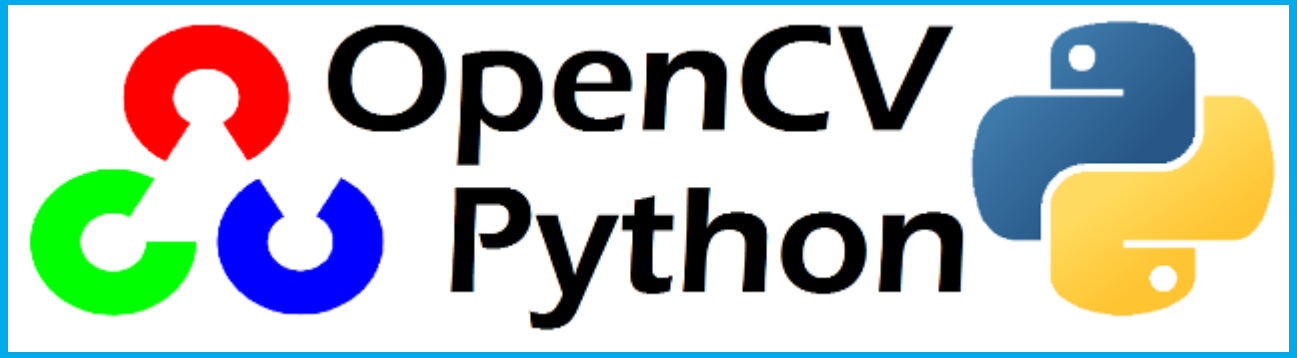


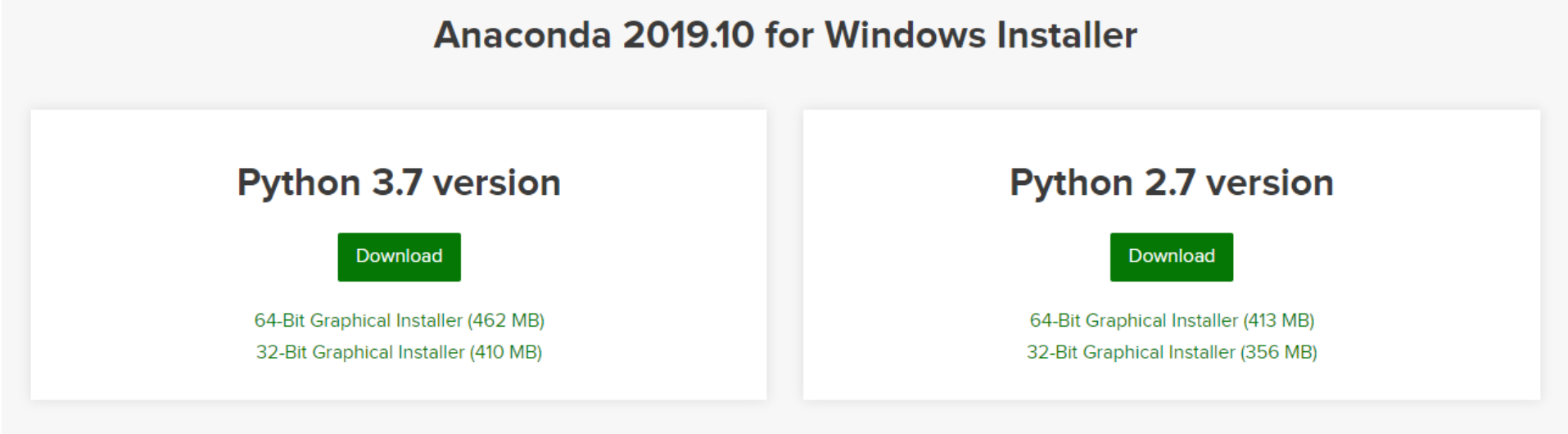
Installing OpenCV for Python on Windows using Anaconda

