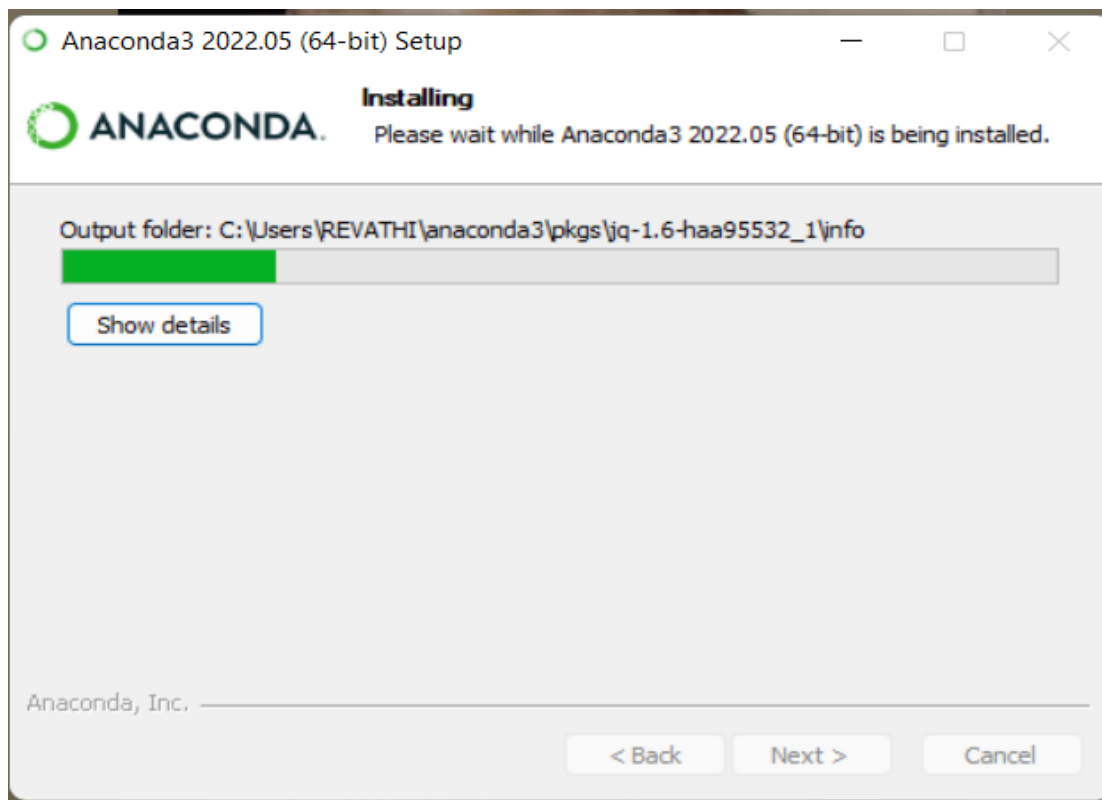
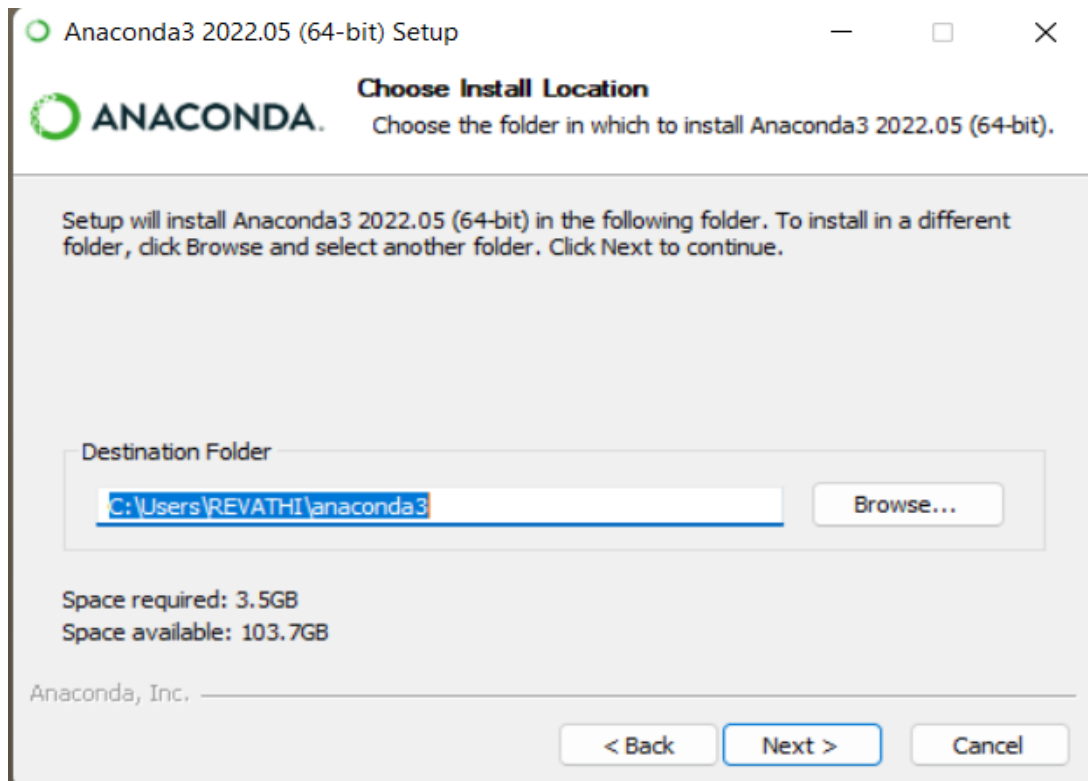
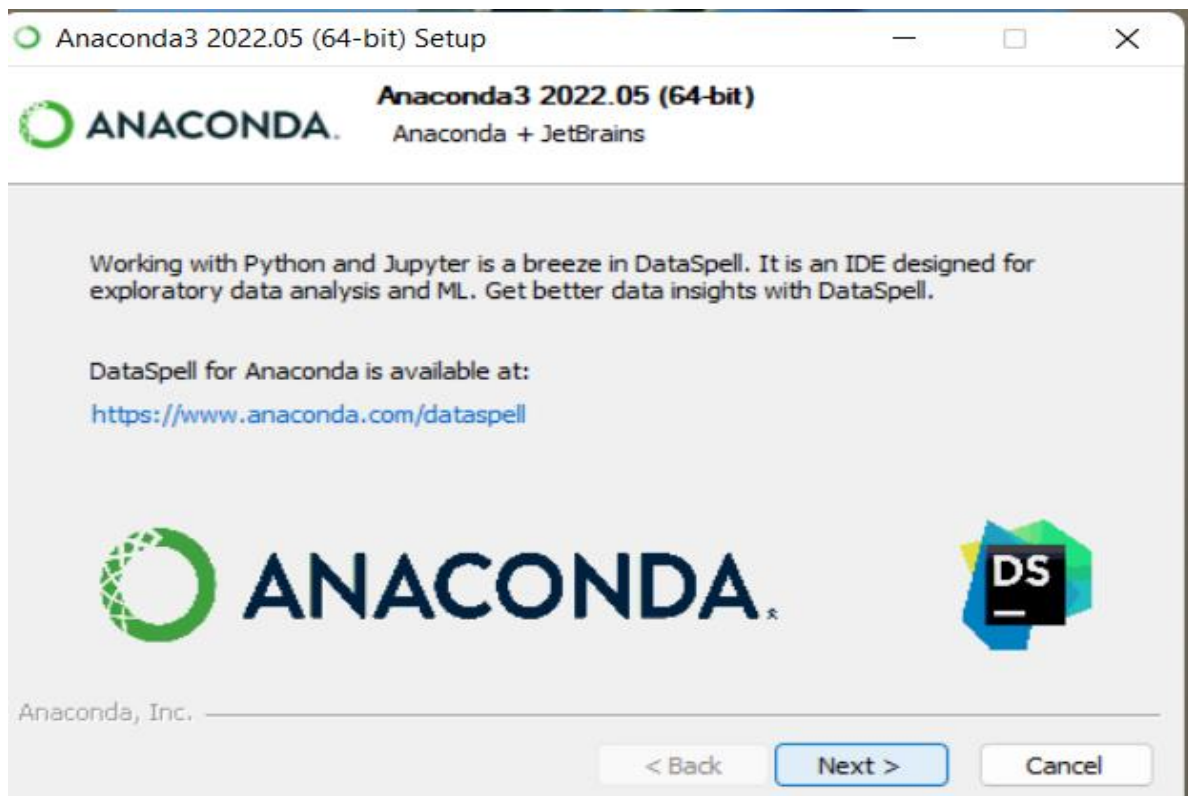


INSTALLATION OF PYTHON PACKAGES

STEP-1: Install Anaconda navigator





STEP-2: Install sklearn in Anaconda prompt

```
(base) C:\Users\REVATHI>pip install sklearn
Collecting sklearn
  Using cached sklearn-0.0.tar.gz (1.1 kB)
Requirement already satisfied: scikit-learn in c:\users\revathi\anaconda3\lib\site-packages (from sklearn) (1.0.2)
Requirement already satisfied: threadpoolctl>=2.0.0 in c:\users\revathi\anaconda3\lib\site-packages (from scikit-learn->sklearn) (2.2.0)
Requirement already satisfied: joblib>=0.11 in c:\users\revathi\anaconda3\lib\site-packages (from scikit-learn->sklearn) (1.1.0)
Requirement already satisfied: scipy>=1.1.0 in c:\users\revathi\anaconda3\lib\site-packages (from scikit-learn->sklearn) (1.7.3)
Requirement already satisfied: numpy>=1.14.6 in c:\users\revathi\anaconda3\lib\site-packages (from scikit-learn->sklearn) (1.21.5)
Building wheels for collected packages: sklearn
  Building wheel for sklearn (setup.py) ... done
  Created wheel for sklearn: filename=sklearn-0.0-py2.py3-none-any.whl size=1310 sha256=bcff97e0f601a706a5fcf0804677fa6bd2abe5b42602aa8dd36287ef53389a1
  Stored in directory: c:\users\revathi\appdata\local\pip\cache\wheels\4e\7b\98\b6466d71b8d738a0c547008b9eb39bf8676d1ff6a4b22af1c
Successfully built sklearn
Installing collected packages: sklearn
Successfully installed sklearn-0.0

(base) C:\Users\REVATHI>
```

STEP-3: INSTALL NUMPY

```
Anaconda Prompt (anaconda3)
Stored in directory: c:\users\revathi\appdata\local\pip\cache\wheels\e4\7b\98\b6466d71b8d738a0c547008b9eb39bf8676d1ff6ca4b22af1c
Successfully built sklearn
Installing collected packages: sklearn
Successfully installed sklearn-0.0

(base) C:\Users\REVATHI>pip install numpy
Requirement already satisfied: numpy in c:\users\revathi\anaconda3\lib\site-packages (1.21.5)

