Name:- Harsh Pillai 6243 SYIT-C

Practical No. 1

Aim: To install different Python libraries to perform Data Visualisation.

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In [1]: pip install matplotlib
         Defaulting to user installation because normal site-packages is not writeable
         Requirement already satisfied: matplotlib in c:\programdata\anaconda3\lib\site-packages (3.7.0)
         Requirement already satisfied: cycler>=0.10 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (0.11.0)
         Requirement already satisfied: python-dateutil>=2.7 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (2.8.
         -/
Requirement already satisfied: contourpy>=1.0.1 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (1.0.5)
         Requirement already satisfied: fonttools>=4.22.0 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (4.25.0)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (1.4.4)
         Requirement already satisfied: packaging>=20.0 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (22.0)
         Requirement already satisfied: pyparsing>=2.3.1 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (3.0.9)
Requirement already satisfied: pillow>=6.2.0 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (9.4.0)
         Requirement already satisfied: numpy>=1.20 in c:\programdata\anaconda3\lib\site-packages (from matplotlib) (1.23.5)
         Requirement already satisfied: six>=1.5 in c:\programdata\anaconda3\lib\site-packages (from python-dateutil>=2.7->matplotl
         ib) (1.16.0)
         Note: you may need to restart the kernel to use updated packages.
In [2]: pip install seaborn
         Defaulting to user installation because normal site-packages is not writeable
         Requirement already satisfied: seaborn in c:\programdata\anaconda3\lib\site-packages (0.12.2)
         Requirement already satisfied: matplotlib!=3.6.1,>=3.1 in c:\programdata\anaconda3\lib\site-packages (from seaborn) (3.7.
         Requirement already satisfied: pandas>=0.25 in c:\programdata\anaconda3\lib\site-packages (from seaborn) (1.5.3)
         Requirement already satisfied: numpy!=1.24.0.>=1.17 in c:\programdata\anaconda3\lib\site-packages (from seaborn) (1.23.5)
         Requirement already satisfied: pyparsing>=2.3.1 in c:\programdata\anaconda3\lib\site-packages (from matplotlib!-3.6.1,>=3.
         1->seaborn) (3.0.9)
         Requirement already satisfied: cycler>=0.10 in c:\programdata\anaconda3\lib\site-packages (from matplotlib!=3.6.1,>=3.1->s
         eaborn) (0.11.0)
         Requirement already satisfied: fonttools>=4.22.0 in c:\programdata\anaconda3\lib\site-packages (from matplotlib!=3.6.1,>=
         3.1->seaborn) (4.25.0)
         Requirement already satisfied: packaging>=20.0 in c:\programdata\anaconda3\lib\site-packages (from matplotlib!=3.6.1,>=3.1
          ->seaborn) (22.0)
         Requirement already satisfied: kiwisolver>=1.0.1 in c:\programdata\anaconda3\lib\site-packages (from matplotlib!=3.6.1.>=
         3.1->seaborn) (1.4.4)
         Requirement already satisfied: contourpy>=1.0.1 in c:\programdata\anaconda3\lib\site-packages (from matplotlib!=3.6.1,>=3.
         1->seaborn) (1.0.5)
         Requirement already satisfied: python-dateutil>=2.7 in c:\programdata\anaconda3\lib\site-packages (from matplotlib!=3.6.1,
         >=3.1->seaborn) (2.8.2)
         Requirement already satisfied: pillow>=6.2.0 in c:\programdata\anaconda3\lib\site-packages (from matplotlib!=3.6.1,>=3.1->
         seaborn) (9.4.0)
         Requirement already satisfied: pytz>=2020.1 in c:\programdata\anaconda3\lib\site-packages (from pandas>=0.25->seaborn) (20
         22.7)
         Requirement already satisfied: six>=1.5 in c:\programdata\anaconda3\lib\site-packages (from python-dateutil>=2.7->matplotl
         ibl=3.6.1,>=3.1->seaborn) (1.16.0)
Note: you may need to restart the kernel to use updated packages.
In [3]: pip install numpy
         Defaulting to user installation because normal site-packages is not writeable
         Requirement already satisfied: numpy in c:\programdata\anaconda3\lib\site-packages (1.23.5)
        Note: you may need to restart the kernel to use updated packages.
In [4]: pip install pandas
        Defaulting to user installation because normal site-packages is not writeable
        Requirement already satisfied: pandas in c:\programdata\anaconda3\lib\site-packages (1.5.3)
Requirement already satisfied: numpy>=1.21.0 in c:\programdata\anaconda3\lib\site-packages (from pandas) (1.23.5)
         Requirement already satisfied: pytz>=2020.1 in c:\programdata\anaconda3\lib\site-packages (from pandas) (2022.7)
         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->panda
         s) (1.16.0)
         Note: you may need to restart the kernel to use updated packages.
In [5]: import matplotlib.pyplot as plt
In [6]: import seaborn
In [7]: import numpy as np
In [8]: import pandas as pd
```

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