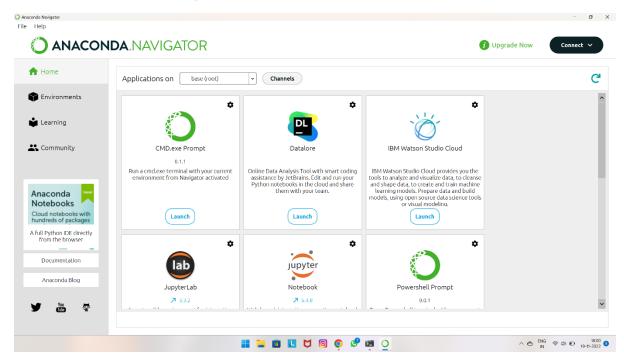# PRE-REQUISITIES

Anaconda Navigator:

Required libraries:

```
Requirement already satisfied: packaging>=20.0 in c:\users\thaneeshkumar\appdata\local\programs\python\python310\lib\site-packages (from matplotlib) (21.3)
Requirement already satisfied: fonttools>=4.22.0 in c:\users\thaneeshkumar\appdata\local\programs\python\python310\lib\site-packages (from matplotlib) (4.37.4)
Requirement already satisfied: cycler>=0.10 in c:\users\thaneeshkumar\appdata\local\programs\python\python310\lib\site-packages (from matplotlib) (0.11.0)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\thaneeshkumar\appdata\local\programs\python\python310\lib\site-packages (from matplotlib) (2.8.2)
Requirement already satisfied: contourpy>=1.0.1 in c:\users\thaneeshkumar\appdata\local\programs\python\python310\lib\site-packages (from matplotlib) (1.0.5)
Requirement already satisfied: numpy>=1.19 in c:\users\thaneeshkumar\appdata\local\programs\python\python310\lib\site-packages (from matplotlib) (1.23.4)
Requirement already satisfied: pillow>=6.2.0 in c:\users\thaneeshkumar\appdata\local\programs\python\python310\lib\site-packages (from matplotlib) (9.2.0)
Requirement already satisfied: six>=1.5 in c:\users\thaneeshkumar\appdata\local\programs\python\python310\lib\site-packages (from python-dateutil>=2.7->matplotlib) (1.16.0)

[notice] A new release of pip available: 22.2.2 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\Thaneeshkumar>pip install pandas
Collecting pandas
  Downloading pandas-1.5.1-cp310-cp310-win_amd64.whl (10.4 MB)
     ---------------------------------------- 10.4/10.4 MB 1.9 MB/s eta 0:00:00
Collecting pytz>=2020.1
  Downloading pytz-2022.6-py2.py3-none-any.whl (498 kB)
     ---------------------------------------- 498.1/498.1 kB 3.1 MB/s eta 0:00:00
Requirement already satisfied: python-dateutil>=2.8.1 in c:\users\thaneeshkumar\appdata\local\programs\python\python310\lib\site-packages (from pandas) (2.8.2)
Requirement already satisfied: numpy>=1.21.0 in c:\users\thaneeshkumar\appdata\local\programs\python\python310\lib\site-packages (from pandas) (1.23.4)
Requirement already satisfied: six>=1.5 in c:\users\thaneeshkumar\appdata\local\programs\python\python310\lib\site-packages (from python-dateutil>=2.8.1->pandas) (1.16.0)
Installing collected packages: pytz, pandas
Successfully installed pandas-1.5.1 pytz-2022.6

[notice] A new release of pip available: 22.2.2 -> 22.3.1
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C:\Users\Thaneeshkumar>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=5d554b5ee3054a3c0c21a21216ff045cd2be41a9731554207e9b95cadd94f362
  Stored in directory: c:\users\thaneeshkumar\appdata\local\pip\cache\wheels\c5\88\35\cc8a1e198b27a1d3d9d3f9b30090b9d5531778847835472ec4
Successfully built sklearn
Installing collected packages: sklearn
Successfully installed sklearn-0.0.post1

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C:\Users\Thaneeshkumar>
```

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Microsoft Windows [Version 10.0.22621.819]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Thaneeshkumar>pip install numpy
Requirement already satisfied: numpy in c:\users\thaneeshkumar\appdata\local\programs\python\python310\lib\site-packages (1.23.4)

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C:\Users\Thaneeshkumar>pip install matplotlib
Requirement already satisfied: matplotlib in c:\users\thaneeshkumar\appdata\local\programs\python\python310\lib\site-packages (3.6.1)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\thaneeshkumar\appdata\local\programs\python\python310\lib\site-packages (from matplotlib) (1.4.4)
Requirement already satisfied: pyparsing>=2.2.1 in c:\users\thaneeshkumar\appdata\local\programs\python\python310\lib\site-packages (from matplotlib) (3.0.9)
Requirement already satisfied: packaging>=20.0 in c:\users\thaneeshkumar\appdata\local\programs\python\python310\lib\site-packages (from matplotlib) (21.3)
Requirement already satisfied: fonttools>=4.22.0 in c:\users\thaneeshkumar\appdata\local\programs\python\python310\lib\site-packages (from matplotlib) (4.37.4)
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Requirement already satisfied: numpy>=1.21.0 in c:\users\thaneeshkumar\appdata\local\programs\python\python310\lib\site-packages (from pandas) (1.23.4)
Requirement already satisfied: six>=1.5 in c:\users\thaneeshkumar\appdata\local\programs\python\python310\lib\site-packages (from python-dateutil>=2.8.1->pandas) (1.16.0)
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C:\Users\Thaneeshkumar>
```