Install OpenCV-Python in Fedora

Note
: Please prefer binaries distributed with PyPI, if possible. See **Install OpenCV for Python with pip** for details.

Goals

In this tutorial

- We will learn to setup OpenCV-Python in your Fedora system. Below steps are tested for Fedora 18 (64-bit) and Fedora 19 (32-bit).

Introduction

OpenCV-Python can be installed in Fedora in two ways, 1) Install from pre-built binaries available in fedora repositories, 2) Compile from the source. In this section, we will see both.

Another important thing is the additional libraries required. OpenCV-Python requires only **Numpy** (in addition to other dependencies, which we will see later). But in this tutorials, we also use **Matplotlib** for some easy and nice plotting purposes (which I feel much better compared to OpenCV). Matplotlib is optional, but highly recommended. Similarly we will also see **IPython**, an Interactive Python Terminal, which is also highly recommended.

Installing OpenCV-Python from Pre-built Binaries

Install all packages with following command in terminal as root.

```
$ yum install numpy opencv*
```

Open Python IDLE (or IPython) and type following codes in Python terminal.

```
>>> import cv2 as cv
>>> print( cv.__version__ )
```

If the results are printed out without any errors, congratulations !!! You have installed OpenCV-Python successfully.