



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 11.04 and higher,
 - (a) Press the **Window** key on your keyboard to open **Dash Home**.
 - (b) Type **Synaptic Package Manager**.
 - (c) Click on the **Synaptic Package Manager** option.
2. Enter your password.
3. Click on **OK**.
4. In the search box type **Python**
5. Click on the **python** check box and click on **Mark for Installation**.
6. Click on **Mark**.
7. Then clear the search box and type **ipython**
8. Click on the **ipython** check box and click on **Mark for Installation**.
9. Click on **Mark**.
10. Again clear the search box and type **python-numpy**
11. Click on the **python-numpy** check box and click on **Mark for Installation**.
12. Click on **Mark**.
13. Again clear the search box and type **python-matplotlib**
14. Click on the **python-matplotlib** check box and click on **Mark for Installation**.
15. Click on **Mark**.
16. Finally, click on **Apply**.
17. Again, click **Apply** for installation.
18. 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 press **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** & **scipy**.
4. If not, kindly re-install the missing packages.