INSTALLING PYTHON PACKAGES

TEAM ID	PNT2022TMID16214
PROJECT NAME	Efficient water quality analysis using machine learning

1.**Numpy**:

- Used to perform numerical computations
- This package is pre-installed in anaconda

2.**Pandas**:

- Provides high performance, easy to use structures and data analysis tools.
- This package is pre-installed in anaconda

3.**Matplotlib**:

- It is a comprehensive library for creating static, animated and interactive visualizations in python.

4.**Scikit-learn:**

- This is a machine learning library for the python programming language.

5.**Flask**:

- It is lightweight WSGI web application framework.

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Administrator: Anaconda Prompt (Anaconda3)

(base) C:\Users\Win 10>pip install numpy
Requirement already satisfied: numpy in c:\programdata\anaconda3\lib\site-packages (1.21.5)

(base) C:\Users\Win 10>pip install pandas
Requirement already satisfied: pandas in c:\programdata\anaconda3\lib\site-packages (1.4.2)
Requirement already satisfied: pytz>=2020.1 in c:\programdata\anaconda3\lib\site-packages (from pandas) (2021.3)
Requirement already satisfied: numpy>=1.18.5 in c:\programdata\anaconda3\lib\site-packages (from pandas) (1.21.5)
Requirement already satisfied: python-dateutil>=2.8.1 in c:\programdata\anaconda3\lib\site-packages (from pandas) (2.8.2)
Requirement already satisfied: six>=1.5 in c:\programdata\anaconda3\lib\site-packages (from python-dateutil>=2.8.1->pandas) (1.16.0)

(base) C:\Users\Win 10>pip install matplotlib
Requirement already satisfied: matplotlib in c:\programdata\anaconda3\lib\site-packages (3.5.1)
Requirement already satisfied: cycler>=0.10 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (0.11.0)
Requirement already satisfied: numpy>=1.17 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (1.21.5)
Requirement already satisfied: pillow>=6.2.0 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (9.0.1)
Requirement already satisfied: pyparsing>=2.2.1 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (3.0.4)
Requirement already satisfied: python-dateutil>=2.7 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (2.8.2)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (1.3.2)
Requirement already satisfied: fonttools>=4.22.0 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (4.25.0)
Requirement already satisfied: packaging>=20.0 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (21.3)
Requirement already satisfied: six>=1.5 in c:\programdata\anaconda3\lib\site-packages (from python-dateutil>=2.7->matplotlib) (1.16.0)

(base) C:\Users\Win 10>pip install scikit-learn
Requirement already satisfied: scikit-learn in c:\programdata\anaconda3\lib\site-packages (1.0.2)
Requirement already satisfied: scipy>=1.1.0 in c:\programdata\anaconda3\lib\site-packages (from scikit-learn) (1.7.3)
Requirement already satisfied: joblib>=0.11 in c:\programdata\anaconda3\lib\site-packages (from scikit-learn) (1.1.0)
Requirement already satisfied: threadpoolctl>=2.0.0 in c:\programdata\anaconda3\lib\site-packages (from scikit-learn) (2.2.0)
Requirement already satisfied: numpy>=1.14.6 in c:\programdata\anaconda3\lib\site-packages (from scikit-learn) (1.21.5)

(base) C:\Users\Win 10>pip install Flask
Requirement already satisfied: Flask in c:\programdata\anaconda3\lib\site-packages (1.1.2)
Requirement already satisfied: click>=5.1 in c:\programdata\anaconda3\lib\site-packages (from Flask) (8.0.4)
Requirement already satisfied: Werkzeug>=0.15 in c:\programdata\anaconda3\lib\site-packages (from Flask) (2.0.3)
Requirement already satisfied: Jinja2>=2.10.1 in c:\programdata\anaconda3\lib\site-packages (from Flask) (2.11.3)
Requirement already satisfied: itsdangerous>=0.24 in c:\programdata\anaconda3\lib\site-packages (from Flask) (2.0.1)
Requirement already satisfied: colorama in c:\programdata\anaconda3\lib\site-packages (from click>=5.1->Flask) (0.4.4)
Requirement already satisfied: MarkupSafe>=0.23 in c:\programdata\anaconda3\lib\site-packages (from Jinja2>=2.10.1->Flask) (2.0.1)

(base) C:\Users\Win 10>
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