press the **Window** key on your keyboard to open **DashHome**.
 - (b) Type **Synaptic Package Manager**.
 - (c) Click on the **Synaptic Package Manager** option.
3. Enter your password.
4. Click on **OK**.
5. In the search box type **Python**.
6. Click on the **python** check box and click on **Mark for Installation**.
7. Click on **Mark**.
8. Then clear the search box and type **ipython**.
9. Click on the **ipython** check box and click on **Mark for Installation**.
10. Click on **Mark**.
11. Again clear the search box and type **python-numpy**.
12. Click on the **python-numpy** check box and click on **Mark for Installation**.
13. Click on **Mark**.
14. Again clear the search box and type **python-matplotlib**.
15. Click on the **python-matplotlib** check box and click on **Mark for Installation**.
16. Click on **Mark**.
17. Finally, click on **Apply**.
18. Again, click **Apply** for installation.
19. The installation will take a few minutes depending on your internet speed.

1.2 The procedure to check Python installation

1. Open the terminal by pressing **Ctrl + Alt + T** keys together.
2. Now in the terminal type **ipython** and hit **Enter**.
3. This will open the **ipython console**.
4. To exit from **ipython console**, type **quit**.
5. This will bring you back to the terminal.

2 The procedure to install Python on Windows OS

1. Please download the executable files from the given links
 - a) python-2.7
<http://www.python.org/ftp/python/2.7.5/python-2.7.5.msi>
 - b) ipython-0.10
<https://pypi.python.org/packages/2.6/i/ipython/ipython-0.10.win32-setup.exe>
 - c) numpy-1.7
<https://pypi.python.org/packages/2.7/n/numpy/numpy-1.7.1.win32-py2.7.exe>
 - d) matplotlib-1.2
<https://github.com/downloads/matplotlib/matplotlib/matplotlib-1.2.0.win32-py2.7.exe>
2. Please install these files in the above mentioned order.
3. Double-click on the files and follow all the instructions to install the packages.
4. If you have any problem in installing on Windows OS, kindly mail us at : contact@spoken-tutorial.org

2.1 The procedure to check Python installation

1. To check all the packages installed on your machine, click on Start>>All Programs.
2. Check whether "ipython" folder is available.
3. Also ensure that the "ipython" folder contains "ipython, pylab" and "scipy".
4. If not, kindly re-install the missing packages.