OpenCV installation steps

To install OpenCV 2.4.3 on the Ubuntu operating system, first install a developer environment to build OpenCV.

```
sudo apt-get update install build-essential cmake pkg-config
```

Install Image I/O libraries.

```
sudo apt-get update install libjpeg62-dev libtiff4-dev libjasper-dev
```

Install the GTK dev library.

```
sudo apt-get update install  libgtk2.0-dev
```

Install Video I/O libraries.

```
sudo apt-get update install libavcodec-dev libavformat-dev libswscale-dev libv4l-dev
```

Install Video Tools.

```
sudo apt-get install libav-tools
```

Install video streaming libraries.

```
sudo apt-get update install libdc1394-22-dev libxine-dev libgstreamer0.10-dev libgstreamer-plugins-base0.10-dev
```

Install the parallel code processing library (the Intel tbb library).

```
sudo apt-get update install libtbb-dev
```

Next, download OpenCV 2.4.3 to a specified directory where you want to compile the source.

```
mkdir build(Can provide any Name)

cd build

wget <a href="http://sourceforge.net/projects/opencvlibrary/files/opencv-unix/2.4.3/OpenCV-2.4.3.tar.bz2">http://sourceforge.net/projects/opencvlibrary/files/opencv-unix/2.4.3/Op...</a>

tar -xvf OpenCV-2.4.*.tar.bz2
```

Create and build directory and configure OpenCV with cmake. Don't forget the .. part at the end of cmake cmd !!

```
cd OpenCV-2.4.3

mkdir build

cd build

cmake -D CMAKE_BUILD_TYPE=RELEASE -D CMAKE_INSTALL_PREFIX=/usr/local

-D WITH_TBB=ON -D BUILD_NEW_PYTHON_SUPPORT=ON -D WITH_V4L=ON

-D INSTALL_C_EXAMPLES=ON -D INSTALL_PYTHON_EXAMPLES=ON

-D BUILD_EXAMPLES=ON -D WITH_QT=ON -D WITH_OPENGL=ON ..
```

Now compile it.

```
make
```

And finally install OpenCV:

```
sudo make install
```