

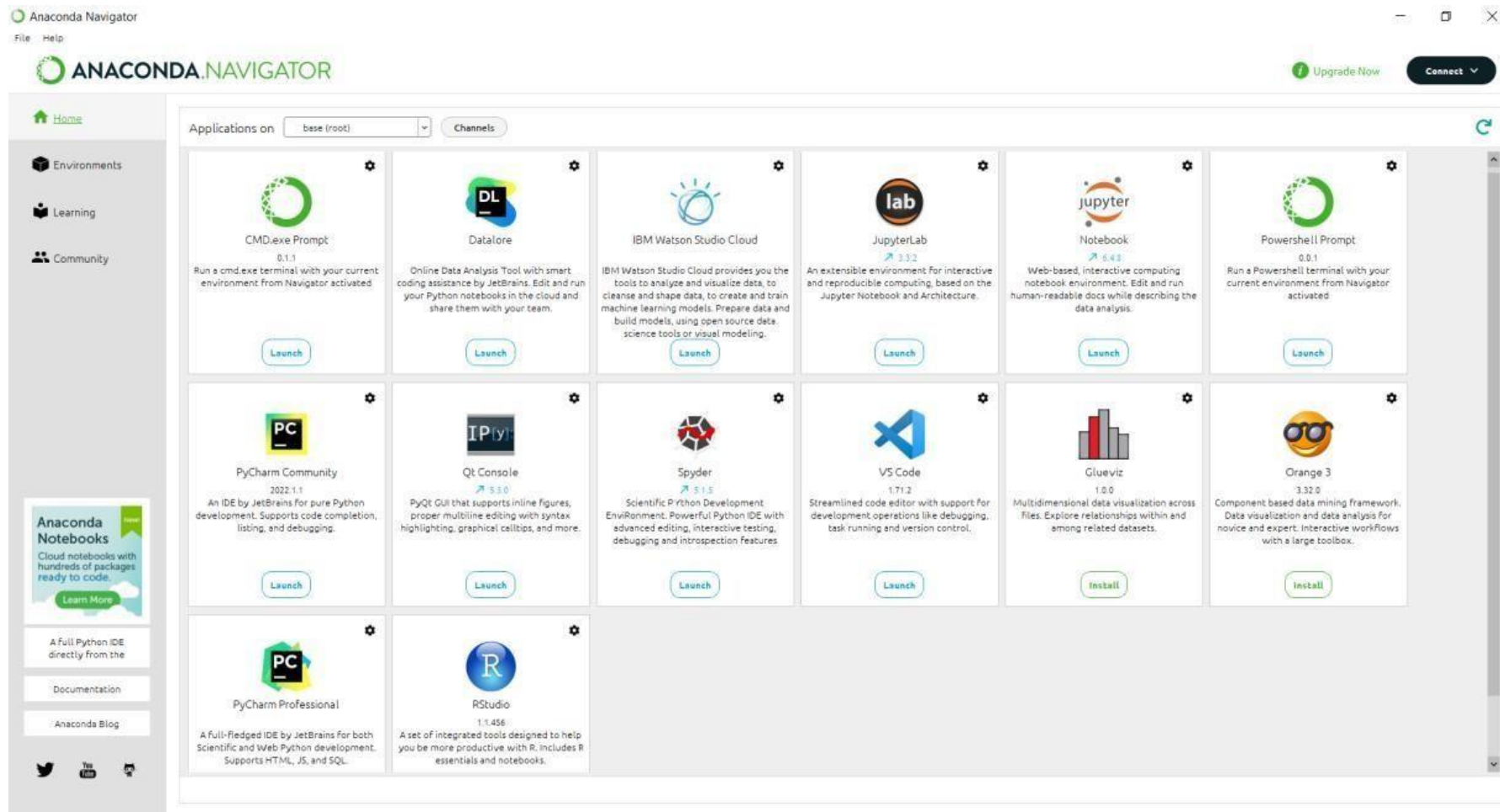
Pre Requisites

Install Python Packages

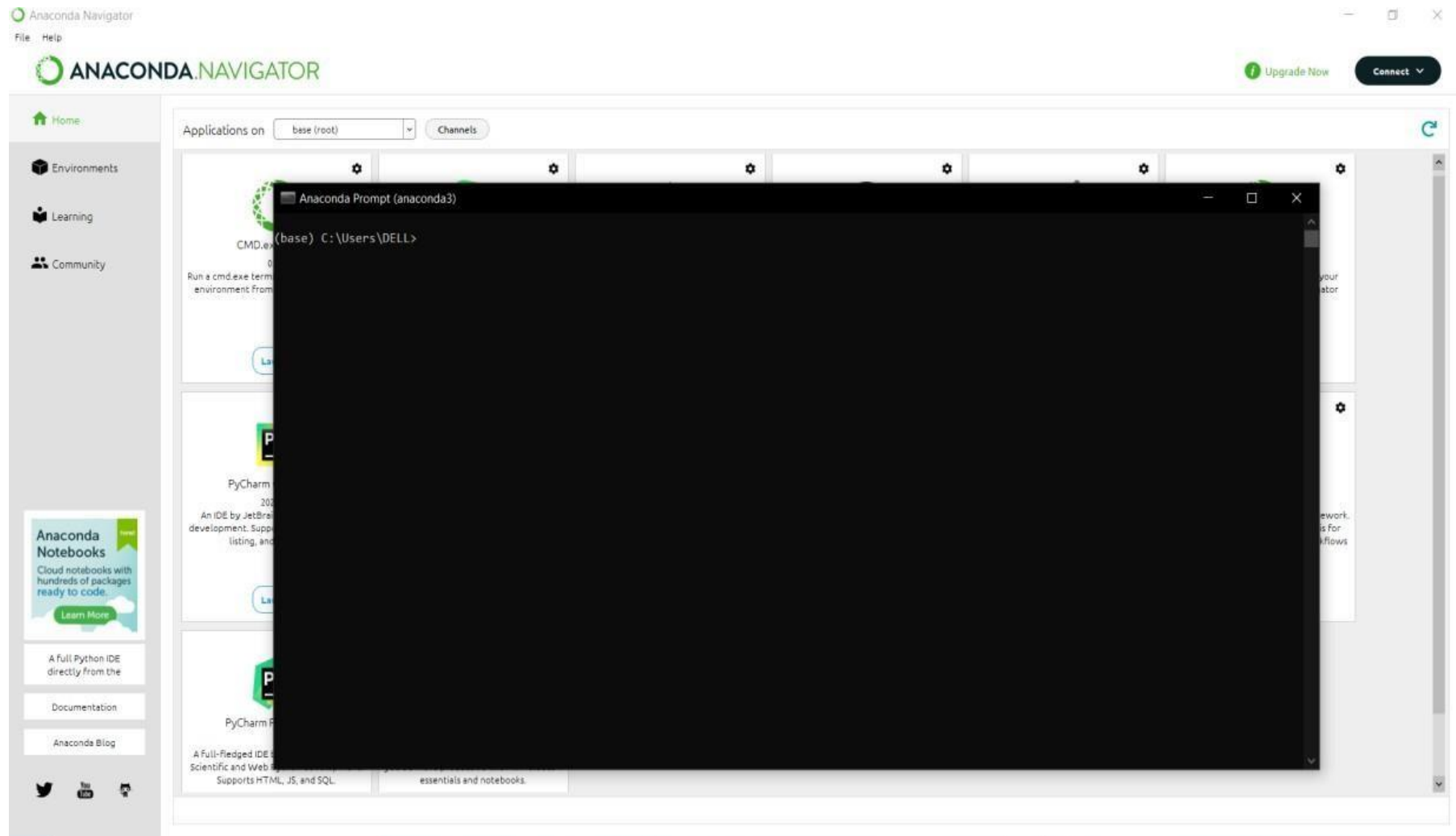
Date	1 October 2022
Team ID	PNT2022TMID12009
Project Name	Project - University Admit Eligibility Predictor