(base) C:\Users\REVATHI>
```

STEP-4: INSTALL PANDAS

```
Anaconda Prompt (anaconda3)
Stored in directory: c:\users\revathi\appdata\local\pip\cache\wheels\e4\7b\98\b6466d71b8d738a0c547008b9eb39bf8676d1ff6ca4b22af1c
Successfully built sklearn
Installing collected packages: sklearn
Successfully installed sklearn-0.0

(base) C:\Users\REVATHI>pip install numpy
Requirement already satisfied: numpy in c:\users\revathi\anaconda3\lib\site-packages (1.21.5)

(base) C:\Users\REVATHI>pip install pandas
Requirement already satisfied: pandas in c:\users\revathi\anaconda3\lib\site-packages (1.4.2)
Requirement already satisfied: python-dateutil>=2.8.1 in c:\users\revathi\anaconda3\lib\site-packages (from pandas) (2.8.2)
Requirement already satisfied: pytz>=2020.1 in c:\users\revathi\anaconda3\lib\site-packages (from pandas) (2021.3)
Requirement already satisfied: numpy>=1.18.5 in c:\users\revathi\anaconda3\lib\site-packages (from pandas) (1.21.5)
Requirement already satisfied: six>=1.5 in c:\users\revathi\anaconda3\lib\site-packages (from python-dateutil>=2.8.1->pandas) (1.16.0)

(base) C:\Users\REVATHI>
```

STEP-5: INSTALL MATPLOTLIB

```
Select Anaconda Prompt (anaconda3)

(base) C:\Users\REVATHI>pip install numpy
Requirement already satisfied: numpy in c:\users\revathi\anaconda3\lib\site-packages (1.21.5)

(base) C:\Users\REVATHI>pip install pandas
Requirement already satisfied: pandas in c:\users\revathi\anaconda3\lib\site-packages (1.4.2)
Requirement already satisfied: python-dateutil>=2.8.1 in c:\users\revathi\anaconda3\lib\site-packages (from pandas) (2.8.2)
Requirement already satisfied: pytz>=2020.1 in c:\users\revathi\anaconda3\lib\site-packages (from pandas) (2021.3)
Requirement already satisfied: numpy>=1.18.5 in c:\users\revathi\anaconda3\lib\site-packages (from pandas) (1.21.5)
Requirement already satisfied: six>=1.5 in c:\users\revathi\anaconda3\lib\site-packages (from python-dateutil>=2.8.1->pandas) (1.16.0)