Alex Lin

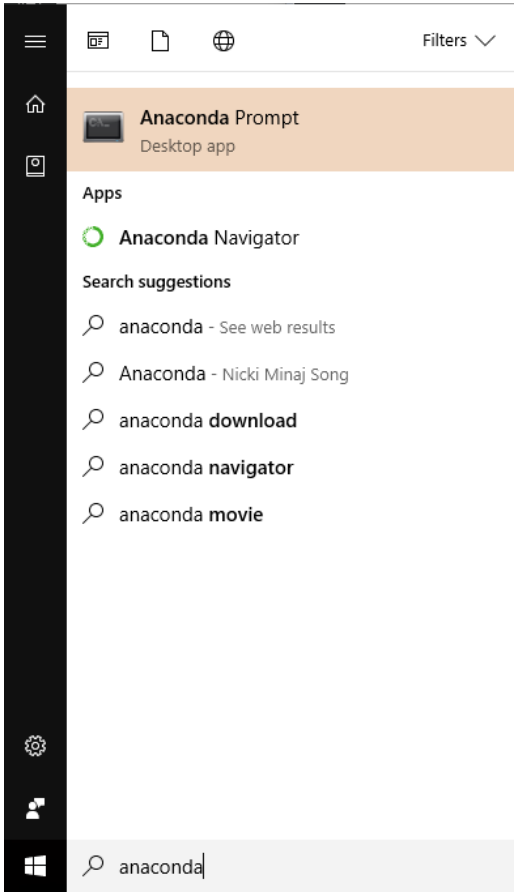
Step 1: download installer

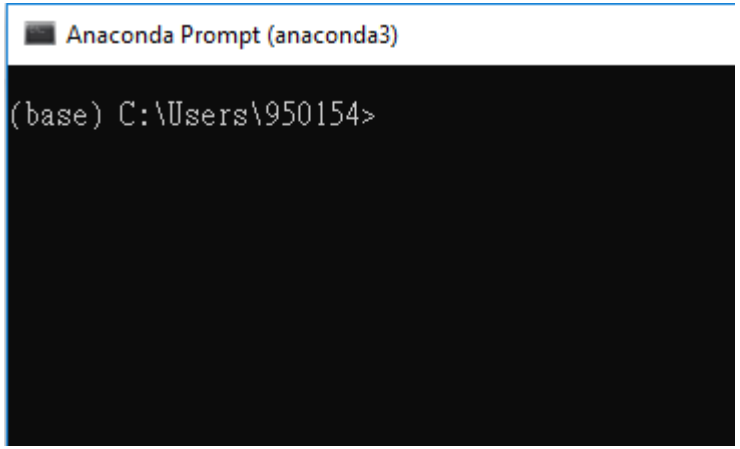
- Please go to

https://www.anaconda.com/distribution/



Step 2: launch Anaconda Prompt after installation is finished





Step 3: create a separate environment to install OpenCV

- Please install OpenCV in a separate environment, which would eliminate a lot of potential issues

- Please execute the following commands

  conda create — name opencv_new

  activate opencv_new

- Then you could start to install OpenCV in this isolated environment

```
(opencv_new) C:\Users\950154>
```

Step 4: Let's install opencv

```
(opencv) C:\Users\950154>conda install -c conda-forge opencv
```

```
The following NEW packages will be INSTALLED:

  ca-certificates    conda-forge/win-64::ca-certificates-2019.11.28-hecc5488_0
  certifi            conda-forge/win-64::certifi-2019.11.28-py38_0
  freetype           conda-forge/win-64::freetype-2.10.0-h563cfd7_1
  icu                conda-forge/win-64::icu-64.2-he025d50_1
  intel-openmp       pkgs/main/win-64::intel-openmp-2019.4-245
  jpeg               conda-forge/win-64::jpeg-9c-hfa6e2cd_1001
  libblas            conda-forge/win-64::libblas-3.8.0-14_mkl
  libcblas           conda-forge/win-64::libcblas-3.8.0-14_mkl
  libclang           conda-forge/win-64::libclang-9.0.1-default_hf44288c_0
  liblapack          conda-forge/win-64::liblapack-3.8.0-14_mkl
  liblapacke         conda-forge/win-64::liblapacke-3.8.0-14_mkl
  libopencv          conda-forge/win-64::libopencv-4.2.0-py38_2
  libpng             conda-forge/win-64::libpng-1.6.37-h7602738_0
  libtiff            conda-forge/win-64::libtiff-4.1.0-h21b02b4_3
  libwebp            conda-forge/win-64::libwebp-1.0.2-hfa6e2cd_5
  lz4-c              conda-forge/win-64::lz4-c-1.8.3-he025d50_1001
  mkl                pkgs/main/win-64::mkl-2019.4-245
  numpy              conda-forge/win-64::numpy-1.17.5-py38hc71023c_0
  opencv             conda-forge/win-64::opencv-4.2.0-py38_2
  openssl            conda-forge/win-64::openssl-1.1.1d-hfa6e2cd_0
  pip                conda-forge/win-64::pip-20.0.2-py38_1
  py-opencv          conda-forge/win-64::py-opencv-4.2.0-py38h5ca1d4c_2
  python             conda-forge/win-64::python-3.8.1-he1f5543_2
  qt                 conda-forge/win-64::qt-5.12.5-h7ef1ec2_0
  setuptools         conda-forge/win-64::setuptools-45.1.0-py38_0
  sqlite             conda-forge/win-64::sqlite-3.30.1-hfa6e2cd_0
  vc                 pkgs/main/win-64::vc-14.1-h0510ff6_4
  vs2015_runtime     pkgs/main/win-64::vs2015_runtime-14.16.27012-hf0eaf9b_1
  wheel              conda-forge/win-64::wheel-0.34.2-py38_0
  wincertstore       conda-forge/win-64::wincertstore-0.2-py38_1003
  xz                 conda-forge/win-64::xz-5.2.4-h2fa13f4_1001
  zlib               conda-forge/win-64::zlib-1.2.11-h2fa13f4_1006
  zstd               conda-forge/win-64::zstd-1.4.4-hd8a0e53_1


Proceed ([y]/n)?
```

Step 5: Let's check OpenCV version

```
(opencv_new) C:\Users\950154>python
Python 3.8.1 | packaged by conda-forge | (default, Jan 29 2020, 14:24:10) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import cv2
>>> print(cv2.__version__)
4.2.0
>>> exit()

(opencv_new) C:\Users\950154>
```

Step 6: Let's excute the testing script