Installing python package

Step 1: open the anaconda navigator. In the star menu



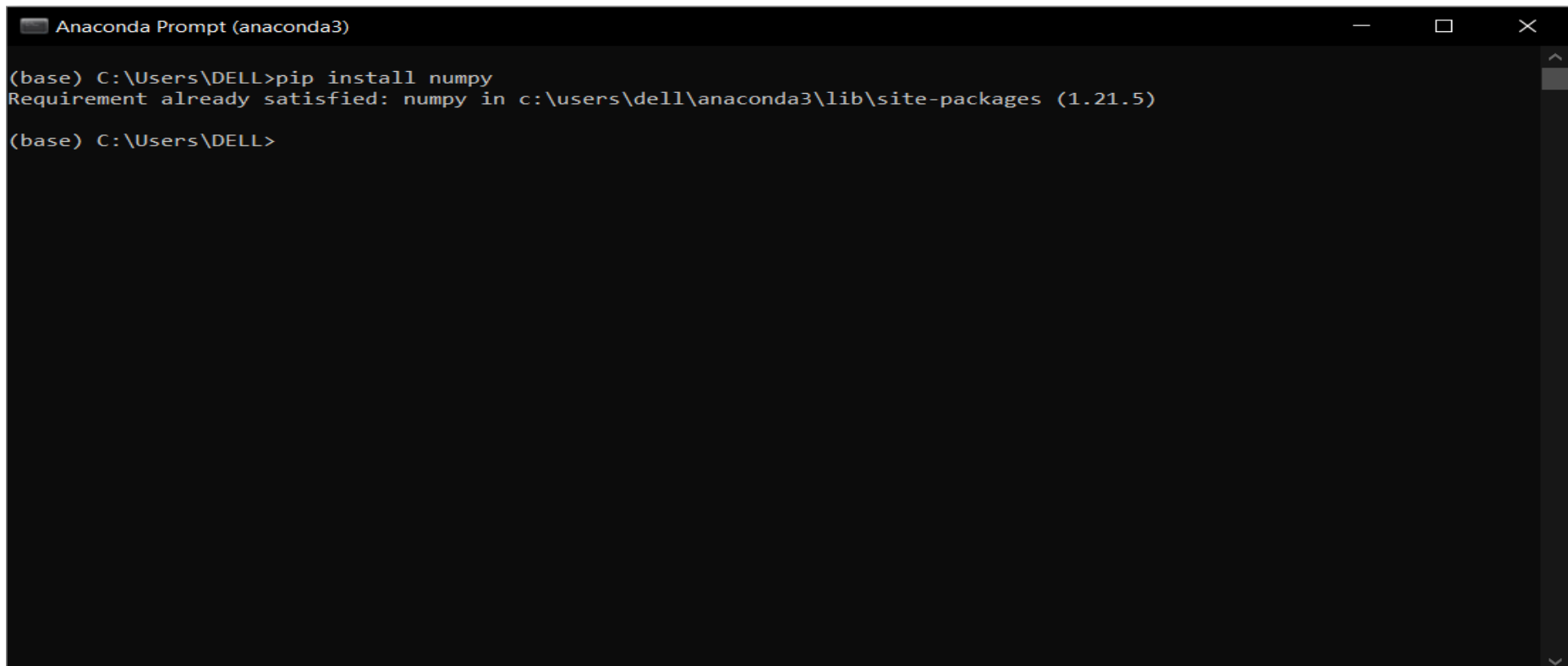
Step 2: open the CMD.exe prompt



Step 3: install the **NUMPY** package. To enter the **numpy** package enter the command in the CMD.exe prompt. Command: **Pip install 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”.

