

# Virtual Machine Install Guide

In order to use OpenCV 4.0.1 with all included libraries, it is far easier to download and setup the new virtual machine (created in 2019).

All course code is on the machine and everything runs perfectly without any errors.

Doing the installs locally on Windows, Mac and Linux is still possible but you will encounter errors such as missing functions etc.

## STEP 1

Download Virtual Box - <https://www.virtualbox.org/wiki/Downloads>

## STEP 2

Download the Virtual Machine OVA file (see resources for download link or click here)

## STEP 3

Watch video to follow the simple setup procedure

## OPTIONAL - Use your own OS (Windows/Mac/Ubuntu) 2019

If you wish to download the Python code of this course without the using the virtual machine, download the file *masteropencv4\_v1.1.tar.gz (121.8 MB)* *supplied with the course material*

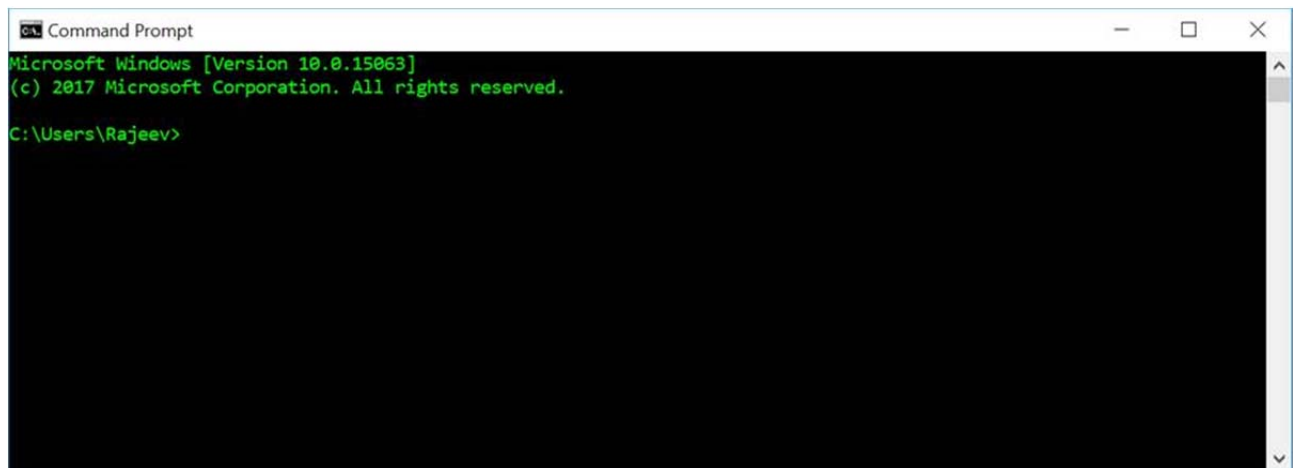
**Update:** As of April 2019, you can now install OpenCV 4.0.1.25 with the contrib packages, follow the instructions below:

### Step 1:

Install Anaconda Python 3.7 Version - <https://www.anaconda.com/distribution/>

### Step 2:

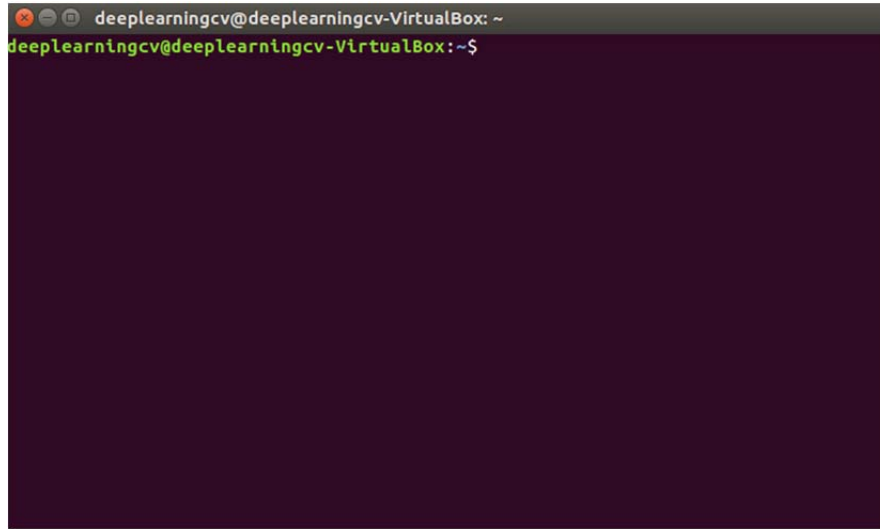
**Windows Users** – Open Command Prompt



**Mac Users:** Open Terminal



## Ubuntu/Linux Users: Open Terminal



Use pip to install the following packages:

*Note on some systems you will have to use **pip3** instead of pip (pip is sometimes linked to pip3 automatically in some systems):*

```
pip install numpy
pip install matplotlib
pip install opencv-contrib-python
pip install dlib
```