

Task 0 – OpenCV Installations for windows

Video link for reference: [link](#)

This document contains instructions to install following software on Windows OS

- OpenCV

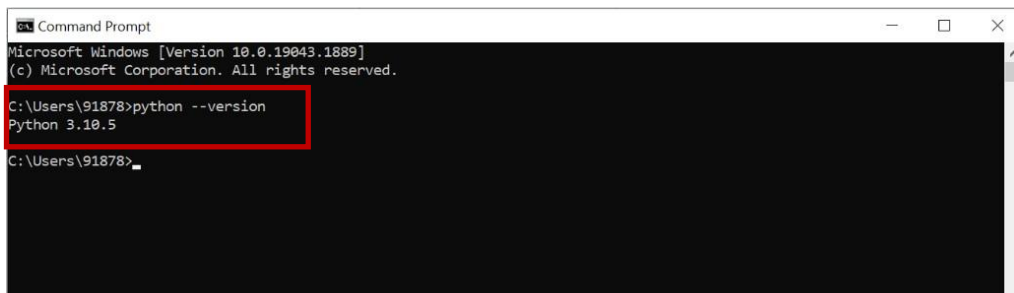
The installation of the software has been tested on Windows 10 64-bit OS.

1. Instruction to install OpenCV on Windows OS:

1. Instruction to check the version of python.

- a) Open command prompt and type **python --version**

If you get the following, then python has been already installed.



```
Command Prompt
Microsoft Windows [Version 10.0.19043.1889]
(c) Microsoft Corporation. All rights reserved.

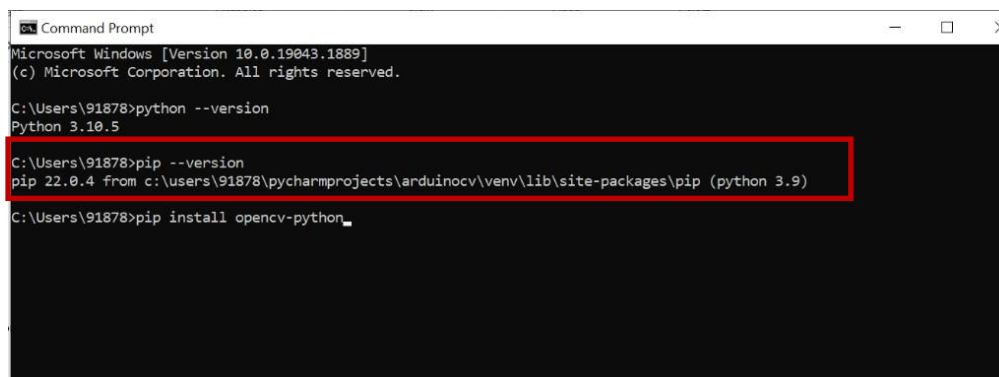
C:\Users\91878>python --version
Python 3.10.5

C:\Users\91878>_
```

