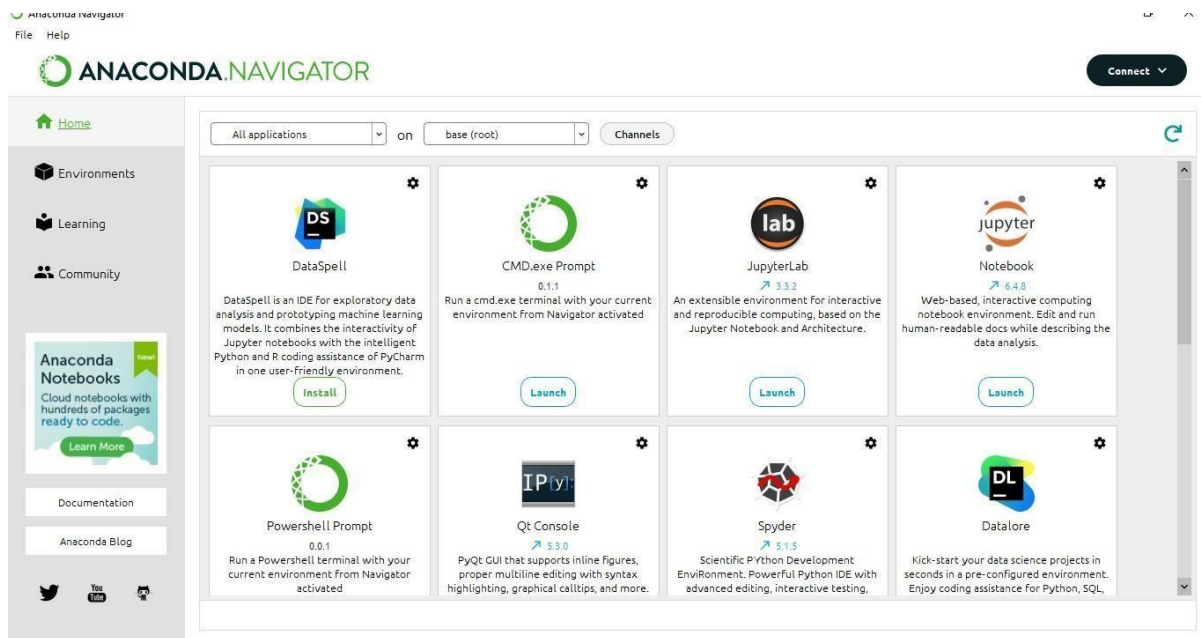


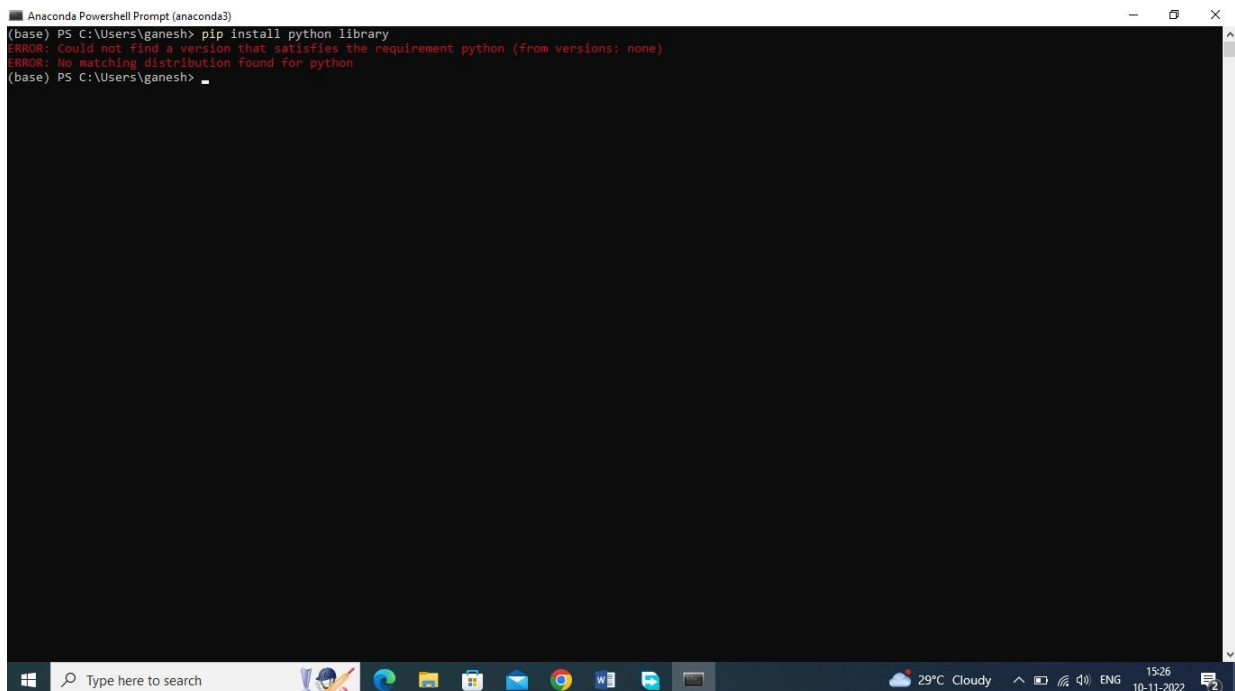
# INSTALLING PYTHON PACKAGE

TEAM ID:PNT2022TMID46533

**Step 1:** Open the anaconda navigator. In the star menu



**Step 2:** open the CMD.exe prompt



### Step 3: install the jupyter notebook package.

To enter the package enter the command in the CMD.exe Command: **Pip install jupyter notebook**