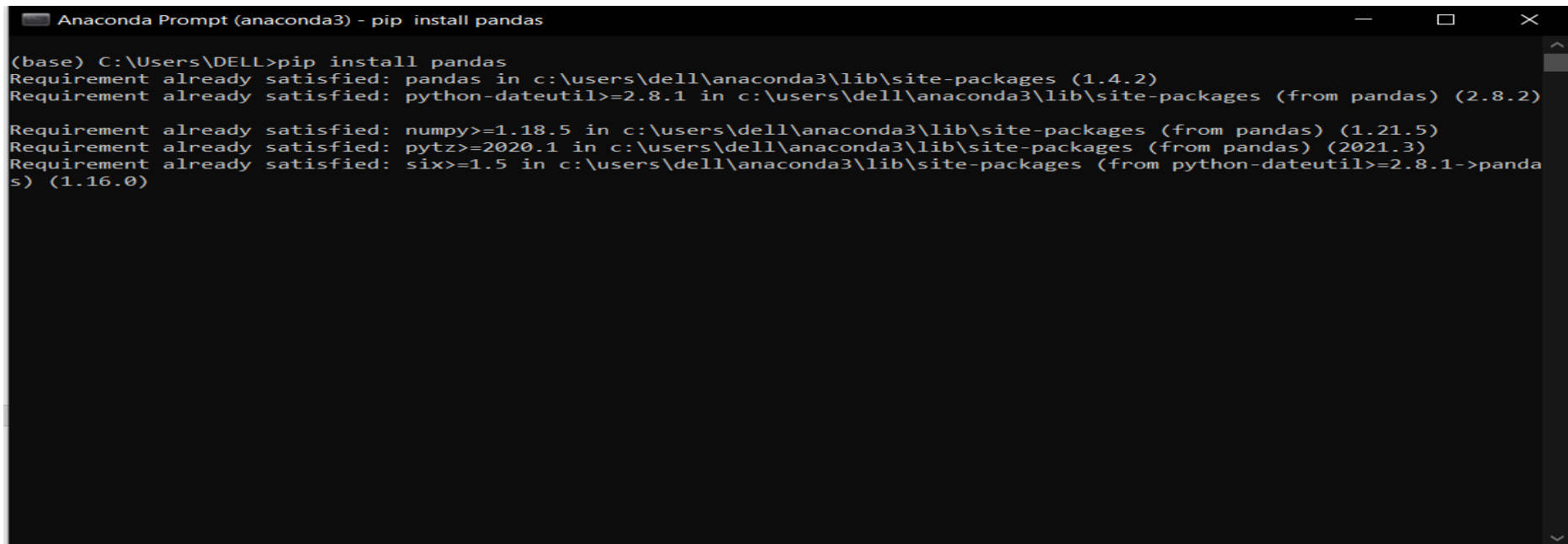
A screenshot of the Anaconda Prompt window. The title bar reads "Anaconda Prompt (anaconda3)". The command prompt shows the user entering the command `pip install numpy`. The output is `Requirement already satisfied: numpy in c:\users\dell\anaconda3\lib\site-packages (1.21.5)`. The prompt then returns to `(base) C:\Users\DELL>`.

```
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 prompt. Command: **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.

A screenshot of the Anaconda Prompt window. The title bar reads "Anaconda Prompt (anaconda3) - pip install pandas". The command prompt shows the command `(base) C:\Users\DELL>pip install pandas` being executed. The output displays several messages indicating that the required dependencies are already satisfied: `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)`, and `Requirement already satisfied: six>=1.5 in c:\users\dell\anaconda3\lib\site-packages (from python-dateutil>=2.8.1->pandas) (1.16.0)`.

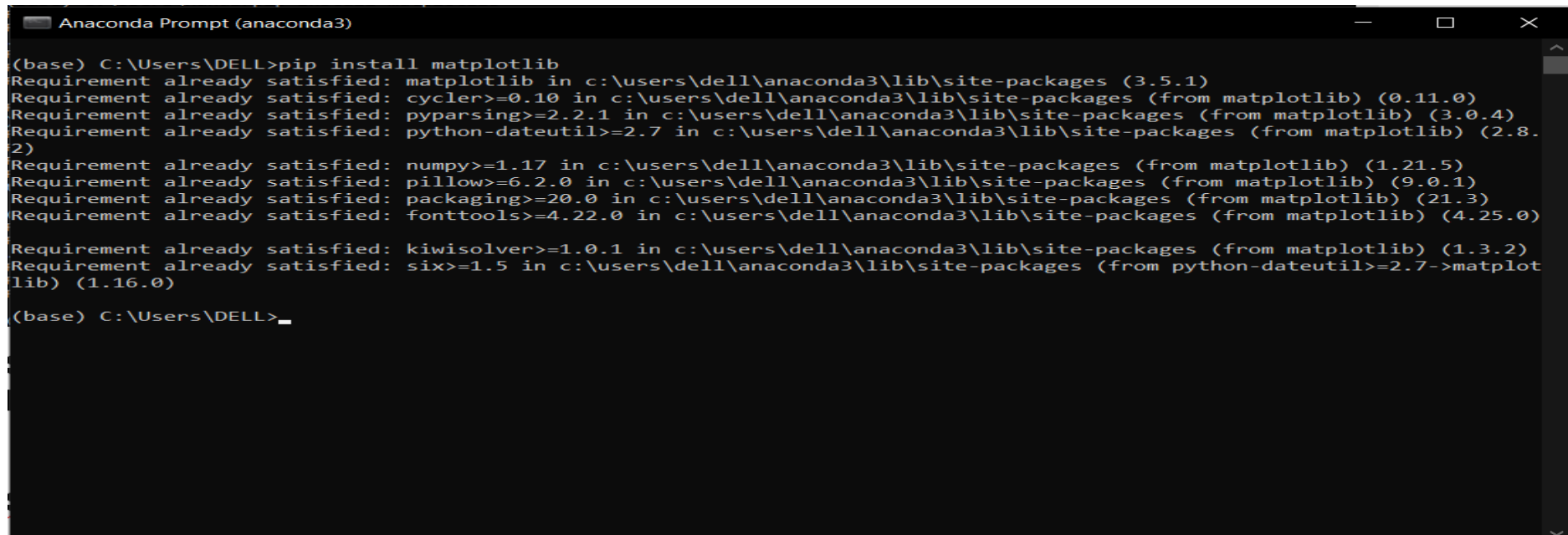
```
Anaconda Prompt (anaconda3) - pip install pandas

(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 prompt. 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.