2. Instruction to check the version of pip.

- a) Open command prompt and type **pip --version**

If you get the following, then pip has been already installed.



```
Command Prompt
Microsoft Windows [Version 10.0.19043.1889]
(c) Microsoft Corporation. All rights reserved.

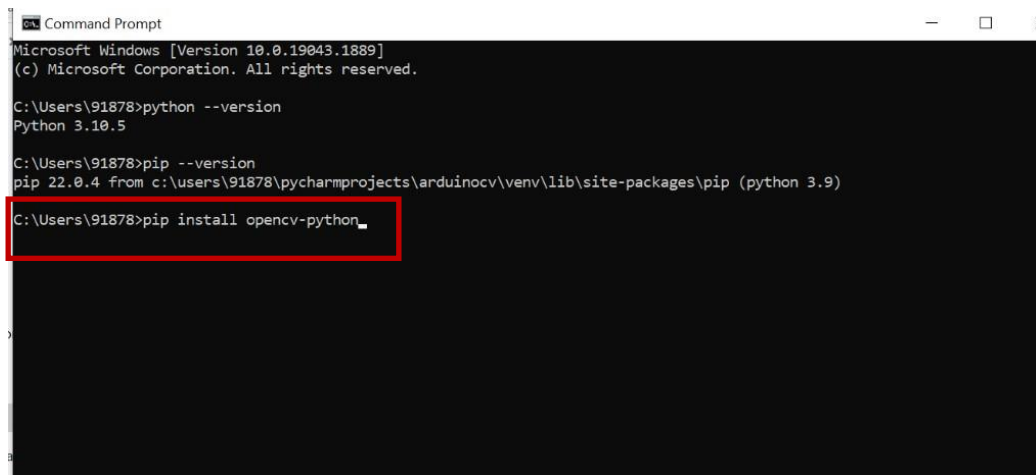
C:\Users\91878>python --version
Python 3.10.5

C:\Users\91878>pip --version
pip 22.0.4 from c:\users\91878\pycharmprojects\arduino\venv\lib\site-packages\pip (python 3.9)

C:\Users\91878>pip install opencv-python_
```

1. Instruction to install OpenCV library.

- a) Open command prompt and type **pip install opencv-python**.



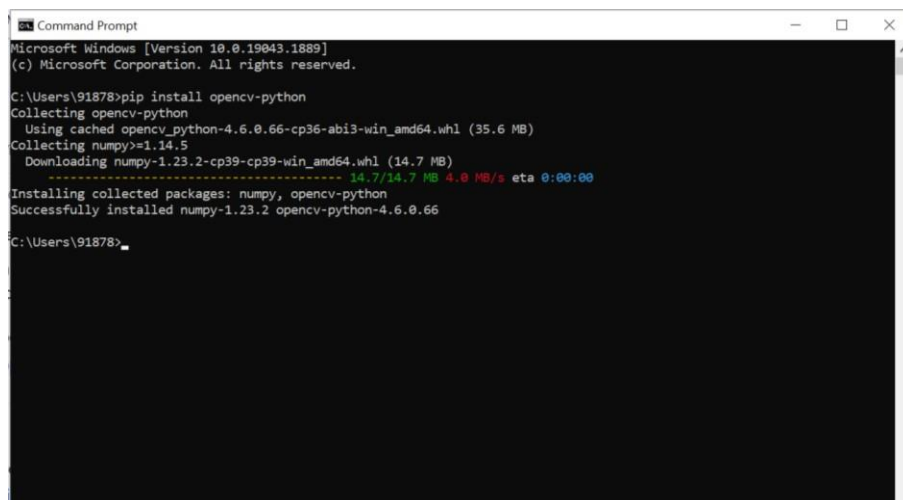
```
Microsoft Windows [Version 10.0.19043.1889]
(c) Microsoft Corporation. All rights reserved.

C:\Users\91878>python --version
Python 3.10.5

C:\Users\91878>pip --version
pip 22.0.4 from c:\users\91878\pycharmprojects\arduino\venv\lib\site-packages\pip (python 3.9)

C:\Users\91878>pip install opencv-python_
```

- b) This will install the OpenCV library. (it will take some time so please be patient)After installation, cmd will look something like this ->



```
Microsoft Windows [Version 10.0.19043.1889]
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C:\Users\91878>pip install opencv-python
Collecting opencv-python
  Using cached opencv_python-4.6.0.66-cp36-abi3-win_amd64.whl (35.6 MB)
Collecting numpy>=1.14.5
  Downloading numpy-1.23.2-cp39-cp39-win_amd64.whl (14.7 MB)
    ----- 14.7/14.7 MB 4.0 MB/s eta 0:00:00
Installing collected packages: numpy, opencv-python
Successfully installed numpy-1.23.2 opencv-python-4.6.0.66

C:\Users\91878>
```

OpenCV library is successfully installed on your device.

...HAPPY LEARNING!!!...