### JUPYTER NOTEBOOK:

```

Anaconda Powershell Prompt (anaconda3)
(base) PS C:\Users\ganesh> pip install jupyter notebook
Requirement already satisfied: jupyter in c:\users\ganesh\anaconda3\lib\site-packages (1.0.0)
Requirement already satisfied: notebook in c:\users\ganesh\anaconda3\lib\site-packages (6.4.12)
Requirement already satisfied: jupyter-console in c:\users\ganesh\anaconda3\lib\site-packages (from jupyter) (6.4.3)
Requirement already satisfied: qtconsole in c:\users\ganesh\anaconda3\lib\site-packages (from jupyter) (5.2.2)
Requirement already satisfied: nbconvert in c:\users\ganesh\anaconda3\lib\site-packages (from jupyter) (6.4.4)
Requirement already satisfied: ipywidgets in c:\users\ganesh\anaconda3\lib\site-packages (from jupyter) (7.6.5)
Requirement already satisfied: ipykernel in c:\users\ganesh\anaconda3\lib\site-packages (from jupyter) (6.15.2)
Requirement already satisfied: prometheus-client in c:\users\ganesh\anaconda3\lib\site-packages (from notebook) (0.14.1)
Requirement already satisfied: nest-asyncio<1.5 in c:\users\ganesh\anaconda3\lib\site-packages (from notebook) (1.5.5)
Requirement already satisfied: pyzmq>17 in c:\users\ganesh\anaconda3\lib\site-packages (from notebook) (23.2.0)
Requirement already satisfied: traitlets>4.2.1 in c:\users\ganesh\anaconda3\lib\site-packages (from notebook) (5.1.1)
Requirement already satisfied: terminado>0.8.3 in c:\users\ganesh\anaconda3\lib\site-packages (from notebook) (0.13.1)
Requirement already satisfied: Send2Trash>1.8.0 in c:\users\ganesh\anaconda3\lib\site-packages (from notebook) (1.8.0)
Requirement already satisfied: jupyter-core>4.6.1 in c:\users\ganesh\anaconda3\lib\site-packages (from notebook) (4.11.1)
Requirement already satisfied: nbformat in c:\users\ganesh\anaconda3\lib\site-packages (from notebook) (5.5.0)
Requirement already satisfied: tornado>6.1 in c:\users\ganesh\anaconda3\lib\site-packages (from notebook) (6.1)
Requirement already satisfied: argon2-cffi in c:\users\ganesh\anaconda3\lib\site-packages (from notebook) (21.3.0)
Requirement already satisfied: Jinja2 in c:\users\ganesh\anaconda3\lib\site-packages (from notebook) (2.11.3)
Requirement already satisfied: ipython-genutils in c:\users\ganesh\anaconda3\lib\site-packages (from notebook) (0.2.0)
Requirement already satisfied: jupyter-client>5.3.4 in c:\users\ganesh\anaconda3\lib\site-packages (from notebook) (7.3.4)
Requirement already satisfied: entrypoints in c:\users\ganesh\anaconda3\lib\site-packages (from jupyter-client>5.3.4->notebook) (0.4)
Requirement already satisfied: python-dateutil>2.8.2 in c:\users\ganesh\anaconda3\lib\site-packages (from jupyter-client>5.3.4->notebook) (2.8.2)
Requirement already satisfied: pywin32>1.0 in c:\users\ganesh\anaconda3\lib\site-packages (from jupyter-core>4.6.1->notebook) (302)
Requirement already satisfied: mistune<2.0.8.1 in c:\users\ganesh\anaconda3\lib\site-packages (from nbconvert->jupyter) (0.8.4)
Requirement already satisfied: jupyterlab-pygments in c:\users\ganesh\anaconda3\lib\site-packages (from nbconvert->jupyter) (0.1.2)
Requirement already satisfied: bleach in c:\users\ganesh\anaconda3\lib\site-packages (from nbconvert->jupyter) (4.1.0)
Requirement already satisfied: gunicorn>1.4.1 in c:\users\ganesh\anaconda3\lib\site-packages (from nbconvert->jupyter) (1.5.0)
Requirement already satisfied: pygments>2.4.1 in c:\users\ganesh\anaconda3\lib\site-packages (from nbconvert->jupyter) (2.11.2)
Requirement already satisfied: beautifulsoup4 in c:\users\ganesh\anaconda3\lib\site-packages (from nbconvert->jupyter) (4.11.1)
Requirement already satisfied: defusedxml in c:\users\ganesh\anaconda3\lib\site-packages (from nbconvert->jupyter) (0.7.1)
Requirement already satisfied: nbclient>0.6.0, >=0.5.0 in c:\users\ganesh\anaconda3\lib\site-packages (from nbconvert->jupyter) (0.5.13)
Requirement already satisfied: testpath in c:\users\ganesh\anaconda3\lib\site-packages (from nbconvert->jupyter) (0.6.0)
Requirement already satisfied: MarkupSafe>0.23 in c:\users\ganesh\anaconda3\lib\site-packages (from Jinja2->notebook) (2.0.1)
Requirement already satisfied: fastjsonschema in c:\users\ganesh\anaconda3\lib\site-packages (from nbformat->notebook) (2.16.2)
Requirement already satisfied: jsonschema>2.6 in c:\users\ganesh\anaconda3\lib\site-packages (from nbformat->notebook) (4.16.0)
Requirement already satisfied: pywinpty>1.1.0 in c:\users\ganesh\anaconda3\lib\site-packages (from terminado>0.8.3->notebook) (2.0.2)
Requirement already satisfied: argon2-cffi-bindings in c:\users\ganesh\anaconda3\lib\site-packages (from argon2-cffi->notebook) (21.2.0)
Requirement already satisfied: ipython>7.23.1 in c:\users\ganesh\anaconda3\lib\site-packages (from ipykernel->jupyter) (7.31.1)
Requirement already satisfied: psutil in c:\users\ganesh\anaconda3\lib\site-packages (from ipykernel->jupyter) (5.9.0)
Requirement already satisfied: debugpy>1.0 in c:\users\ganesh\anaconda3\lib\site-packages (from ipykernel->jupyter) (1.5.1)
Requirement already satisfied: matplotlib-inline>0.1 in c:\users\ganesh\anaconda3\lib\site-packages (from ipykernel->jupyter) (0.1.6)
Requirement already satisfied: packaging in c:\users\ganesh\anaconda3\lib\site-packages (from ipykernel->jupyter) (21.3)
Requirement already satisfied: widgetsnbextension>3.5.0 in c:\users\ganesh\anaconda3\lib\site-packages (from ipywidgets->jupyter) (3.5.2)