(base) C:\Users\REVATHI>pip install matplotlib
Requirement already satisfied: matplotlib in c:\users\revathi\anaconda3\lib\site-packages (3.5.1)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\revathi\anaconda3\lib\site-packages (from matplotlib) (2.8.2)
Requirement already satisfied: packaging>=20.0 in c:\users\revathi\anaconda3\lib\site-packages (from matplotlib) (21.3)
Requirement already satisfied: fonttools>=4.22.0 in c:\users\revathi\anaconda3\lib\site-packages (from matplotlib) (4.25.0)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\revathi\anaconda3\lib\site-packages (from matplotlib) (1.3.2)
Requirement already satisfied: pillow>=6.2.0 in c:\users\revathi\anaconda3\lib\site-packages (from matplotlib) (9.0.1)
Requirement already satisfied: cycler>=0.10 in c:\users\revathi\anaconda3\lib\site-packages (from matplotlib) (0.11.0)
Requirement already satisfied: numpy>=1.17 in c:\users\revathi\anaconda3\lib\site-packages (from matplotlib) (1.21.5)
Requirement already satisfied: pyparsing>=2.2.1 in c:\users\revathi\anaconda3\lib\site-packages (from matplotlib) (3.0.4)
Requirement already satisfied: six>=1.5 in c:\users\revathi\anaconda3\lib\site-packages (from python-dateutil>=2.7->matplotlib) (1.16.0)

(base) C:\Users\REVATHI>
```

STEP-6: INSTALL SEABORN

```
Select Anaconda Prompt (anaconda3)

Requirement already satisfied: pyparsing>=2.2.1 in c:\users\revathi\anaconda3\lib\site-packages (from matplotlib) (3.0.4)
Requirement already satisfied: six>=1.5 in c:\users\revathi\anaconda3\lib\site-packages (from python-dateutil>=2.7->matplotlib) (1.16.0)

(base) C:\Users\REVATHI>pip install seaborn
Requirement already satisfied: seaborn in c:\users\revathi\anaconda3\lib\site-packages (0.11.2)
Requirement already satisfied: numpy>=1.15 in c:\users\revathi\anaconda3\lib\site-packages (from seaborn) (1.21.5)
