

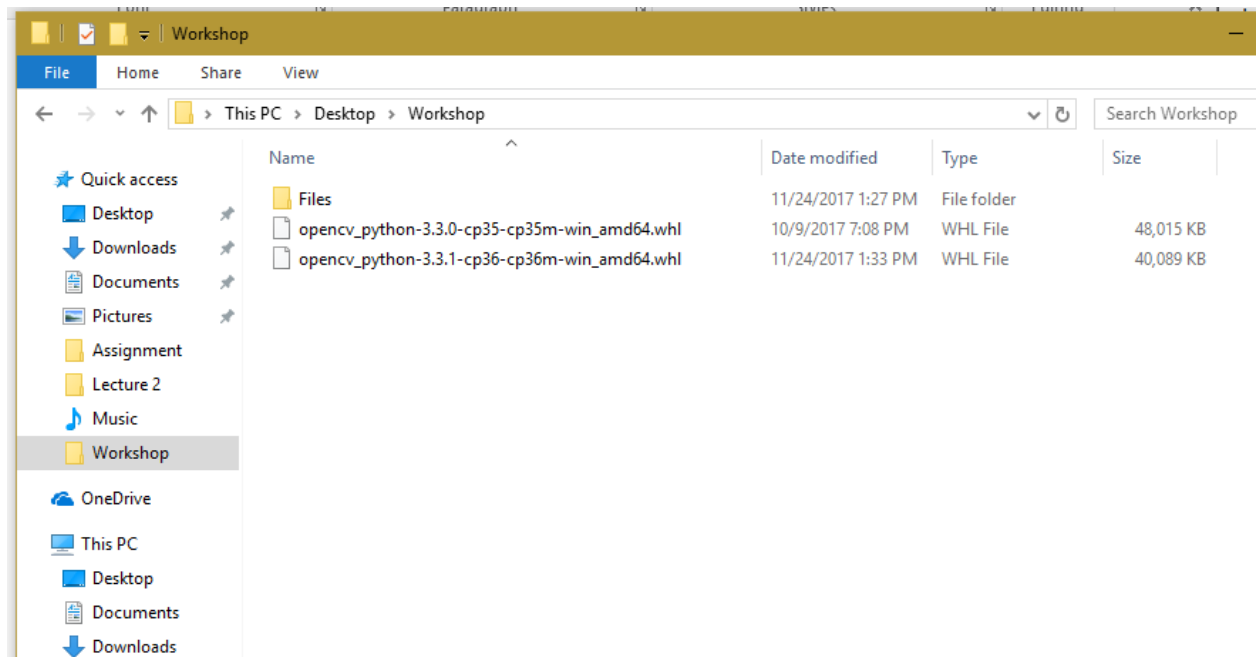
OpenCV Installation in Anaconda

প্রথমে আপনার এনভায়রনমেন্ট টি একটিভেট করুন

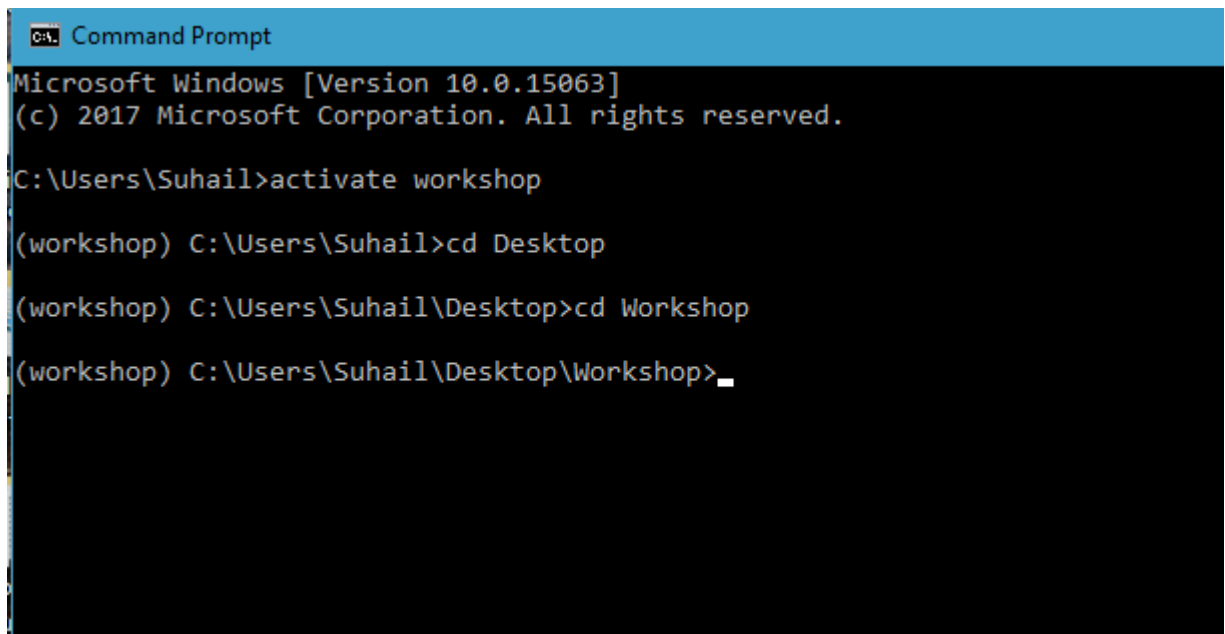
```
Command Prompt
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\Suhail>activate workshop
```