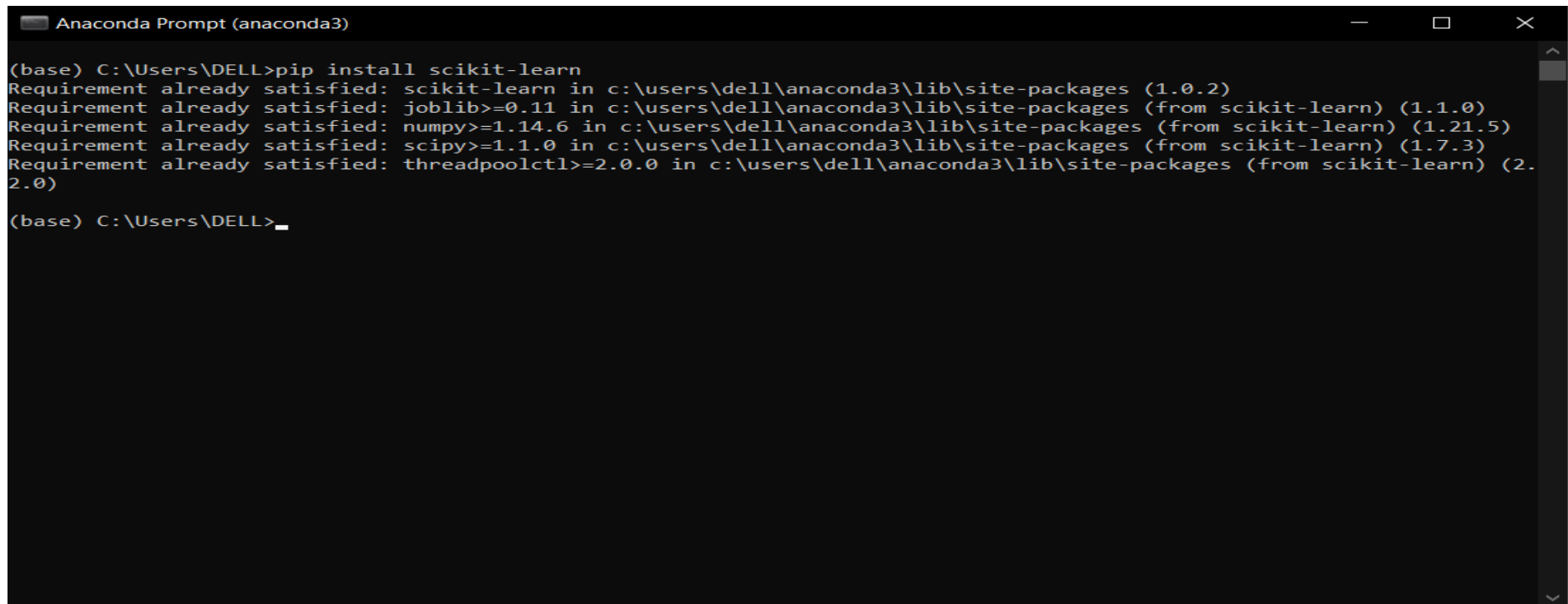
A screenshot of the Anaconda Prompt window. The title bar reads "Anaconda Prompt (anaconda3)". The command prompt shows the command "(base) C:\Users\DELL>pip install matplotlib" being executed. The output lists several requirements that are already satisfied, including matplotlib (3.5.1), cycler (0.11.0), pyparsing (3.0.4), python-dateutil (2.8.2), numpy (1.21.5), pillow (9.0.1), packaging (21.3), fonttools (4.25.0), kiwisolver (1.3.2), and six (1.16.0). The prompt ends with "(base) C:\Users\DELL>".

```
(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 prompt. 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.

A screenshot of the Anaconda Prompt window. The title bar reads "Anaconda Prompt (anaconda3)". The command prompt shows the command `(base) C:\Users\DELL>pip install scikit-learn` being executed. The output displays four lines of requirements being satisfied: `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)`, and `Requirement already satisfied: scipy>=1.1.0 in c:\users\dell\anaconda3\lib\site-packages (from scikit-learn) (1.7.3)`. The final line shows `Requirement already satisfied: threadpoolctl>=2.0.0 in