Requirement already satisfied: pandas>=0.23 in c:\users\revathi\anaconda3\lib\site-packages (from seaborn) (1.4.2)
Requirement already satisfied: scipy>=1.0 in c:\users\revathi\anaconda3\lib\site-packages (from seaborn) (1.7.3)
Requirement already satisfied: matplotlib>=2.2 in c:\users\revathi\anaconda3\lib\site-packages (from seaborn) (3.5.1)
Requirement already satisfied: pillow>=6.2.0 in c:\users\revathi\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (9.0.1)
Requirement already satisfied: fonttools>=4.22.0 in c:\users\revathi\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (4.25.0)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\revathi\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (1.3.2)
Requirement already satisfied: packaging>=20.0 in c:\users\revathi\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (21.3)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\revathi\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (2.8.2)
Requirement already satisfied: pyparsing>=2.2.1 in c:\users\revathi\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (3.0.4)
Requirement already satisfied: cycler>=0.10 in c:\users\revathi\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (0.11.0)
Requirement already satisfied: pytz>=2020.1 in c:\users\revathi\anaconda3\lib\site-packages (from pandas>=0.23->seaborn) (2021.3)
Requirement already satisfied: six>=1.5 in c:\users\revathi\anaconda3\lib\site-packages (from python-dateutil>=2.7->matplotlib>=2.2->seaborn) (1.16.0)

(base) C:\Users\REVATHI>
```

STEP-7: INSTALL TENSORFLOW

```
Select Anaconda Prompt (anaconda3) - pip install tensorflow

.5.3, 2.6.0rc0, 2.6.0rc1, 2.6.0rc2, 2.6.0, 2.6.1, 2.6.2, 2.6.3, 2.6.4, 2.6.5, 2.7.0rc0, 2.7.0rc1, 2.7.0, 2.7.1, 2.7.2, 2.7.3, 2.7.4, 2.8.0rc0, 2.8.0rc1, 2.8.0, 2.8.1, 2.8.2, 2.8.3, 2.9.0rc0, 2.9.0rc1, 2.9.0rc2, 2.9.0, 2.9.1, 2.9.2, 2.10.0rc0, 2.10.0rc1, 2.10.0rc2, 2.10.0rc3, 2.10.0)
