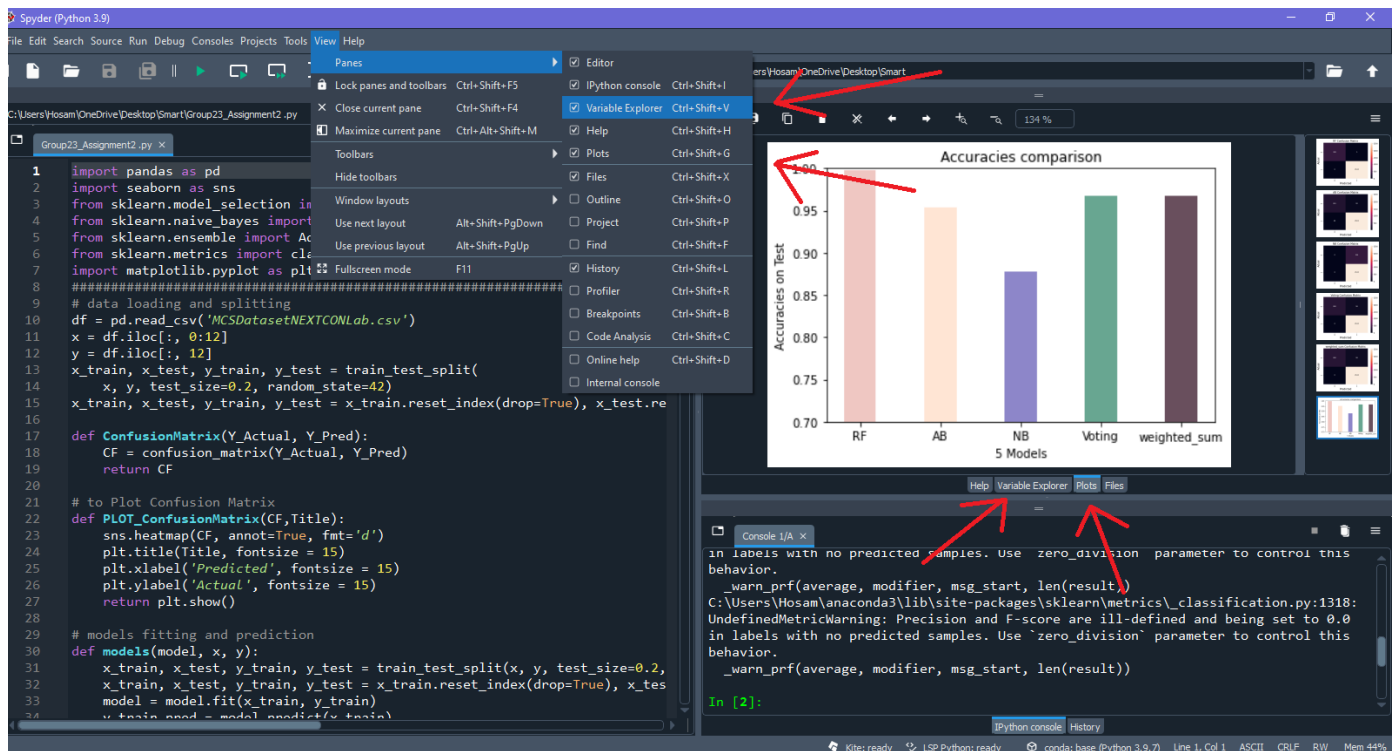
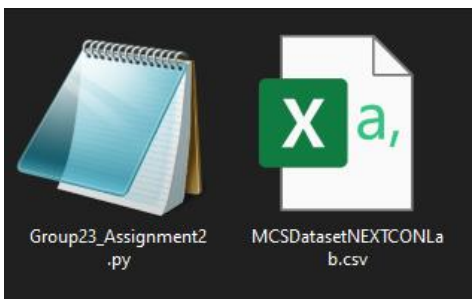


For best experience please consider to run **Group23_Assignment2.py** on Spyder to see all created variables on variables explorer tab and see all plots on plots tab.



And also, please make sure that the dataset and the python file is in the same directory path.



