For best experience please consider to run **Group23_HW2.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 ->
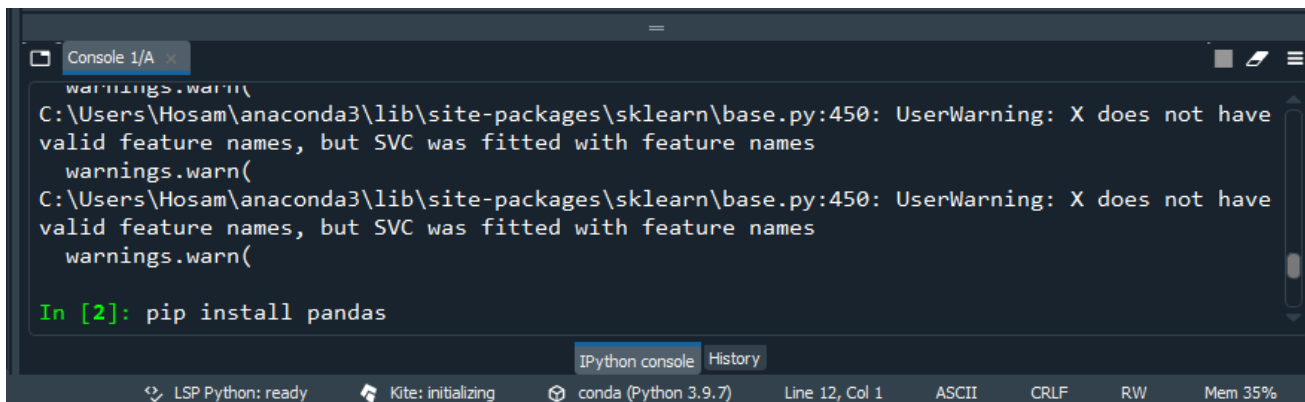
from sklearn.datasets import load_wine

import pandas as pd, numpy as np

from sklearn.preprocessing import StandardScaler

from sklearn.model_selection import train_test_split

from sklearn.naive_bayes import GaussianNB

from sklearn.metrics import confusion_matrix

import seaborn as sns , re

import matplotlib.pyplot as plt

from sklearn.metrics import accuracy_score

from matplotlib.colors import ListedColormap

from sklearn.metrics import classification_report

from sklearn.ensemble import ExtraTreesClassifier

from sklearn.neighbors import KNeighborsClassifier

import time

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

>>> pip install pandas

In Spyder console.

or

>>> conda install pandas
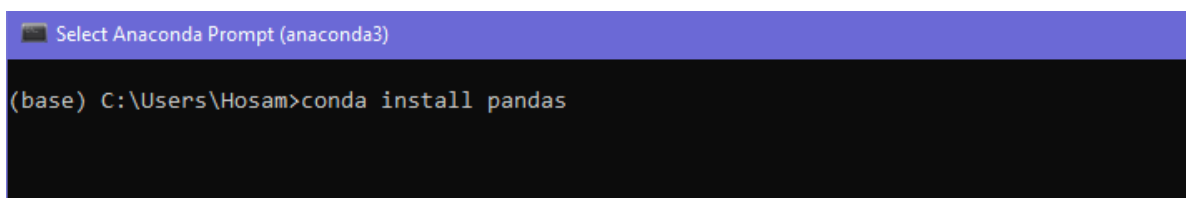
In Anaconda prompt.

List of required libraries:

pip install pandas

pip install numpy

pip install seaborn

pip install -U scikit-learn

pip install -U matplotlib

pip install python-time

Or

Conda install pandas

And so on…