c:\users\dell\anaconda3\lib\site-packages (from scikit-learn) (2.2.0)`. The prompt then returns to `(base) C:\Users\DELL>` with a cursor. The window has standard Windows window controls (minimize, maximize, close) in the top right corner.

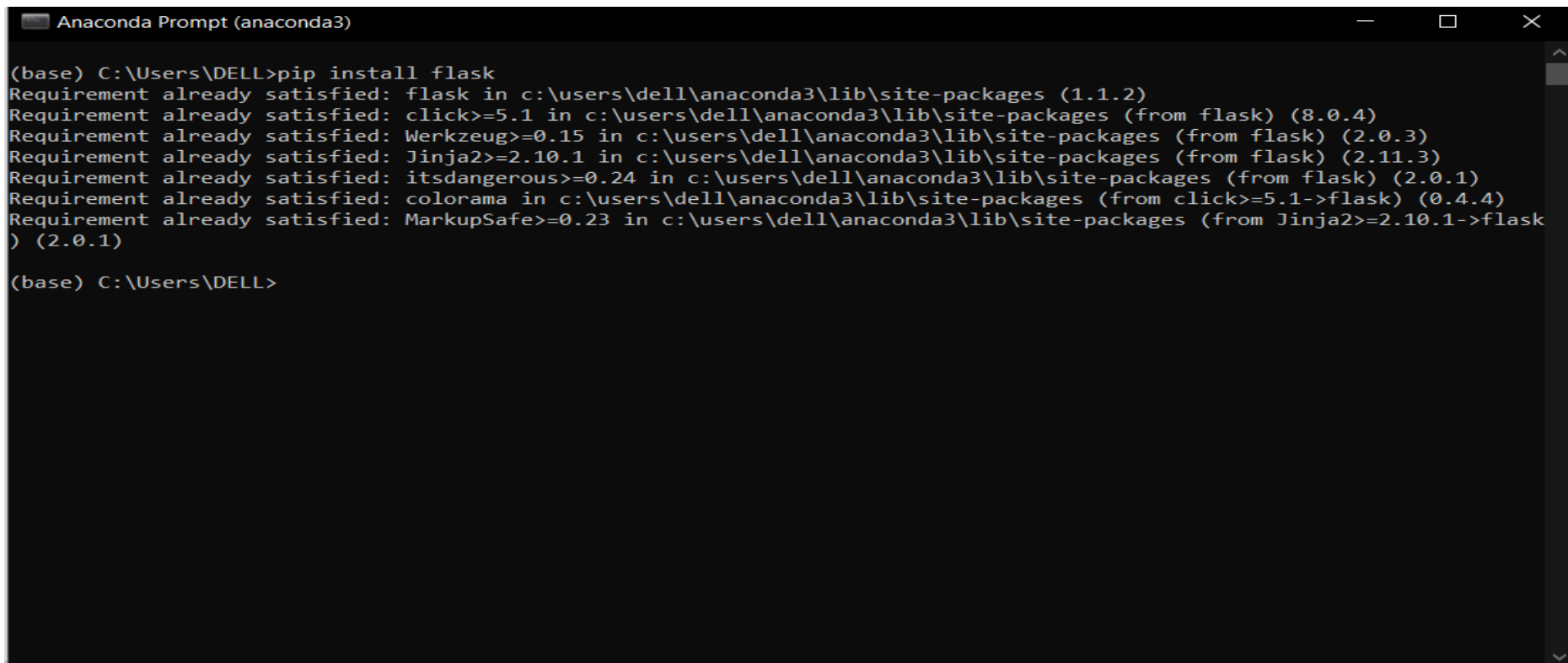
```
(base) C:\Users\DELL>pip install scikit-learn
Requirement already satisfied: scikit-learn in c:\users\dell\anaconda3\lib\site-packages (1.0.2)
Requirement already satisfied: joblib>=0.11 in c:\users\dell\anaconda3\lib\site-packages (from scikit-learn) (1.1.0)
Requirement already satisfied: numpy>=1.14.6 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 prompt. 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.

A screenshot of the Anaconda Prompt (anaconda3) window. The title bar shows the window name and standard Windows window controls. The command prompt shows the user at the C:\Users\DELL directory. The command 'pip install flask' has been entered. The output shows that all requirements for Flask are already satisfied, listing the versions of flask, click, Werkzeug, Jinja2, itsdangerous, colorama, and MarkupSafe. The prompt then returns to the user's shell.

```
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>
```