ERROR: No matching distribution found for tensorflow==1.14.0

(base) C:\Users\REVATHI>pip install tensorflow
Collecting tensorflow
  Downloading tensorflow-2.10.0-cp39-cp39-win_amd64.whl (455.9 MB)
    |████████████████████████████████████████| 455.9 MB 886 bytes/s
Collecting keras-preprocessing>=1.1.1
  Downloading Keras_Preprocessing-1.1.2-py2.py3-none-any.whl (42 kB)
    |████████████████████████████████████████| 42 kB 5.9 kB/s
Requirement already satisfied: numpy>=1.20 in c:\users\revathi\anaconda3\lib\site-packages (from tensorflow) (1.21.5)
Collecting absl-py>=1.0.0
  Downloading absl_py-1.3.0-py3-none-any.whl (124 kB)
    |████████████████████████████████████████| 124 kB 312 kB/s
Collecting flatbuffers>=2.0
  Downloading flatbuffers-22.9.24-py2.py3-none-any.whl (26 kB)
Collecting opt-einsum>=2.3.2
  Downloading opt_einsum-3.3.0-py3-none-any.whl (65 kB)
    |████████████████████████████████████████| 65 kB 26 kB/s
Requirement already satisfied: wrapt>=1.11.0 in c:\users\revathi\anaconda3\lib\site-packages (from tensorflow) (1.12.1)
Requirement already satisfied: h5py>=2.9.0 in c:\users\revathi\anaconda3\lib\site-packages (from tensorflow) (3.6.0)
Requirement already satisfied: setuptools in c:\users\revathi\anaconda3\lib\site-packages (from tensorflow) (61.2.0)
Requirement already satisfied: six>=1.12.0 in c:\users\revathi\anaconda3\lib\site-packages (from tensorflow) (1.16.0)
Collecting tensorflow-estimator<2.11,>=2.10.0
  Downloading tensorflow_estimator-2.10.0-py2.py3-none-any.whl (438 kB)
    |████████████████████████████████████████| 438 kB 100 kB/s
Collecting libclang>=13.0.0
  Downloading libclang-14.0.6-py2.py3-none-win_amd64.whl (14.2 MB)
```

STEP-8: INSTALL KERAS

```
Select Anaconda Prompt (anaconda3)

(base) C:\Users\REVATHI>pip install keras=2.2.4
ERROR: Invalid requirement: 'keras=2.2.4'
hint: = is not a valid operator. Did you mean == ?

