Install opencv

```
!pip install opencv-python
```

```
Collecting opencv-python
  Downloaded opencv_python-4.5.5.62-cp36-abi3-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (60.5 MB)
     |▼| 60.5 MB 1.2 MB/s
Requirement already satisfied: numpy>=1.19.3; python_version>='3.6' in /usr/local/lib/python3.7/dist-packages (from opencv-python) (1.21.6)
Requirement already satisfied: cachetools~=4.0 in /usr/local/lib/python3.7/dist-packages (from google-auth) (4.0.0)
Requirement already satisfied: pyasn1-modules>=0.2.1 in /usr/local/lib/python3.7/dist-packages (from google-auth) (0.2.8)
Requirement already satisfied: rsa~=4.9 in /usr/local/lib/python3.7/dist-packages (from google-auth) (4.9)
Requirement already satisfied: six>=1.9.0 in /usr/local/lib/python3.7/dist-packages (from google-auth) (1.15.0)
Requirement already satisfied: pyasn1>=0.1.3 in /usr/local/lib/python3.7/dist-packages (from rsa~=4.9) (0.4.8)
Requirement already satisfied: requests-oauthlib>=0.7.0 in /usr/local/lib/python3.7/dist-packages (from google-auth-oauthlib) (1.3.1)
Requirement already satisfied: oauthlib>=3.0.0 in /usr/local/lib/python3.7/dist-packages (from requests-oauthlib>=0.7.0; python_version>='3.6' in /usr/local/lib/python3.7/dist-packages (from google-auth-oauthlib) (3.2.0)
Requirement already satisfied: requests>=2.0.0 in /usr/local/lib/python3.7/dist-packages (from requests-oauthlib>=0.7.0; python_version>='3.6' in /usr/local/lib/python3.7/dist-packages (from google-auth-oauthlib) (2.23.0)
Requirement already satisfied: urllib3!=1.25.0,!=1.25.1,<=1.24.2,>=1.21.1 in /usr/local/lib/python3.7/dist-packages (from requests>=2.0.0; python_version>='3.6' in /usr/local/lib/python3.7/dist-packages (from google-auth-oauthlib) (1.24.3)
Requirement already satisfied: chardet<3.0.4,>=3.0.2 in /usr/local/lib/python3.7/dist-packages (from requests>=2.0.0; python_version>='3.6' in /usr/local/lib/python3.7/dist-packages (from google-auth-oauthlib) (3.0.4)
Requirement already satisfied: idna<2.9,>=2.5 in /usr/local/lib/python3.7/dist-packages (from requests>=2.0.0; python_version>='3.6' in /usr/local/lib/python3.7/dist-packages (from google-auth-oauthlib) (2.8)
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.7/dist-packages (from requests>=2.0.0; python_version>='3.6' in /usr/local/lib/python3.7/dist-packages (from google-auth-oauthlib) (2022.12.7)
```

```
!pip list
```

```
Package            Version
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absl-py            1.0.0
alabaster          0.7.12
albumentations     0.1.12
altair             4.2.2
arrow              1.2.3
astor              0.8.1
astropy            4.3.1
atari-py           0.2.6
atbswp             0.2.1
attrdict           2.0.1
attrdict3          2.0.1
autograd           1.4
Babel              2.9.1
backcall           0.2.0
beautifulsoup4     4.6.3
bleach             5.0.1
blis               0.7.9
bokeh              2.3.3
Boruta             0.3
boto               2.49.0
boto3              1.24.28
botocore           1.27.28
Bottleneck         1.3.5
branca             0.5.0
brotlipy           0.7.0
bs4                0.0.1
Cartopy            0.18.0
cachetools         4.0.0
catalogue          0.2.0
certifi            2022.12.7
cffi               1.15.1
chardet            3.0.4
charset-normalizer 2.0.12
chart-studio       1.1.0
cheese             0.1.1