সংযুক্ত ফাইল দুটি আনজিপ করে Desktop এ Workshop নামের একটি ফোল্ডারে রাখুন (অথবা অন্য কোথাও ও রাখতে পারেন, এই টিউটোরিয়ালের জন্যে ধরা হল ফাইল দুটি Workshop ফোল্ডারে আছে।



cd Desktop অতঃপর cd Workshop লিখে ঐ ফোল্ডারে প্রবেশ করুন।



```
Command Prompt
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

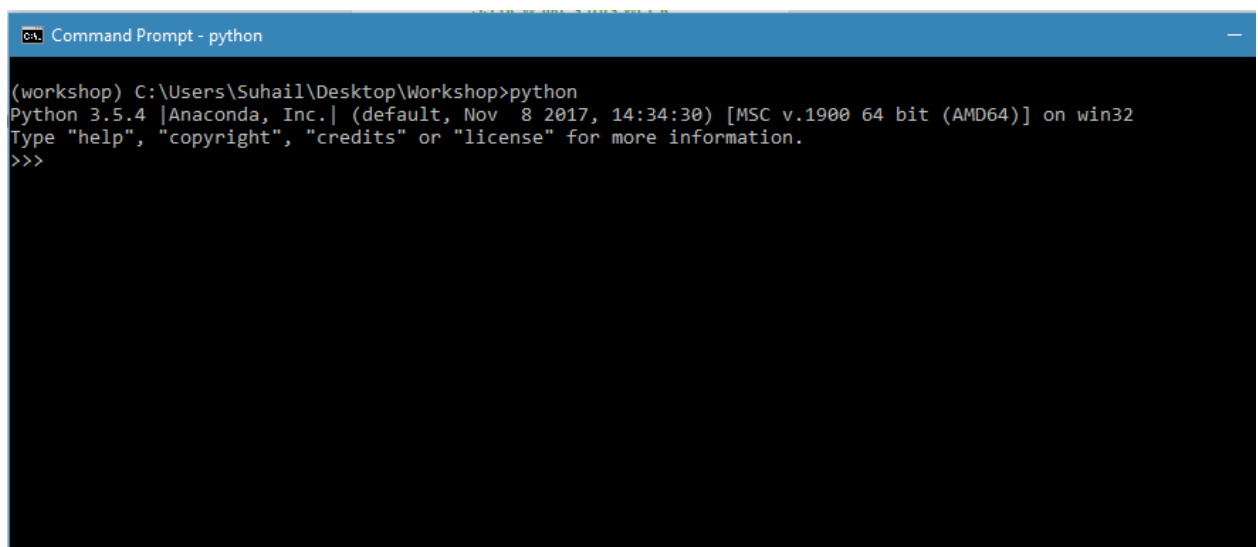
C:\Users\Suhail>activate workshop

(workshop) C:\Users\Suhail>cd Desktop

(workshop) C:\Users\Suhail\Desktop>cd Workshop

(workshop) C:\Users\Suhail\Desktop\Workshop>_
```

