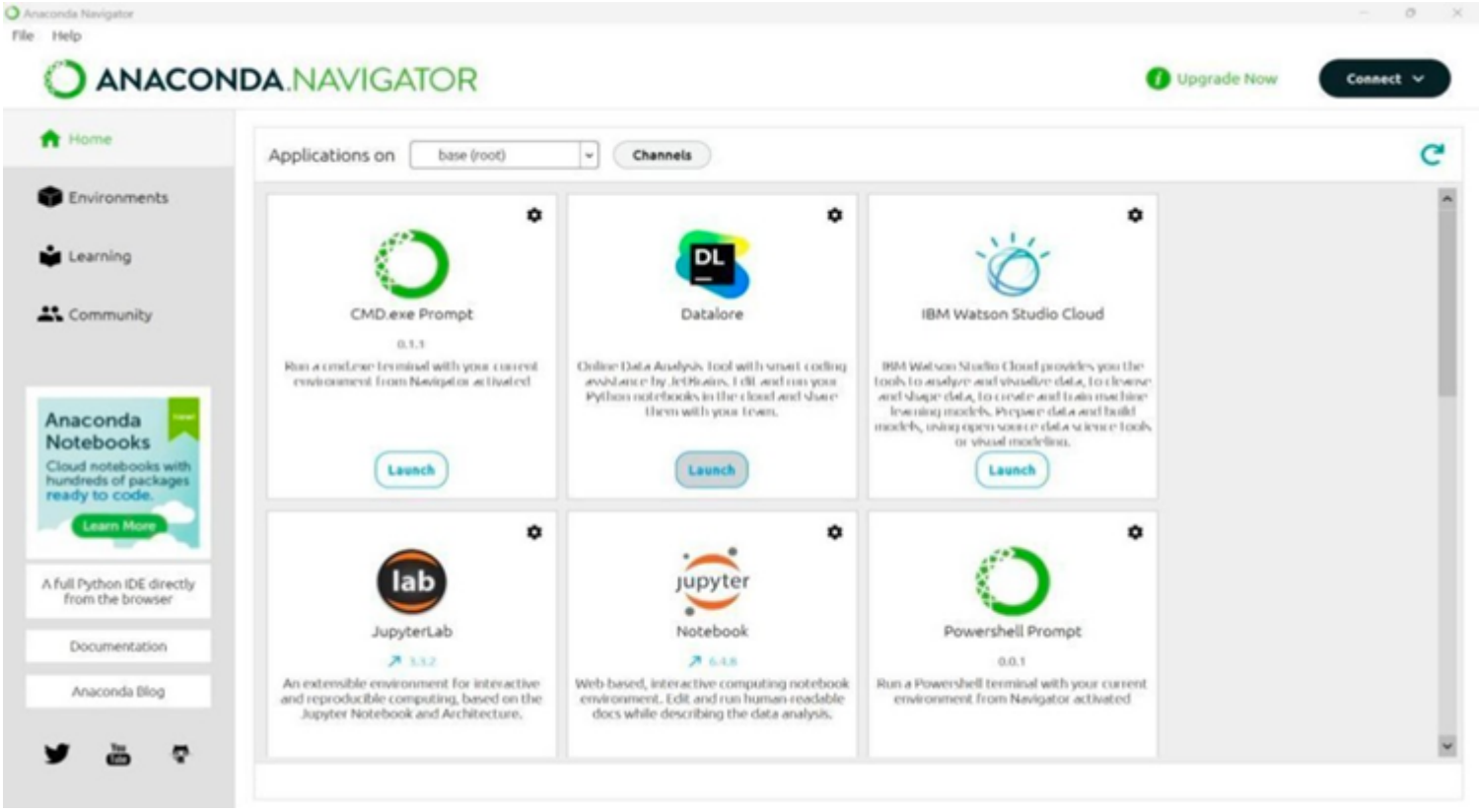
PRE-REQUISITES

Team ID	PNT2022TMID46701
Project Name	Trip Based Modeling of Fuel Consumption in Modern Fleet Vehicles Using Machine Learning

1.Anaconda Navigator:



2.Jupyter Notebook:

3.Python Packages:

Visualizing And Analyzing The Data

Importing The Libraries

In [22]:
```
import numpy as np
import pandas as pd
import pickle
import seaborn as sns
import matplotlib.pyplot as plt
%matplotlib inline
import sklearn
from sklearn.preprocessing import LabelEncoder
from sklearn.tree import DecisionTreeClassifier
from sklearn.ensemble import GradientBoostingClassifier,RandomForestClassifier
from sklearn.neighbors import KNeighborsClassifier
from sklearn.model_selection import RandomizedSearchCV
from xgboost import XGBClassifier
from sklearn.ensemble import RandomForestClassifier
import imblearn
from imblearn.under_sampling import RandomUnderSampler
from sklearn.model_selection import train_test_split
from sklearn.preprocessing import scale
from sklearn.preprocessing import StandardScaler
from sklearn.metrics import accuracy_score,classification_report,confusion_matrix,f1_score
```

4.Dataset

5.Flask

6.Bootstrap

7.Virtual Environment

8.My sql.