Please make sure that you have installed these libraries before importing it ->

import pandas as pd

import seaborn as sns

from sklearn.model_selection import train_test_split

from sklearn.naive_bayes import GaussianNB

from sklearn.ensemble import AdaBoostClassifier, RandomForestClassifier

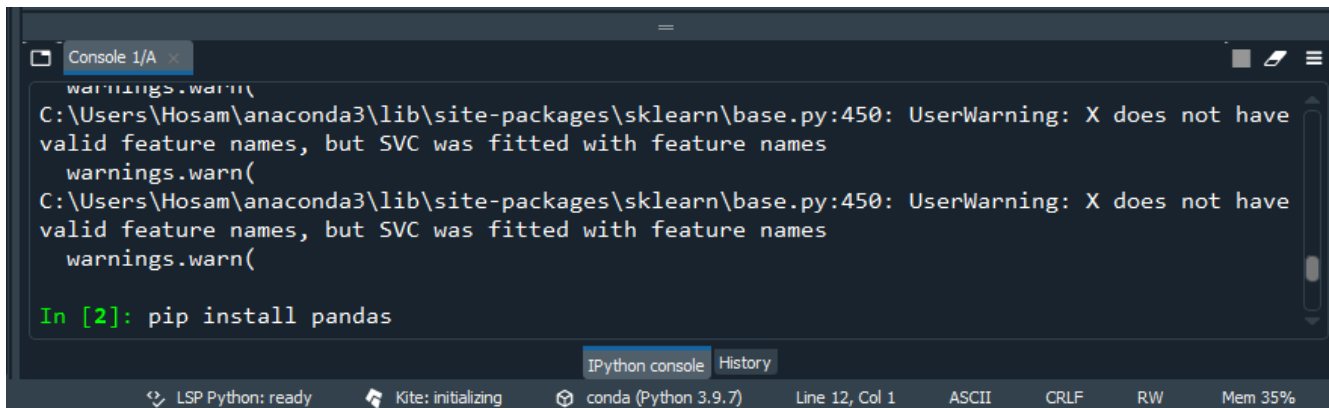
from sklearn.metrics import classification_report, accuracy_score, confusion_matrix

import matplotlib.pyplot as plt

To install the missing libraries, you have to write something like this ->

>>> pip install pandas

In Spyder console.



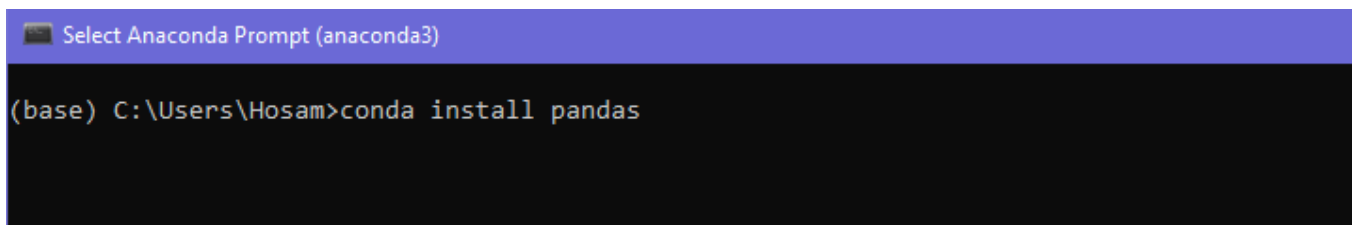
```
warnings.warn(
C:\Users\Hosam\anaconda3\lib\site-packages\sklearn\base.py:450: UserWarning: X does not have
valid feature names, but SVC was fitted with feature names
  warnings.warn(
C:\Users\Hosam\anaconda3\lib\site-packages\sklearn\base.py:450: UserWarning: X does not have
valid feature names, but SVC was fitted with feature names
  warnings.warn(

In [2]: pip install pandas
```

or

>>> conda install pandas

In Anaconda prompt.



```
Select Anaconda Prompt (anaconda3)

(base) C:\Users\Hosam>conda install pandas
```

List of required libraries:

pip install pandas

pip install numpy

pip install seaborn

pip install -U scikit-learn

pip install -U matplotlib

Or

Conda install pandas

And so on...