(base) C:\Users\REVATHI>pip install keras==2.2.4
Collecting keras==2.2.4
  Downloading Keras-2.2.4-py2.py3-none-any.whl (312 kB)
    |████████████████████████████████████████| 312 kB 85 kB/s
Requirement already satisfied: keras-preprocessing>=1.0.5 in c:\users\revathi\anaconda3\lib\site-packages (from keras==2.2.4) (1.1.2)
Requirement already satisfied: numpy>=1.9.1 in c:\users\revathi\anaconda3\lib\site-packages (from keras==2.2.4) (1.21.5)
Requirement already satisfied: pyyaml in c:\users\revathi\anaconda3\lib\site-packages (from keras==2.2.4) (6.0)
Requirement already satisfied: scipy>=0.14 in c:\users\revathi\anaconda3\lib\site-packages (from keras==2.2.4) (1.7.3)
Requirement already satisfied: six>=1.9.0 in c:\users\revathi\anaconda3\lib\site-packages (from keras==2.2.4) (1.16.0)
Collecting keras-applications>=1.0.6
  Downloading Keras_Applications-1.0.8-py3-none-any.whl (50 kB)
    |████████████████████████████████████████| 50 kB 77 kB/s
Requirement already satisfied: h5py in c:\users\revathi\anaconda3\lib\site-packages (from keras==2.2.4) (3.6.0)
Installing collected packages: keras-applications, keras
  Attempting uninstall: keras
    Found existing installation: keras 2.10.0
    Uninstalling keras-2.10.0:
      Successfully uninstalled keras-2.10.0
ERROR: pip's dependency resolver does not currently take into account all the packages that are installed. This behaviour is the source of the following dependency conflicts.
tensorflow 2.10.0 requires keras<2.11,>=2.10.0, but you have keras 2.2.4 which is incompatible.
Successfully installed keras-2.2.4 keras-applications-1.0.8
```

STEP-9: INSTALL OPENCV PYTHON

```
Select Anaconda Prompt (anaconda3)

Downloading Keras_Applications-1.0.8-py3-none-any.whl (50 kB)
| 50 kB 77 kB/s
Requirement already satisfied: h5py in c:\users\revathi\anaconda3\lib\site-packages (from keras==2.2.4) (3.6.0)
Installing collected packages: keras-applications, keras
  Attempting uninstall: keras
    Found existing installation: keras 2.10.0
    Uninstalling keras-2.10.0:
      Successfully uninstalled keras-2.10.0
ERROR: pip's dependency resolver does not currently take into account all the packages that are installed. This behavior
is the source of the following dependency conflicts.
tensorflow 2.10.0 requires keras<2.11,>=2.10.0, but you have keras 2.2.4 which is incompatible.
Successfully installed keras-2.2.4 keras-applications-1.0.8

(base) C:\Users\REVATHI> pip install opencv-python==4.1.0.25
ERROR: Could not find a version that satisfies the requirement opencv-python==4.1.0.25 (from versions: 3.4.0.14, 3.4.10
.37, 3.4.11.39, 3.4.11.41, 3.4.11.43, 3.4.11.45, 3.4.13.47, 3.4.14.51, 3.4.14.53, 3.4.15.55, 3.4.16.57, 3.4.16.59, 3.4.17
.61, 3.4.17.63, 3.4.18.65, 4.3.0.38, 4.4.0.40, 4.4.0.42, 4.4.0.44, 4.4.0.46, 4.5.1.48, 4.5.2.52, 4.5.2.54, 4.5.3.56, 4.5
.4.58, 4.5.4.60, 4.5.5.62, 4.5.5.64, 4.6.0.66)
ERROR: No matching distribution found for opencv-python==4.1.0.25

(base) C:\Users\REVATHI> pip install opencv-python
Collecting opencv-python
  Downloading opencv_python-4.6.0.66-cp36-abi3-win_amd64.whl (35.6 MB)
| 35.6 MB 168 kB/s
Requirement already satisfied: numpy>=1.19.3 in c:\users\revathi\anaconda3\lib\site-packages (from opencv-python) (1.21.
