Installation of Softwares
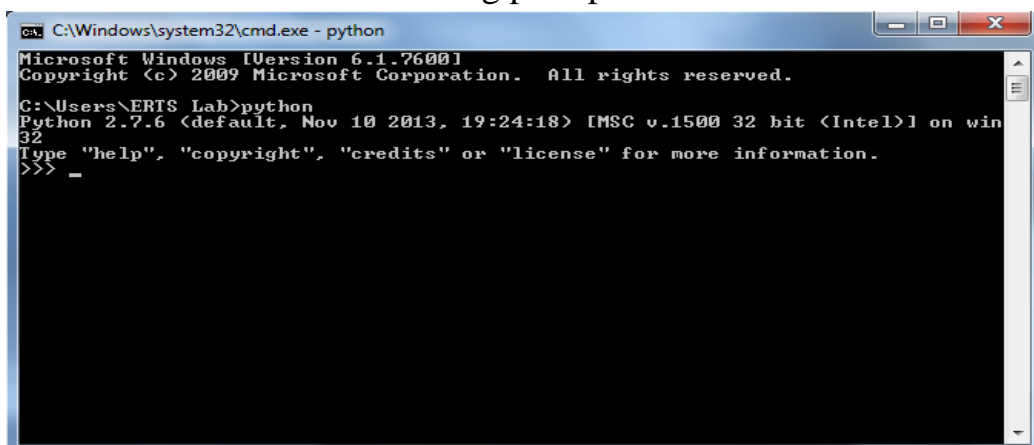
This file contains instructions to install

- Python
- Numpy
- OpenCV

Please follow the steps given below:

1. Python

    - Download Python from the following link:
    - https://www.python.org/ftp/python/2.7.6/python-2.7.6.msi
    - Double-click the downloaded file to commence installation
    - In order to configure the environment variables,
        ◦ Right-click on 'My Computer'
        ◦ Click on 'Properties'
        ◦ Click on 'Advanced System Settings' to open the 'System Properties' dialog box
        ◦ Under 'System Properties', select the 'Advanced' tab
        ◦ Click on 'Environment Variables'
        ◦ Under 'System Variables', search for the variable 'Path'
        ◦ Add 'C:/Python27;C:/Python27/Scripts;' at the start of the textbox
        ◦ Click on 'OK'
    - In order to verify your installation,
        ◦ Open Command Prompt and type 'python' and press enter
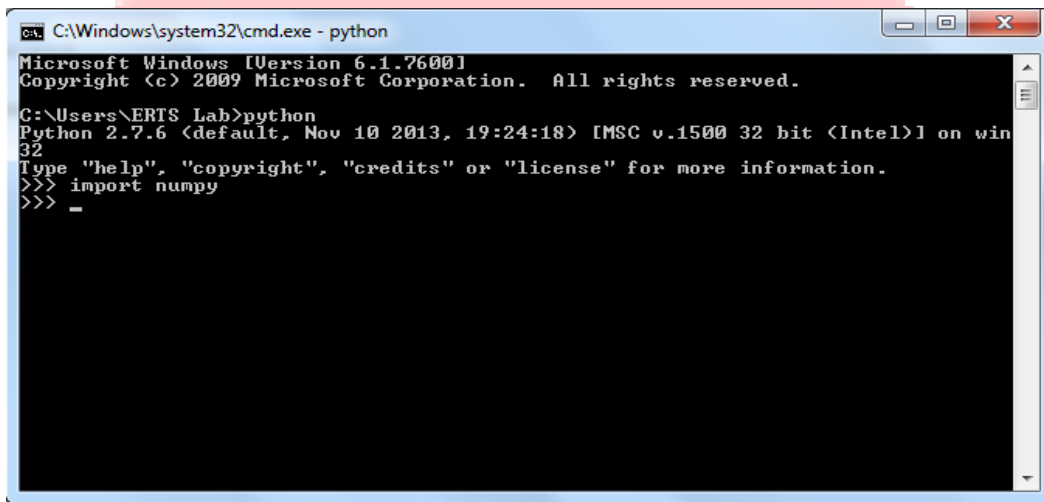   ◦ You should see the following prompt:

