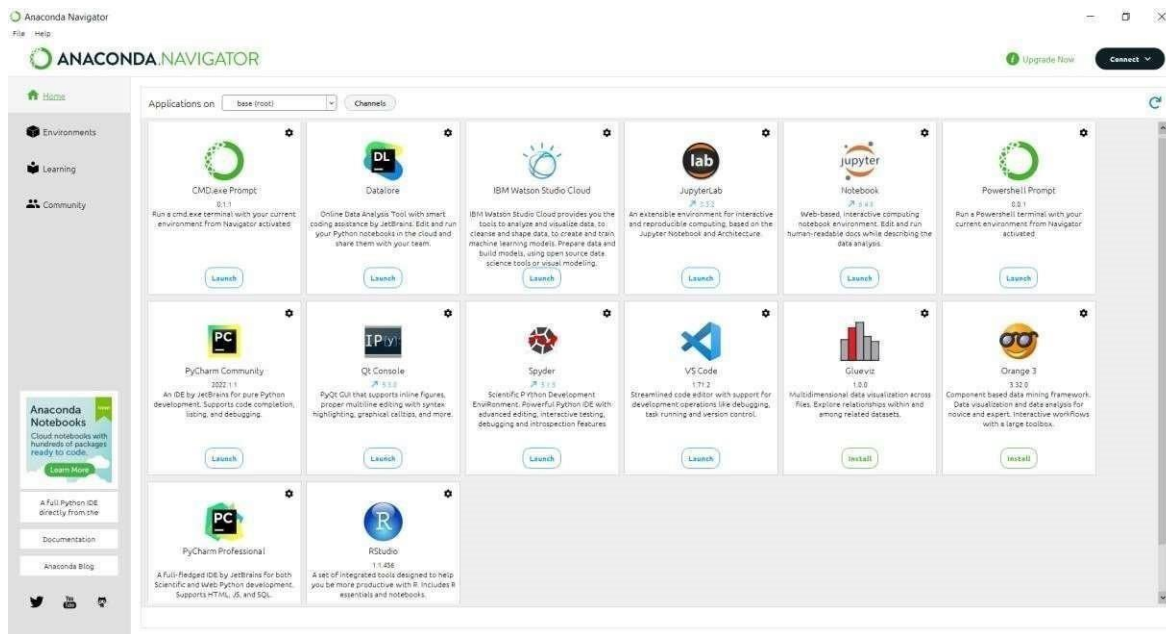


PYTHON PACKAGES

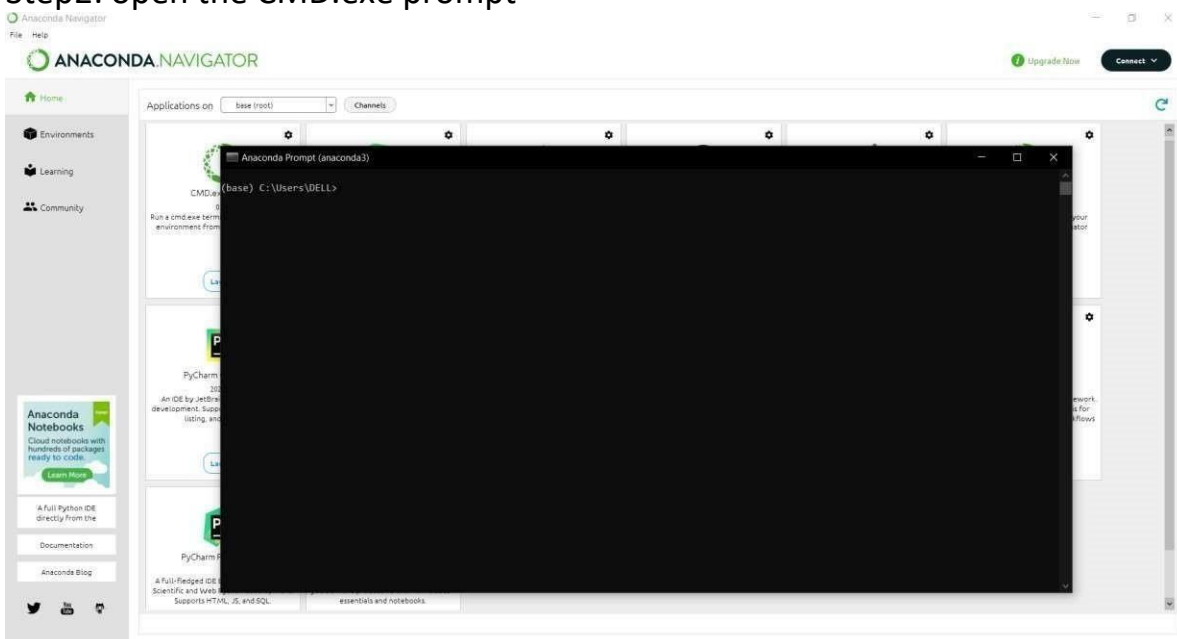
TEAM ID	PNT2022TMID06615
PROJECT NAME	CAR REASLE VALUE PREDICTION

Installing python Package

Step1: open the anaconda navigator

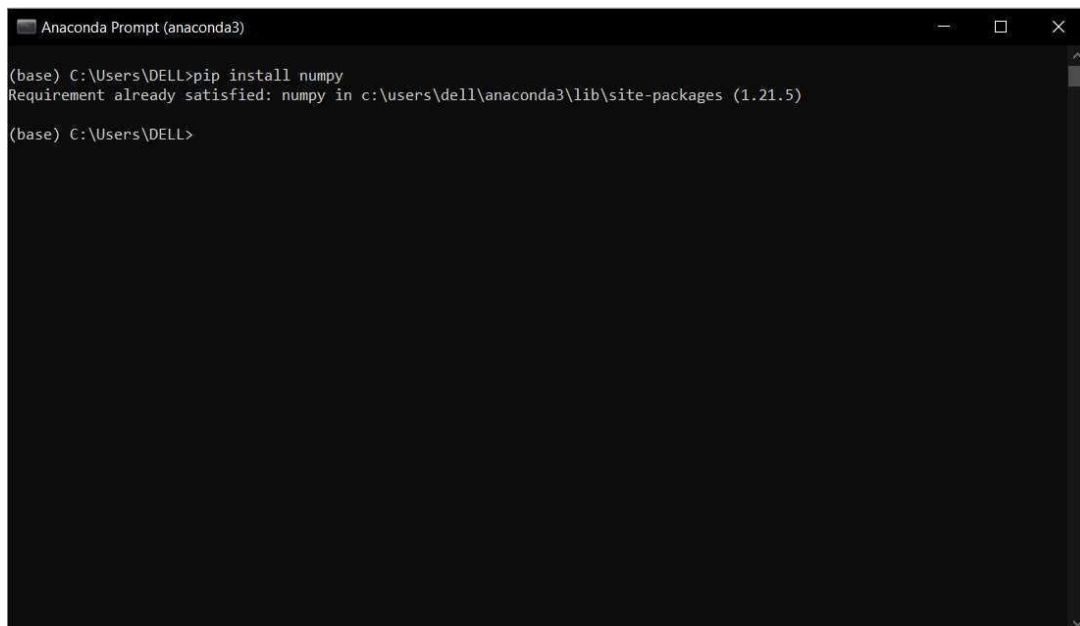


Step2: open the CMD.exe prompt



Step 3: install the NUMPY package .To enter the numpy package enter the command in the CMD.exe Command: 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"



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

Step 4: install the pandas package .To enter the pandas package enter the command in the CMD.exe Command: Pip install