```

### Step 4: Install spyder

Cmd.exe command: **pip install spyder**

```

Anaconda Powershell Prompt (anaconda3)
Requirement already satisfied: soupsieve>1.2 in c:\users\ganesh\anaconda3\lib\site-packages (from beautifulsoup4->nbconvert->jupyter) (2.3.1)
Requirement already satisfied: webencodings in c:\users\ganesh\anaconda3\lib\site-packages (from bleach->nbconvert->jupyter) (0.5.1)
Requirement already satisfied: pyparsing>3.0.5, >=2.0.2 in c:\users\ganesh\anaconda3\lib\site-packages (from packaging->ipykernel->jupyter) (3.0.9)
Requirement already satisfied: pyparser in c:\users\ganesh\anaconda3\lib\site-packages (from cffi>1.0.1->argon2-cffi-bindings->argon2-cffi->notebook) (2.21)
Requirement already satisfied: parso<0.9.0, >=0.8.0 in c:\users\ganesh\anaconda3\lib\site-packages (from jedi>0.16->ipython>7.23.1->ipykernel->jupyter) (0.8.3)
(base) PS C:\Users\ganesh> pip install spyder
Requirement already satisfied: spyder in c:\users\ganesh\anaconda3\lib\site-packages (5.2.2)
Requirement already satisfied: qtpy>1.5.0 in c:\users\ganesh\anaconda3\lib\site-packages (from spyder) (2.2.0)
Requirement already satisfied: watchdog>0.10.3 in c:\users\ganesh\anaconda3\lib\site-packages (from spyder) (2.1.6)
Requirement already satisfied: jellyfish>0.7 in c:\users\ganesh\anaconda3\lib\site-packages (from spyder) (0.9.0)
Requirement already satisfied: qtaesoms in c:\users\ganesh\anaconda3\lib\site-packages (from spyder) (1.0.3)
Requirement already satisfied: qtconsole<5.3.0, >=5.2.1 in c:\users\ganesh\anaconda3\lib\site-packages (from spyder) (5.2.2)
Requirement already satisfied: pygments>2.0 in c:\users\ganesh\anaconda3\lib\site-packages (from spyder) (2.11.2)
Requirement already satisfied: spyder-kernels<2.3.0, >=2.2.1 in c:\users\ganesh\anaconda3\lib\site-packages (from spyder) (2.2.1)
Requirement already satisfied: pyls-spyder>0.4.0 in c:\users\ganesh\anaconda3\lib\site-packages (from spyder) (0.4.0)
Requirement already satisfied: keyring>17.0.0 in c:\users\ganesh\anaconda3\lib\site-packages (from spyder) (23.4.0)
Requirement already satisfied: qdarkstyle>3.0.2 in c:\users\ganesh\anaconda3\lib\site-packages (from spyder) (3.0.2)
Requirement already satisfied: jsonschema>3.2.0 in c:\users\ganesh\anaconda3\lib\site-packages (from spyder) (4.16.0)
Requirement already satisfied: psutil>5.3 in c:\users\ganesh\anaconda3\lib\site-packages (from spyder) (5.9.0)
Requirement already satisfied: paramiko>2.4.0 in c:\users\ganesh\anaconda3\lib\site-packages (from spyder) (2.8.1)
Requirement already satisfied: three-merge>0.1.1 in c:\users\ganesh\anaconda3\lib\site-packages (from spyder) (0.1.1)
Requirement already satisfied: qstylizer>0.1.10 in c:\users\ganesh\anaconda3\lib\site-packages (from spyder) (0.1.10)
collecting pyqtwebengine<5.13
Downloading PyQtWebEngine-5.12.1-5.12.10-cp35.cp36.cp37.cp38.cp39-none-win_amd64.whl (49.7 MB)
--
2.9/49.7 MB 49.8 kB/s eta 0:15:41