python টাইপ করে দেখে নিন আপনার পাইথনের ভার্সন কোনটি।



```
Command Prompt - python

(workshop) C:\Users\Suhail\Desktop\Workshop>python
Python 3.5.4 |Anaconda, Inc.| (default, Nov  8 2017, 14:34:30) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>>
```

exit() দিয়ে python shell থেকে বের হয়ে আসুন।

এরপরে `dir` লিখে এন্টার দিলে ঐ ফোল্ডারের সব ফাইল শো করবে। নিশ্চিত করুন যে সেই ফোল্ডারে পাইথনের ফাইল দুটি রয়েছে

```
Command Prompt
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\Suhail>activate workshop

(workshop) C:\Users\Suhail>cd Desktop

(workshop) C:\Users\Suhail\Desktop>cd Workshop

(workshop) C:\Users\Suhail\Desktop\Workshop>dir
Volume in drive C has no label.
Volume Serial Number is A4CD-8082

Directory of C:\Users\Suhail\Desktop\Workshop

11/24/2017  02:08 PM    <DIR>          .
11/24/2017  02:08 PM    <DIR>          ..
11/24/2017  01:27 PM    <DIR>          Files
10/09/2017  07:08 PM             49,167,167  opencv_python-3.3.0-cp35-cp35m-win_amd64.whl
11/24/2017  01:33 PM             41,050,747  opencv_python-3.3.1-cp36-cp36m-win_amd64.whl
                2 File(s)          90,217,914 bytes
                3 Dir(s)    122,081,976,320 bytes free

(workshop) C:\Users\Suhail\Desktop\Workshop>_
```

এরপরে আপনার পাইথনের ভার্সনের উপরে ডিপেন্ড করে নীচের যেকোন একটি কমান্ড এন্টার করলে সেই এনভায়রনমেন্ট এ OpenCV ইনস্টল হয়ে যাবে।

পাইথন 3.5 এর জন্য: `pip install "opencv_python-3.3.0-cp35-cp35m-win_amd64.whl"`

পাইথন 3.6 এর জন্য: `pip install "opencv_python-3.3.1-cp36-cp36m-win_amd64.whl"`

Command Prompt - pip install "opencv_python-3.3.0-cp35-cp35m-win_amd64.whl"

Microsoft Windows [Version 10.0.15063]

(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\Suhail>activate workshop

(workshop) C:\Users\Suhail>cd Desktop

(workshop) C:\Users\Suhail\Desktop>cd Workshop

(workshop) C:\Users\Suhail\Desktop\Workshop>dir

Volume in drive C has no label.

Volume Serial Number is A4CD-8082

Directory of C:\Users\Suhail\Desktop\Workshop

11/24/2017	02:08 PM	<DIR>	.
11/24/2017	02:08 PM	<DIR>	..
11/24/2017	01:27 PM	<DIR>	Files
10/09/2017	07:08 PM		49,167,167 opencv_python-3.3.0-cp35-cp35m-win_amd64.whl
11/24/2017	01:33 PM		41,050,747 opencv_python-3.3.1-cp36-cp36m-win_amd64.whl
		2 File(s)	90,217,914 bytes
		3 Dir(s)	122,081,976,320 bytes free

(workshop) C:\Users\Suhail\Desktop\Workshop>pip install "opencv_python-3.3.0-cp35-cp35m-win_amd64.whl"

Command Prompt

(workshop) C:\Users\Suhail\Desktop>cd Workshop

(workshop) C:\Users\Suhail\Desktop\Workshop>dir

Volume in drive C has no label.

Volume Serial Number is A4CD-8082

Directory of C:\Users\Suhail\Desktop\Workshop

11/24/2017	02:08 PM	<DIR>	.
11/24/2017	02:08 PM	<DIR>	..
11/24/2017	01:27 PM	<DIR>	Files
10/09/2017	07:08 PM		49,167,167 opencv_python-3.3.0-cp35-cp35m-win_amd64.whl
11/24/2017	01:33 PM		41,050,747 opencv_python-3.3.1-cp36-cp36m-win_amd64.whl
		2 File(s)	90,217,914 bytes
		3 Dir(s)	122,081,976,320 bytes free

(workshop) C:\Users\Suhail\Desktop\Workshop>pip install "opencv_python-3.3.0-cp35-cp35m-win_amd64.whl"

Processing c:\users\suhail\desktop\workshop\opencv_python-3.3.0-cp35-cp35m-win_amd64.whl