5)
Installing collected packages: opencv-python
Successfully installed opencv-python-4.6.0.66
```

STEP-10: INSTALL IMULTIS

```
Select Anaconda Prompt (anaconda3)

(base) C:\Users\REVATHI> pip install opencv-python==4.1.0.25
ERROR: Could not find a version that satisfies the requirement opencv-python==4.1.0.25 (from versions: 3.4.0.14, 3.4.10
.37, 3.4.11.39, 3.4.11.41, 3.4.11.43, 3.4.11.45, 3.4.13.47, 3.4.14.51, 3.4.14.53, 3.4.15.55, 3.4.16.57, 3.4.16.59, 3.4.17
.61, 3.4.17.63, 3.4.18.65, 4.3.0.38, 4.4.0.40, 4.4.0.42, 4.4.0.44, 4.4.0.46, 4.5.1.48, 4.5.2.52, 4.5.2.54, 4.5.3.56, 4.5
.4.58, 4.5.4.60, 4.5.5.62, 4.5.5.64, 4.6.0.66)
ERROR: No matching distribution found for opencv-python==4.1.0.25

(base) C:\Users\REVATHI> pip install opencv-python
Collecting opencv-python
  Downloading opencv_python-4.6.0.66-cp36-abi3-win_amd64.whl (35.6 MB)
| 35.6 MB 168 kB/s
Requirement already satisfied: numpy>=1.19.3 in c:\users\revathi\anaconda3\lib\site-packages (from opencv-python) (1.21.
5)
Installing collected packages: opencv-python
Successfully installed opencv-python-4.6.0.66

(base) C:\Users\REVATHI> pip install imutils
Collecting imutils
  Downloading imutils-0.5.4.tar.gz (17 kB)
Building wheels for collected packages: imutils
  Building wheel for imutils (setup.py) ... done
  Created wheel for imutils: filename=imutils-0.5.4-py3-none-any.whl size=25872 sha256=84e42b078dca2bf1448cd72561dc25e60
aec1587b76aa550bfc2d3e661f7098f
  Stored in directory: c:\users\revathi\appdata\local\pip\cache\wheels\4b\45\2d\4a070a801d3a3d93f033d3ee9728f470f514826e
89952df3ea
Successfully built imutils
Installing collected packages: imutils
Successfully installed imutils-0.5.4
```


STEP-11: INSTALL FLASK

```
Select Anaconda Prompt (anaconda3)

Requirement already satisfied: numpy>=1.19.3 in c:\users\revathi\anaconda3\lib\site-packages (from opencv-python) (1.21.5)
Installing collected packages: opencv-python
Successfully installed opencv-python-4.6.0.66

(base) C:\Users\REVATHI>pip install imutils
Collecting imutils
  Downloading imutils-0.5.4.tar.gz (17 kB)
Building wheels for collected packages: imutils
  Building wheel for imutils (setup.py) ... done
  Created wheel for imutils: filename=imutils-0.5.4-py3-none-any.whl size=25872 sha256=84e42b078dca2bf1448cd72561dc25e60aec1587b76aa550bfc2d3e661f7098f
  Stored in directory: c:\users\revathi\appdata\local\pip\cache\wheels\4b\45\2d\4a070a801d3a3d93f033d3ee9728f470f514826e89952df3ea
Successfully built imutils
Installing collected packages: imutils
Successfully installed imutils-0.5.4

(base) C:\Users\REVATHI>pip install flask
Requirement already satisfied: flask in c:\users\revathi\anaconda3\lib\site-packages (1.1.2)
Requirement already satisfied: Jinja2>=2.10.1 in c:\users\revathi\anaconda3\lib\site-packages (from flask) (2.11.3)
Requirement already satisfied: Werkzeug>=0.15 in c:\users\revathi\anaconda3\lib\site-packages (from flask) (2.0.3)
Requirement already satisfied: click>=5.1 in c:\users\revathi\anaconda3\lib\site-packages (from flask) (8.0.4)
Requirement already satisfied: itsdangerous>=0.24 in c:\users\revathi\anaconda3\lib\site-packages (from flask) (2.0.1)
Requirement already satisfied: colorama in c:\users\revathi\anaconda3\lib\site-packages (from click>=5.1->flask) (0.4.4)