```

### Step 5: install numpy package

CMD.exeCommand: **pip install numpy**

## **NUMPY :**

Numpy: This package is used to perform numerical computations. This package is pre-installed in anaconda . NumPy is used for working with arrays. NumPy is short for "Numerical Python"

```
Requirement already satisfied: arrow in c:\users\ganesh\anaconda3\lib\site-packages (from jinja2-time>=0.2.0->cookiecutter>=1.6.0->spyder) (1.2.2)
Requirement already satisfied: python-dateutil>=2.8.2 in c:\users\ganesh\anaconda3\lib\site-packages (from jupyter-client>=4.1->qtconsole<5.3.0,>=5.2.1->spyder) (2.8.2)
Requirement already satisfied: pywin32>=1.0 in c:\users\ganesh\anaconda3\lib\site-packages (from jupyter-core->nbconvert>=4.0->spyder) (302)
Requirement already satisfied: fastjsonschema in c:\users\ganesh\anaconda3\lib\site-packages (from nbformat>=4.4->nbconvert>=4.0->spyder) (2.16.2)
Requirement already satisfied: wcwidth in c:\users\ganesh\anaconda3\lib\site-packages (from prompt-toolkit!=3.0.0,!<3.0.1,<3.1.0,>=2.0.0->ipython<8.0.0,>=7.6.0->spyder) (0.2.5)
Requirement already satisfied: text-unidecode>=1.3 in c:\users\ganesh\anaconda3\lib\site-packages (from python-slugify>=4.0.0->cookiecutter>=1.6.0->spyder) (1.3)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\ganesh\anaconda3\lib\site-packages (from requests>=2.23.0->cookiecutter>=1.6.0->spyder) (1.26.11)
Requirement already satisfied: idna<4,>=2.5 in c:\users\ganesh\anaconda3\lib\site-packages (from requests>=2.23.0->cookiecutter>=1.6.0->spyder) (3.3)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\ganesh\anaconda3\lib\site-packages (from requests>=2.23.0->cookiecutter>=1.6.0->spyder) (2022.9.14)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\ganesh\anaconda3\lib\site-packages (from requests>=2.23.0->cookiecutter>=1.6.0->spyder) (2.0.4)
Requirement already satisfied: soupsieve>1.2 in c:\users\ganesh\anaconda3\lib\site-packages (from beautifulsoup4->nbconvert>=4.0->spyder) (2.3.1)
Requirement already satisfied: webencodings in c:\users\ganesh\anaconda3\lib\site-packages (from bleach->nbconvert>=4.0->spyder) (0.5.1)
Requirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in c:\users\ganesh\anaconda3\lib\site-packages (from packaging->qtpy>=1.5.0->spyder) (3.0.9)
Requirement already satisfied: pycparser in c:\users\ganesh\anaconda3\lib\site-packages (from cffi>=1.1->bcrypt>=3.1.3->paramiko>=2.4.0->spyder) (2.21)
Installing collected packages: PyQt5_sip, pyqt5, pyqtwebengine
Successfully installed PyQt5_sip-12.11.0 pyqt5-5.12.3 pyqtwebengine-5.12.1
(base) PS C:\Users\ganesh> -pip install numpy
-pip : The term '-pip' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, or if a path was
included, verify that the path is correct and try again.
At line:1 char:1
~ -pip install numpy
~ ~~~~~
+ CategoryInfo          : ObjectNotFound: (-pip:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException

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

**Step 6:** Install the **pandas** package . To enter the **pandas** package enter the command in the

CMD.exeCommand: **Pip install pandas**

## **Pandas :**

Pandas is one of the most widely used python libraries in data science. It provides high-performance, easy to use structures, and data analysis tools. This package is pre-installed in anaconda. is an open-source library that is built on top of NumPy library. It is a Python package that offers various data

structures and operations for manipulating numerical data and time series. It is mainly popular for importing and analyzing data much easier. Pandas is fast and it has high-performance & productivity for users.