2. Numpy

- Download Numpy from the following link:
- http://sourceforge.net/projects/numpy/files/NumPy/1.7.1/numpy-1.7.1-win32-superpack-python2.7.exe/download
- Double-click the downloaded file to commence installation
- In order to verify your installation,
    ◦ Open Command Prompt and type 'python' and press Enter
    ◦ At the python prompt, type 'import numpy' and press Enter
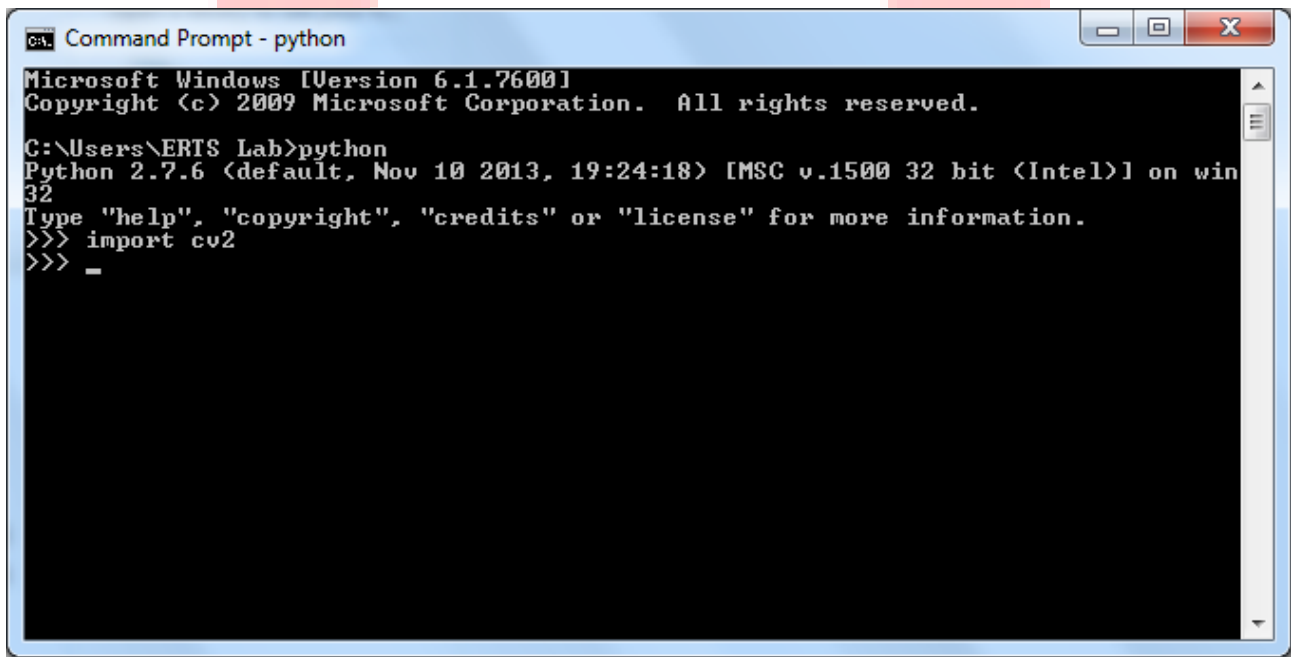   ◦ You should see the following prompt:

3. OpenCV

- Download OpenCV from the following link:
- http://sourceforge.net/projects/opencvlibrary/files/opencv-win/2.4.9/opencv-2.4.9.exe/download
- Double-click the downloaded file to commence installation
- Navigate to the folder opencv/build/python/2.7
- Copy the file cv2.pyd to C:/Python27/lib/site-packages
- In order to verify your installation,
    - Open Command Prompt and type 'python' and press Enter
    - At the python prompt, type 'import cv2' and press Enter
    - You should see the following prompt:

```
Command Prompt - python

Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation.  All rights reserved.

C:\Users\ERTS Lab>python
Python 2.7.6 (default, Nov 10 2013, 19:24:18) [MSC v.1500 32 bit (Intel)] on win
32
Type "help", "copyright", "credits" or "license" for more information.
>>> import cv2
>>>
```