SETUP LINKS

1. TESSERACT :

Source : <http://opencv-code.com/tutorials/how-to-integrate-tesseract-ocr-and-opencv/>

Steps :

sudo apt-get install tesseract-ocr tesseract-ocr-eng libtesseract-dev libleptonica-dev

Check your Tesseract installation by typing pkg-config --cflags --libs tesseract in your command line. It should output something like this:

-I/usr/local/include/tesseract -I/usr/local/include/loptonica/. -L/usr/local/lib -ltesseract -llept –pthread

b.

Source : <https://code.google.com/p/python-tesseract/>

Ubuntu Trusty x64 -[python-tesseract\_0.9-0.5ubuntu0\_amd64.deb](https://bitbucket.org/3togo/python-tesseract/downloads)

Or

wget https://bootstrap.pypa.io/ez\_setup.py -O - | python  
#sudo easy\_install https://bitbucket.org/3togo/python-tesseract/downloads/python-tesseract\_0.8-3.0-py2.7\_macosx-10.9-intel.egg  
easy\_install https://bitbucket.org/3togo/python-tesseract/downloads/python\_tesseract-0.9.1-py2.7-macosx-10.10-x86\_64.egg  
#### for homebrew<--- no need to use "sudo"

Or

svn checkout http://python-tesseract.googlecode.com/svn/trunk/src python-tesseract  
cd python-tesseract  
python setup.py clean  
python setup.py build  
python setup.py install  
export PYTHONPATH="/usr/local/lib/python2.7/site-packages:$PYTHONPATH"  
cd test-slim  
python test.py

Or

sudo easy\_install <https://python-tesseract.googlecode.com/svn/trunk/src/dist/python_tesseract-0.9-py2.7-macosx-10.10-x86_64.egg>

If the above two method fails then try these :

c. <https://code.google.com/p/python-tesseract/wiki/HowToCompile>

d. <http://packages.ubuntu.com/precise/tesseract-ocr>

e. <https://code.google.com/p/tesseract-ocr/wiki/Compiling>

f. <http://askubuntu.com/questions/605938/tesseract-ocr-configure-triggering-error-leptonica-not-found>

1. PIL :

<http://askubuntu.com/questions/156484/how-do-i-install-python-imaging-library-pil>

> sudo apt-get install libjpeg libjpeg-dev libfreetype6 libfreetype6-dev zlib1g-dev

> sudo pip install PIL

sudo ln -s /lib/x86\_64-linux-gnu/libz.so.1 /lib/

sudo ln -s /usr/lib/x86\_64-linux-gnu/libfreetype.so.6 /usr/lib/

sudo ln -s /usr/lib/x86\_64-linux-gnu/libjpeg.so.62 /usr/lib/

to make the symbolic link

1. <http://prateekvjoshi.com/2014/04/19/how-to-install-pil-on-ubuntu/>

Follow next two if above doesn’t work :

1. <http://codeinthehole.com/writing/how-to-install-pil-on-64-bit-ubuntu-1204/>
2. <http://askubuntu.com/questions/507459/pil-install-in-ubuntu-14-04-1-lts>
3. Open-CV :
4. Using Ubuntu 14.04:  
   [http://www.samontab.com/.../installing-opencv-2-4-9-in.../](http://www.samontab.com/web/2014/06/installing-opencv-2-4-9-in-ubuntu-14-04-lts/)  
     
   Using Ubuntu 12.04  
   [https://hemprasad.wordpress.com/.../opencv-installation.../](https://hemprasad.wordpress.com/2014/06/23/opencv-installation-for-ubuntu-12-04-2/)  
     
   Also download this script:   
   <https://gist.github.com/abhinavjain241/60e5a62272f585a21392>
5. First install required packages from <http://docs.opencv.org/doc/tutorials/introduction/linux_install/linux_install.html>

Then install remaining packages from software repository

1. <http://askubuntu.com/questions/334158/installing-opencv>
2. <https://help.ubuntu.com/community/OpenCV>
3. TKINTER :

sudo apt-get install python-tk / sudo apt-get install python3-tk(for python 3 )

<http://tkinter.unpythonic.net/wiki/How_to_install_Tkinter>