Installing collected packages: opencv-python

Successfully installed opencv-python-3.3.0

(workshop) C:\Users\Suhail\Desktop\Workshop>

এরপরে আবার python লিখে পাইথন শেলে প্রবেশ করুন

```
Command Prompt - python

Directory of C:\Users\Suhail\Desktop\Workshop
11/24/2017 02:08 PM <DIR> .
11/24/2017 02:08 PM <DIR> ..
11/24/2017 01:27 PM <DIR> Files
10/09/2017 07:08 PM 49,167,167 opencv_python-3.3.0-cp35-cp35m-win_amd64.whl
11/24/2017 01:33 PM 41,050,747 opencv_python-3.3.1-cp36-cp36m-win_amd64.whl
                2 File(s) 90,217,914 bytes
                3 Dir(s) 122,081,976,320 bytes free

(workshop) C:\Users\Suhail\Desktop\Workshop>pip install "opencv_python-3.3.0-cp35-cp35m-win_amd64.whl"
Processing c:\users\suhail\desktop\workshop\opencv_python-3.3.0-cp35-cp35m-win_amd64.whl
Installing collected packages: opencv-python
Successfully installed opencv-python-3.3.0

(workshop) C:\Users\Suhail\Desktop\Workshop>python
Python 3.5.4 [Anaconda, Inc.] (default, Nov 8 2017, 14:34:30) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> _
```

import cv2 টাইপ করে এন্টার দিন। যদি কোন এরর না শো করে তাহলে সফলভাবে OpenCV ইন্সটল হয়েছে।

```
Command Prompt - python

Directory of C:\Users\Suhail\Desktop\Workshop
11/24/2017 02:08 PM <DIR> .
11/24/2017 02:08 PM <DIR> ..
11/24/2017 01:27 PM <DIR> Files
10/09/2017 07:08 PM 49,167,167 opencv_python-3.3.0-cp35-cp35m-win_amd64.whl
11/24/2017 01:33 PM 41,050,747 opencv_python-3.3.1-cp36-cp36m-win_amd64.whl
                2 File(s) 90,217,914 bytes
                3 Dir(s) 122,081,976,320 bytes free

(workshop) C:\Users\Suhail\Desktop\Workshop>pip install "opencv_python-3.3.0-cp35-cp35m-win_amd64.whl"
Processing c:\users\suhail\desktop\workshop\opencv_python-3.3.0-cp35-cp35m-win_amd64.whl
Installing collected packages: opencv-python
Successfully installed opencv-python-3.3.0

(workshop) C:\Users\Suhail\Desktop\Workshop>python
Python 3.5.4 [Anaconda, Inc.] (default, Nov 8 2017, 14:34:30) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import cv2
>>> _
```

এরপরে `exit()` লিখে বের হয়ে আসুন।

```
C:\ Command Prompt

Directory of C:\Users\Suhail\Desktop\Workshop

11/24/2017  02:08 PM    <DIR>          .
11/24/2017  02:08 PM    <DIR>          ..
11/24/2017  01:27 PM    <DIR>          Files
10/09/2017  07:08 PM             49,167,167 opencv_python-3.3.0-cp35-cp35m-win_amd64.whl
11/24/2017  01:33 PM             41,050,747 opencv_python-3.3.1-cp36-cp36m-win_amd64.whl
                2 File(s)          90,217,914 bytes
                3 Dir(s)      122,081,976,320 bytes free

(workshop) C:\Users\Suhail\Desktop\Workshop>pip install "opencv_python-3.3.0-cp35-cp35m-win_amd64.whl"
Processing c:\users\suhail\desktop\workshop\opencv_python-3.3.0-cp35-cp35m-win_amd64.whl
Installing collected packages: opencv-python
Successfully installed opencv-python-3.3.0

(workshop) C:\Users\Suhail\Desktop\Workshop>python
Python 3.5.4 |Anaconda, Inc.| (default, Nov  8 2017, 14:34:30) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import cv2
>>> exit()

(workshop) C:\Users\Suhail\Desktop\Workshop>
```

Prepared By:

Suhail Najeeb

Undergraduate student,

Department of Electrical and Electronic Engineering,

Bangladesh University of Engineering & Technology

Mail: suhailnajeeb19@gmail.com

24 November, 2017