Requirement already satisfied: MarkupSafe>=0.23 in c:\users\revathi\anaconda3\lib\site-packages (from Jinja2>=2.10.1->flask) (2.0.1)

(base) C:\Users\REVATHI>
```

STEP-12: INSTALL PROGRESS BAR

```
Select Anaconda Prompt (anaconda3)

Successfully built imutils
Installing collected packages: imutils
Successfully installed imutils-0.5.4

(base) C:\Users\REVATHI>pip install flask
Requirement already satisfied: flask in c:\users\revathi\anaconda3\lib\site-packages (1.1.2)
Requirement already satisfied: Jinja2>=2.10.1 in c:\users\revathi\anaconda3\lib\site-packages (from flask) (2.11.3)
Requirement already satisfied: Werkzeug>=0.15 in c:\users\revathi\anaconda3\lib\site-packages (from flask) (2.0.3)
Requirement already satisfied: click>=5.1 in c:\users\revathi\anaconda3\lib\site-packages (from flask) (8.0.4)
Requirement already satisfied: itsdangerous>=0.24 in c:\users\revathi\anaconda3\lib\site-packages (from flask) (2.0.1)
Requirement already satisfied: colorama in c:\users\revathi\anaconda3\lib\site-packages (from click>=5.1->flask) (0.4.4)
Requirement already satisfied: MarkupSafe>=0.23 in c:\users\revathi\anaconda3\lib\site-packages (from Jinja2>=2.10.1->flask) (2.0.1)

(base) C:\Users\REVATHI>pip install progressbar33==2.4
Collecting progressbar33==2.4
  Downloading progressbar33-2.4.tar.gz (10 kB)
Building wheels for collected packages: progressbar33
  Building wheel for progressbar33 (setup.py) ... done
  Created wheel for progressbar33: filename=progressbar33-2.4-py3-none-any.whl size=12156 sha256=ed1f6d011b1f1db798e00ae2c3d41e314864107a511f92effe0e886e292b1609
  Stored in directory: c:\users\revathi\appdata\local\pip\cache\wheels\b1\84\d4\f9af63e5362a7a4d5b9aada124c81642569fbd53c6e5220a3d
Successfully built progressbar33
Installing collected packages: progressbar33
Successfully installed progressbar33-2.4

(base) C:\Users\REVATHI>
```

STEP-13: INSTALL PLAYSOUND

```
Select Anaconda Prompt (anaconda3)

ask) (2.0.1)

(base) C:\Users\REVATHI>pip install progressbar33==2.4
Collecting progressbar33==2.4
  Downloading progressbar33-2.4.tar.gz (10 kB)
Building wheels for collected packages: progressbar33
  Building wheel for progressbar33 (setup.py) ... done
  Created wheel for progressbar33: filename=progressbar33-2.4-py3-none-any.whl size=12156 sha256=ed1f6d011b1f1db798e00ae2c3d41e314864107a511f92effe0e886e292b1609
  Stored in directory: c:\users\revathi\appdata\local\pip\cache\wheels\b1\84\d4\f9af63e5362a7a4d5b9aada124c81642569fbd53c6e5220a3d
Successfully built progressbar33
Installing collected packages: progressbar33
Successfully installed progressbar33-2.4

(base) C:\Users\REVATHI>
(base) C:\Users\REVATHI>pip install playsound==1.3.0
Collecting playsound==1.3.0
  Downloading playsound-1.3.0.tar.gz (7.7 kB)
Building wheels for collected packages: playsound
  Building wheel for playsound (setup.py) ... done
  Created wheel for playsound: filename=playsound-1.3.0-py3-none-any.whl size=7035 sha256=b11131084a613ecb14869272424360f3752127aa226897e10020371ad81ec7c5
  Stored in directory: c:\users\revathi\appdata\local\pip\cache\wheels\ba\39\54\c8f7ff9a88a644d3c58b4dec802d90b79a2e0fb2a6b884bf82
Successfully built playsound
Installing collected packages: playsound
Successfully installed playsound-1.3.0

(base) C:\Users\REVATHI>
```