pandas: Pandas is one of the most widely used in python. 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 analysing data much easier. Pandas is fast and it has high-performance & productivity for users.

```
Anaconda Prompt (anaconda3) - pip install pandas

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

Step 5: 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.

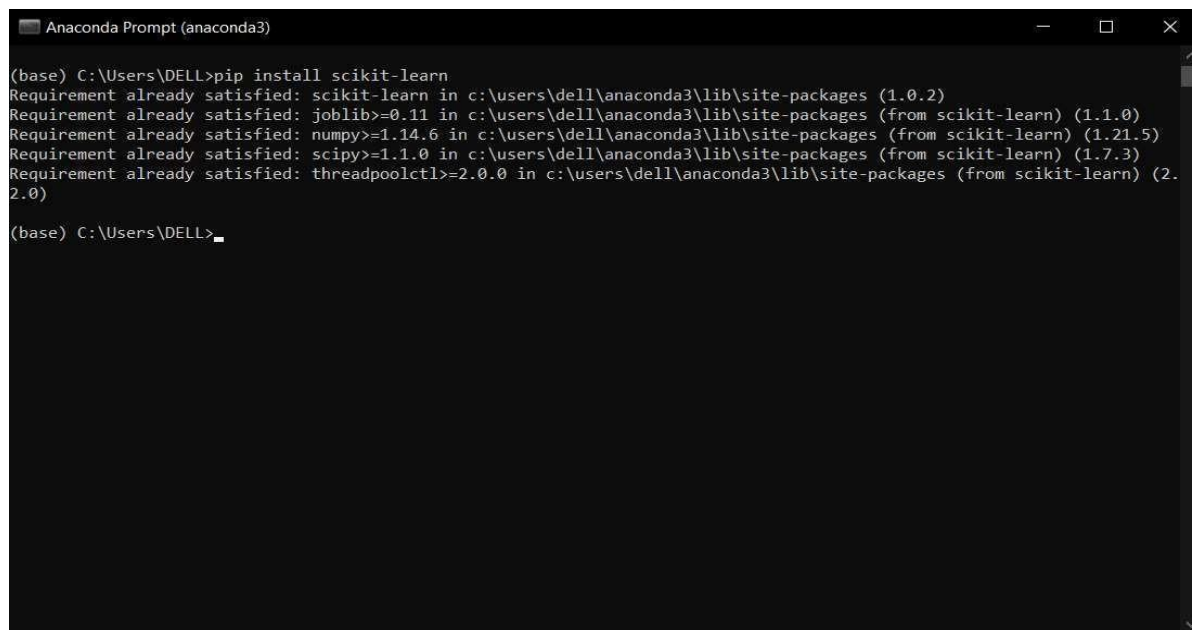
```
Anaconda Prompt (anaconda3)

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

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

Step 6: 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 modelling. It simply focused on modeling not focused on loading the data.

A screenshot of the Anaconda Prompt (anaconda3) window. The terminal shows the command 'pip install scikit-learn' being executed. The output indicates that the package is already installed in the current environment (c:\users\dell\anaconda3\lib\site-packages) with version 1.0.2. It also lists the requirements for the package: joblib (1.1.0), numpy (1.21.5), and scipy (1.7.3), all of which are also already installed in the same location. The prompt then returns to the command line.

```
Anaconda Prompt (anaconda3)
(base) C:\Users\DELL>pip install scikit-learn
Requirement already satisfied: scikit-learn in c:\users\dell\anaconda3\lib\site-packages (1.0.2)
Requirement already satisfied: joblib>=0.11 in c:\users\dell\anaconda3\lib\site-packages (from scikit-learn) (1.1.0)
Requirement already satisfied: numpy>=1.14.6 in c:\users\dell\anaconda3\lib\site-packages (from scikit-learn) (1.21.5)
Requirement already satisfied: scipy>=1.1.0 in c:\users\dell\anaconda3\lib\site-packages (from scikit-learn) (1.7.3)
Requirement already satisfied: threadpoolctl>=2.0.0 in c:\users\dell\anaconda3\lib\site-packages (from scikit-learn) (2.2.0)
(base) C:\Users\DELL>
```

Step 7: install the Flask package . to enter the Flask package enter the command in the CMD, exe Command: Pipinstall Flask

Flask: Flask is a lightweight WSGI web application framework Flask isa web application framework written in Python. Armin Ronacher, who leads an international group of Python enthusiasts named Pocco, develo ps it. Flask is based on Werkzeug WSGI toolkit and Jinja2template engine. Both are Pocco projects.

```
Anaconda Prompt (anaconda3)

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

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

Flask is a lightweight WSGI web application framework Flask isa web application framework written in Python. Armin Ronacher, who leads an international group of Python enthusiasts named Pocco, develo ps it. Flask is based on Werkzeug WSGI toolkit and Jinja2template engine. Both are Pocco projects.