```

Anaconda Powershell Prompt (anaconda3)
Requirement already satisfied: cffi>=1.1 in c:\users\ganesh\anaconda3\lib\site-packages (from bcrypt>=3.1.3->paramiko>=2.4.0->spyder) (1.15.1)
Requirement already satisfied: pathspec>=0.9.0 in c:\users\ganesh\anaconda3\lib\site-packages (from black>=19.3b0->python-lsp-black>=1.0.0->spyder) (0.9.0)
Requirement already satisfied: mypy>=0.4.3 in c:\users\ganesh\anaconda3\lib\site-packages (from black>=19.3b0->python-lsp-black>=1.0.0->spyder) (0.4.3)
Requirement already satisfied: zipp>=0.5 in c:\users\ganesh\anaconda3\lib\site-packages (from importlib-metadata>=3.6->keyring>=17.0.0->spyder) (3.8.0)
Requirement already satisfied: debugpy>=1.0 in c:\users\ganesh\anaconda3\lib\site-packages (from ipykernel>=4.1->qtconsole<5.3.0,>=5.2.1->spyder) (1.5.1)
Requirement already satisfied: tornado>=6.1 in c:\users\ganesh\anaconda3\lib\site-packages (from ipykernel>=4.1->qtconsole<5.3.0,>=5.2.1->spyder) (6.1)
Requirement already satisfied: nest-asyncio in c:\users\ganesh\anaconda3\lib\site-packages (from ipykernel>=4.1->qtconsole<5.3.0,>=5.2.1->spyder) (1.5.5)
Requirement already satisfied: MarkupSafe>=0.23 in c:\users\ganesh\anaconda3\lib\site-packages (from Jinja2<4.0.0,>=2.7->cookiecutter>=1.6.0->spyder) (2.0.1)
Requirement already satisfied: arrow in c:\users\ganesh\anaconda3\lib\site-packages (from Jinja2-time>=0.2.0->cookiecutter>=1.6.0->spyder) (1.2.2)
Requirement already satisfied: python-dateutil>=2.8.2 in c:\users\ganesh\anaconda3\lib\site-packages (from jupyter-client>=4.1->qtconsole<5.3.0,>=5.2.1->spyder) (2.8.2)

Requirement already satisfied: pywin32>=1.0 in c:\users\ganesh\anaconda3\lib\site-packages (from jupyter-core>nbconvert>=4.0->spyder) (302)
Requirement already satisfied: fastjsonschema in c:\users\ganesh\anaconda3\lib\site-packages (from nbformat>=4.4->nbconvert>=4.0->spyder) (2.16.2)
Requirement already satisfied: wcwidth in c:\users\ganesh\anaconda3\lib\site-packages (from prompt-toolkit<3.0.0,l=3.0.1,<3.1.0,>=2.0.0->ipython<8.0.0,>=7.6.0->spyder) (0.2.5)
Requirement already satisfied: text-unidecode>=1.3 in c:\users\ganesh\anaconda3\lib\site-packages (from python-slugify>=4.0.0->cookiecutter>=1.6.0->spyder) (1.3)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\ganesh\anaconda3\lib\site-packages (from requests>=2.23.0->cookiecutter>=1.6.0->spyder) (1.26.11)
Requirement already satisfied: idna<4,>=2.5 in c:\users\ganesh\anaconda3\lib\site-packages (from requests>=2.23.0->cookiecutter>=1.6.0->spyder) (3.3)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\ganesh\anaconda3\lib\site-packages (from requests>=2.23.0->cookiecutter>=1.6.0->spyder) (2022.9.14)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\ganesh\anaconda3\lib\site-packages (from requests>=2.23.0->cookiecutter>=1.6.0->spyder) (2.0.4)
Requirement already satisfied: soupsieve>1.2 in c:\users\ganesh\anaconda3\lib\site-packages (from BeautifulSoup4->nbconvert>=4.0->spyder) (2.3.1)
Requirement already satisfied: webencodings in c:\users\ganesh\anaconda3\lib\site-packages (from bleach->nbconvert>=4.0->spyder) (0.5.1)
Requirement already satisfied: pyparsing<3.0.5,>=2.0.2 in c:\users\ganesh\anaconda3\lib\site-packages (from packaging->qtpy>=1.5.0->spyder) (3.0.9)
Requirement already satisfied: pycparser in c:\users\ganesh\anaconda3\lib\site-packages (from cffi>=1.1->bcrypt>=3.1.3->paramiko>=2.4.0->spyder) (2.21)
Installing collected packages: PyQt5_sip, pyqt5, pyqtwebengine
Successfully installed PyQt5_sip-12.11.0 pyqt5-5.12.3 pyqtwebengine-5.12.1
(base) PS C:\Users\ganesh> -pip install numpy
-pip : The term '-pip' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, or if a path was
included, verify that the path is correct and try again.
At line:1 char:1
+ -pip install numpy
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (-pip:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException

(base) PS C:\Users\ganesh> pip install numpy
Requirement already satisfied: numpy in c:\users\ganesh\anaconda3\lib\site-packages (1.21.5)
(base) PS C:\Users\ganesh> pip install pandas
Requirement already satisfied: pandas in c:\users\ganesh\anaconda3\lib\site-packages (1.4.4)
Requirement already satisfied: python-dateutil>=2.8.1 in c:\users\ganesh\anaconda3\lib\site-packages (from pandas) (2.8.2)
Requirement already satisfied: numpy>=1.18.5 in c:\users\ganesh\anaconda3\lib\site-packages (from pandas) (1.21.5)
Requirement already satisfied: pytz>=2020.1 in c:\users\ganesh\anaconda3\lib\site-packages (from pandas) (2022.1)
Requirement already satisfied: six>=1.5 in c:\users\ganesh\anaconda3\lib\site-packages (from python-dateutil>=2.8.1->pandas) (1.16.0)
(base) PS C:\Users\ganesh>
```

**Step 7:** install the **Matplotlib** package .To enter the **Matplotlib** package enter the command in the CMD.exe

**Command:** Pip install Matplotlib

## Matplotlib:

Matplotlib is a comprehensive library for creating static, animated, and interactive visualizations in Python. This package is pre-installed in anaconda . Matplotlib is an amazing visualization library in Python for 2D plots of arrays. Matplotlib is a multi-platform data visualization library built on NumPy arrays and designed to work with the broader SciPy stack. It was introduced by John Hunter in the year 2002.



```
Anaconda Powershell Prompt (anaconda3)
Requirement already satisfied: pywin32>=1.0 in c:\users\ganesh\anaconda3\lib\site-packages (from jupyter-core->nbconvert>=4.0->spyder) (302)
Requirement already satisfied: fastjsonschema in c:\users\ganesh\anaconda3\lib\site-packages (from nbformat>=4.4->nbconvert>=4.0->spyder) (2.16.2)
Requirement already satisfied: wcwidth in c:\users\ganesh\anaconda3\lib\site-packages (from prompt-toolkit!=3.0.0,!=3.0.1,<3.1.0,>=2.0.0->ipython<8.0.0,>=7.6.0->spyder) (0.2.5)
Requirement already satisfied: text-unidecode>=1.3 in c:\users\ganesh\anaconda3\lib\site-packages (from python-slugify>=4.0.0->cookiecutter>=1.6.0->spyder) (1.3)
Requirement already satisfied: urllib3<2.7,>=1.21.1 in c:\users\ganesh\anaconda3\lib\site-packages (from requests>=2.23.0->cookiecutter>=1.6.0->spyder) (1.26.11)
Requirement already satisfied: idna<4,>=2.5 in c:\users\ganesh\anaconda3\lib\site-packages (from requests>=2.23.0->cookiecutter>=1.6.0->spyder) (3.5)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\ganesh\anaconda3\lib\site-packages (from requests>=2.23.0->cookiecutter>=1.6.0->spyder) (2022.9.14)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\ganesh\anaconda3\lib\site-packages (from requests>=2.23.0->cookiecutter>=1.6.0->spyder) (2.0.4)
Requirement already satisfied: soupsieve>1.2 in c:\users\ganesh\anaconda3\lib\site-packages (from BeautifulSoup>=4.0->nbconvert>=4.0->spyder) (2.3.1)
Requirement already satisfied: webencodings in c:\users\ganesh\anaconda3\lib\site-packages (from bleach>=4.0->nbconvert>=4.0->spyder) (0.5.1)
Requirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in c:\users\ganesh\anaconda3\lib\site-packages (from packaging->qtconsole>=1.5.0->spyder) (3.0.9)
Requirement already satisfied: pycparser in c:\users\ganesh\anaconda3\lib\site-packages (from cffi>=1.1->bcrypt>=3.1.3->paramiko>=2.4.0->spyder) (2.21)
Installing collected packages: PyQt5_sip, PyQt5, pyqt5, pyqtwebengine
Successfully installed PyQt5_sip-12.11.0 pyqt5-5.12.3 pyqtwebengine-5.12.1
(base) PS C:\Users\ganesh> pip install numpy
-pip : The term '-pip' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, or if a path was
included, verify that the path is correct and try again.
At line:1 char:1
+ ~~~~~
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (-pip:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException

(base) PS C:\Users\ganesh> pip install numpy
Requirement already satisfied: numpy in c:\users\ganesh\anaconda3\lib\site-packages (1.21.5)
(base) PS C:\Users\ganesh> pip install pandas
Requirement already satisfied: pandas in c:\users\ganesh\anaconda3\lib\site-packages (1.4.4)
Requirement already satisfied: python-dateutil>=2.8.1 in c:\users\ganesh\anaconda3\lib\site-packages (from pandas) (2.8.2)
Requirement already satisfied: numpy>=1.18.5 in c:\users\ganesh\anaconda3\lib\site-packages (from pandas) (1.21.5)
Requirement already satisfied: pytz>=2020.1 in c:\users\ganesh\anaconda3\lib\site-packages (from pandas) (2022.1)
Requirement already satisfied: six>=1.5 in c:\users\ganesh\anaconda3\lib\site-packages (from python-dateutil>=2.8.1->pandas) (1.16.0)
(base) PS C:\Users\ganesh> pip install matplotlib
Requirement already satisfied: matplotlib in c:\users\ganesh\anaconda3\lib\site-packages (3.5.2)
Requirement already satisfied: pillow>=6.2.0 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (9.2.0)
Requirement already satisfied: pyparsing>=2.2.1 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (3.0.9)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (1.4.2)
Requirement already satisfied: numpy>=1.17 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (1.21.5)
Requirement already satisfied: cycler>=0.10 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (0.11.0)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (2.8.2)
Requirement already satisfied: fonttools>=4.22.0 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (4.25.0)
Requirement already satisfied: packaging>=20.0 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (21.3)
Requirement already satisfied: six>=1.5 in c:\users\ganesh\anaconda3\lib\site-packages (from python-dateutil>=2.7->matplotlib) (1.16.0)
(base) PS C:\Users\ganesh>
```