chess              0.23.11
chestcrop          1.5.0
click              7.1.2
clikit             0.6.2
cloudpickle        1.5.0
cmake              3.22.6
cmdstanpy          1.0.1
colab-env          1.1.0
collections        0.1.1
colorcet           3.0.1
colorlog           6.7.0
colorlover         0.3.0
community          1.0.0b1
contextlib2        0.5.5
convertdate        2.4.0
coverage           3.7.1
coverage_pth       0.1
crashtest          0.3.1
crcmod             1.7
cryptography       40.0.2
cufflinks          0.17.3
cvdrive            0.1.1
cvdrive-utils      0.1.1
cvdrive-vision     0.1.1
cvgrid             0.1.1
cvgrid-utils       0.1.1
cvhelper           0.1.1
cvhelper-utils     0.1.1
cvhelper-vision    0.1.1
cvloop             0.1.1
cvloop-utils       0.1.1
cvloop-vision      0.1.1
cvtorch            0.1.1
cvtorch-utils      0.1.1
cvtorch-vision     0.1.1
cycle              0.11
cycler             0.11.0
Cython             0.29.35
cytoolz            0.12.0
dask               2022.12.1
datacommons        1.4.3
datascience        0.10.6
decorator          4.4.2
defaults           1.0.3
descartes          1.1.0
dill               0.3.6
distributed        2022.12.1
dlib               19.24.0
dm-tree            0.1.8
dnspy              1.0.1
docutils           0.18.1
dopamine-rl        4.0.6
dpkt               1.9.8
dryscrape          1.0
dtaidistance       2.3.10
dtcwt              0.12.0
duecredit          0.9.1
easydict           1.9
easyocr            1.6.2
ecos               2.0.7.post1
editdistance       0.5.3
ee                 0.1.0b3
Ehtemam            0.0.1
ekphrasis          0.5.1
elasticsearch      7.9.1
elasticsearch-dsl  7.3.0
elasticsearch7     7.13.4
elasticsearch-7    8.7.0
elasticsearch-dsl  7.4.0
elasticsearch-dsl-7 8.0.2
elasticsearch-7.0  1.0.0
elasticsearch-6    6.8.2
elasticsearch-dsl-6 7.0.0
elasticsearch-6.0  1.0.0
elasticsearch-5    5.5.3
elasticsearch-dsl-5 6.0.1
elasticsearch-5.0  1.0.0
elasticsearch-2    2.4.1
elasticsearch-dsl-2 5.4.0
elasticsearch-2.0  1.0.0
elasticsearch-1    1.9.0
elasticsearch-dsl-1 0.0.12
elasticsearch-1.0  1.0.0
elasticsearch-0    0.4.5
elasticsearch-dsl-0 0.0.11
elasticsearch-0.0  1.0.0
elasticsearch-0.90 0.90.13
elasticsearch-0.90.13 0.0.2
elasticsearch-1.0.0 1.0.0
elasticsearch-1.0.0rc1 1.0.0rc1
elasticsearch-1.0.0rc2 1.0.0rc2
elasticsearch-1.0.0rc3 1.0.0rc3
elasticsearch-1.0.0rc4 1.0.0rc4
elasticsearch-1.0.0rc5 1.0.0rc5
elasticsearch-1.0.0rc6 1.0.0rc6
elasticsearch-1.0.0rc7 1.0.0rc7
elasticsearch-1.0.0rc8 1.0.0rc8
elasticsearch-1.0.0rc9 1.0.0rc9
elasticsearch-1.0.0rc10 1.0.0rc10
elasticsearch-1.0.0rc11 1.0.0rc11
elasticsearch-1.0.0rc12 1.0.0rc12
elasticsearch-1.0.0rc13 1.0.0rc13
elasticsearch-1.0.0rc14 1.0.0rc14
elasticsearch-1.0.0rc15 1.0.0rc15
elasticsearch-1.0.0rc16 1.0.0rc16
elasticsearch-1.0.0rc17 1.0.0rc17
elasticsearch-1.0.0rc18 1.0.0rc18
elasticsearch-1.0.0rc19 1.0.0rc19
elasticsearch-1.0.0rc20 1.0.0rc20
```

```
# Generate random data
np.random.seed(42)
data = np.random.normal(loc=0, scale=1, size=1000)

# Create the histogram
plt.hist(data, bins=30, color='skyblue', edgecolor='black')

# Add labels and title
plt.xlabel('Value')
plt.ylabel('Frequency')
plt.title('Histogram of Random Data')

# Show the plot
plt.show()
```

```
Traceback
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NameError: name 'np' is not defined
```