**Step 8:** install the **Scikit-learn** package . to enter the **Scikit-learn** package enter the command in the CMD,exe

**Command:** Pip install Scikit-learn

## Scikit-learn :

This is a machine learning library for the Python programming language. This package is pre-installed in anaconda.

- Scikit learn in python is mostly used in python for focusing on the modeling. It simply focused on modeling not focused on loading the data.

```
Anaconda Powershell Prompt (anaconda3)
(base) PS C:\Users\ganesh> pip install numpy
-pip : The term '-pip' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, or if a path was
included, verify that the path is correct and try again.
At line:1 char:1
+ ~~~~~
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (-pip:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException

(base) PS C:\Users\ganesh> pip install numpy
Requirement already satisfied: numpy in c:\users\ganesh\anaconda3\lib\site-packages (1.21.5)
(base) PS C:\Users\ganesh> pip install pandas
Requirement already satisfied: pandas in c:\users\ganesh\anaconda3\lib\site-packages (1.4.4)
Requirement already satisfied: python-dateutil>=2.8.1 in c:\users\ganesh\anaconda3\lib\site-packages (from pandas) (2.8.2)
Requirement already satisfied: numpy>=1.18.5 in c:\users\ganesh\anaconda3\lib\site-packages (from pandas) (1.21.5)
Requirement already satisfied: pytz>=2020.1 in c:\users\ganesh\anaconda3\lib\site-packages (from pandas) (2022.1)
Requirement already satisfied: six>=1.5 in c:\users\ganesh\anaconda3\lib\site-packages (from python-dateutil>=2.8.1->pandas) (1.16.0)
(base) PS C:\Users\ganesh> pip install matplotlib
Requirement already satisfied: matplotlib in c:\users\ganesh\anaconda3\lib\site-packages (3.5.2)
Requirement already satisfied: pillow>=6.2.0 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (9.2.0)
Requirement already satisfied: pyparsing>=2.2.1 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (3.0.9)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (1.4.2)
Requirement already satisfied: numpy>=1.17 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (1.21.5)
Requirement already satisfied: cycler>=0.10 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (0.11.0)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (2.8.2)
Requirement already satisfied: fonttools>=4.22.0 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (4.25.0)
Requirement already satisfied: packaging>=20.0 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (21.3)
Requirement already satisfied: six>=1.5 in c:\users\ganesh\anaconda3\lib\site-packages (from python-dateutil>=2.7->matplotlib) (1.16.0)
(base) PS C:\Users\ganesh> pip install seaborn
Requirement already satisfied: seaborn in c:\users\ganesh\anaconda3\lib\site-packages (0.11.2)
Requirement already satisfied: numpy>=1.15 in c:\users\ganesh\anaconda3\lib\site-packages (from seaborn) (1.21.5)
Requirement already satisfied: pandas>=0.23 in c:\users\ganesh\anaconda3\lib\site-packages (from seaborn) (1.4.4)
Requirement already satisfied: scipy>=1.0 in c:\users\ganesh\anaconda3\lib\site-packages (from seaborn) (1.9.1)
Requirement already satisfied: matplotlib>=2.2 in c:\users\ganesh\anaconda3\lib\site-packages (from seaborn) (3.5.2)
Requirement already satisfied: pyparsing>=2.2.1 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (3.0.9)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (2.8.2)
Requirement already satisfied: fonttools>=4.22.0 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (4.25.0)
Requirement already satisfied: packaging>=20.0 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (21.3)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (1.4.2)
Requirement already satisfied: cycler>=0.10 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (0.11.0)
Requirement already satisfied: pillow>=6.2.0 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (9.2.0)
Requirement already satisfied: pytz>=2020.1 in c:\users\ganesh\anaconda3\lib\site-packages (from pandas>=0.23->seaborn) (2022.1)
Requirement already satisfied: six>=1.5 in c:\users\ganesh\anaconda3\lib\site-packages (from python-dateutil>=2.7->matplotlib>=2.2->seaborn) (1.16.0)
(base) PS C:\Users\ganesh>
```

**Step 9 :** install the **Flask** package . to enter the **Flask** package enter the command in the CMD,exe

**Command:** Pip install Flask

**Flask :**

**Flask is a lightweight WSGI web application framework** Flask is a web application framework written in Python. Armin Ronacher, who leads an international group of Python enthusiasts named Pocco, develops it. Flask is based on Werkzeug WSGI toolkit and Jinja2 template engine. Both are Pocco projects.

```
Anaconda Powershell Prompt (anaconda3)
Requirement already satisfied: pillow>=6.2.0 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (9.2.0)
Requirement already satisfied: pyparsing>=2.2.1 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (3.0.9)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (1.4.2)
Requirement already satisfied: numpy>=1.17 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (1.21.5)
Requirement already satisfied: cyycler>=0.10 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (0.11.0)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (2.8.2)
Requirement already satisfied: fonttools>=4.22.0 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (4.25.0)
Requirement already satisfied: packaging>=20.0 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib) (21.3)
Requirement already satisfied: six>=1.5 in c:\users\ganesh\anaconda3\lib\site-packages (from python-dateutil>=2.7->matplotlib) (1.16.0)
(base) PS C:\Users\ganesh> pip install seaborn
Requirement already satisfied: seaborn in c:\users\ganesh\anaconda3\lib\site-packages (0.11.2)
Requirement already satisfied: numpy>=1.15 in c:\users\ganesh\anaconda3\lib\site-packages (from seaborn) (1.21.5)
Requirement already satisfied: pandas>=0.23 in c:\users\ganesh\anaconda3\lib\site-packages (from seaborn) (1.4.4)
Requirement already satisfied: scipy>=1.0 in c:\users\ganesh\anaconda3\lib\site-packages (from seaborn) (1.9.1)
Requirement already satisfied: matplotlib>=2.2 in c:\users\ganesh\anaconda3\lib\site-packages (from seaborn) (3.5.2)
Requirement already satisfied: pyparsing>=2.2.1 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (3.0.9)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (2.8.2)
Requirement already satisfied: fonttools>=4.22.0 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (4.25.0)
Requirement already satisfied: packaging>=20.0 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (21.3)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (1.4.2)
Requirement already satisfied: cyycler>=0.10 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (0.11.0)
Requirement already satisfied: pillow>=6.2.0 in c:\users\ganesh\anaconda3\lib\site-packages (from matplotlib>=2.2->seaborn) (9.2.0)
Requirement already satisfied: pytz>=2020.1 in c:\users\ganesh\anaconda3\lib\site-packages (from pandas>=0.23->seaborn) (2022.1)
Requirement already satisfied: six>=1.5 in c:\users\ganesh\anaconda3\lib\site-packages (from python-dateutil>=2.7->matplotlib>=2.2->seaborn) (1.16.0)
(base) PS C:\Users\ganesh> pip install sklearn
Collecting sklearn
  Downloading sklearn-0.0.post1.tar.gz (3.6 kB)
  Preparing metadata (setup.py) ... done
Building wheels for collected packages: sklearn
  Building wheel for sklearn (setup.py) ... done
  Created wheel for sklearn: filename=sklearn-0.0.post1-py3-none-any.whl size=2936 sha256=3b409797847b2f47549dd37f115631583a6c4a7d120ce4e38d51748c7e5c215d
  Stored in directory: c:\users\ganesh\appdata\local\pip\cache\wheels\fa\0e\3d\9d0c2020c44a519b9f02ab4fa6d2a4a996c98d79ab2f569fa1
Successfully built sklearn
Installing collected packages: sklearn
Successfully installed sklearn-0.0.post1
(base) PS C:\Users\ganesh> pip install flask
Requirement already satisfied: flask in c:\users\ganesh\anaconda3\lib\site-packages (1.1.2)
Requirement already satisfied: Jinja2>=2.10.1 in c:\users\ganesh\anaconda3\lib\site-packages (from flask) (2.11.3)
Requirement already satisfied: Werkzeug>=0.15 in c:\users\ganesh\anaconda3\lib\site-packages (from flask) (2.0.3)
Requirement already satisfied: itsdangerous>=0.24 in c:\users\ganesh\anaconda3\lib\site-packages (from flask) (2.0.1)
Requirement already satisfied: click>=5.1 in c:\users\ganesh\anaconda3\lib\site-packages (from flask) (8.0.4)
Requirement already satisfied: colorama in c:\users\ganesh\anaconda3\lib\site-packages (from click>=5.1->flask) (0.4.5)
Requirement already satisfied: MarkupSafe>=0.23 in c:\users\ganesh\anaconda3\lib\site-packages (from Jinja2>=2.10.1->flask) (2.0.1)
(base) PS C:\Users\ganesh>
```