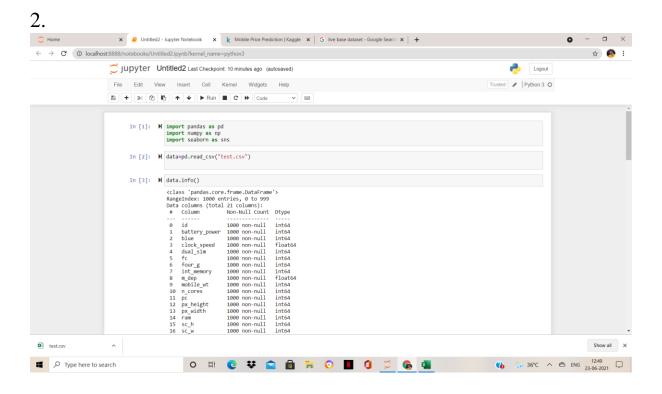
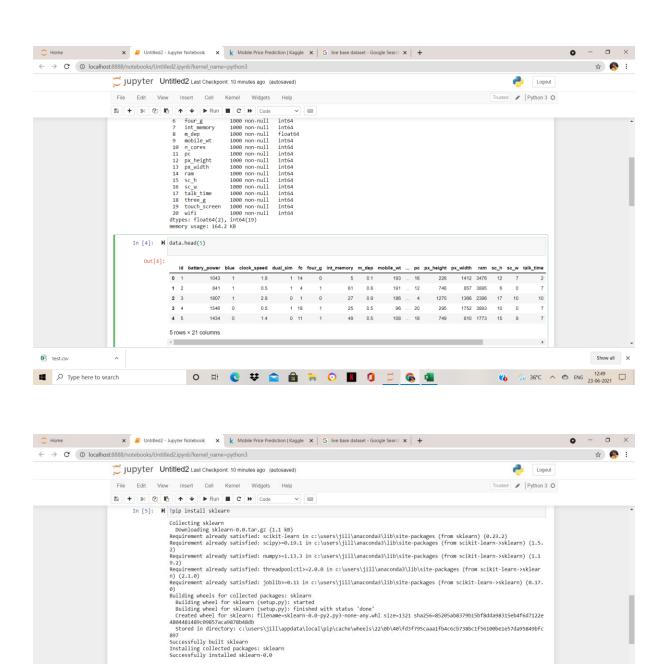
### **END SEMESTER- DWDM**

#### -R.SRIJILL 18BCS034

## Attributes and its types

1.battery\_power -numeric 2 blue -binary3 clock\_speed numeric 4 dual\_sim -binary 5 fc -numeric 6 four\_g -binary 7 int\_memory - numeric 8 m\_dep - numeric 9 mobile\_wt - numeric 10 n\_cores - numeric 11 pc - numeric 12 px\_height - numeric 13 px\_width - numeric - numeric 15 sc h - numeric 16 sc w 14 ram - numeric 17 talk\_time - numeric 18 three\_g -binary 19 -binary 20 wifi -binary touch screen





In [6]: M from sklearn import preprocessing
In [7]: M from sklearn.model\_selection import train\_test\_split

In [10]: H df1=df[['battery\_power','blue','clock\_speed','int\_memory','mobile\_wt','px\_height','px\_width','ram']]
df1.head()

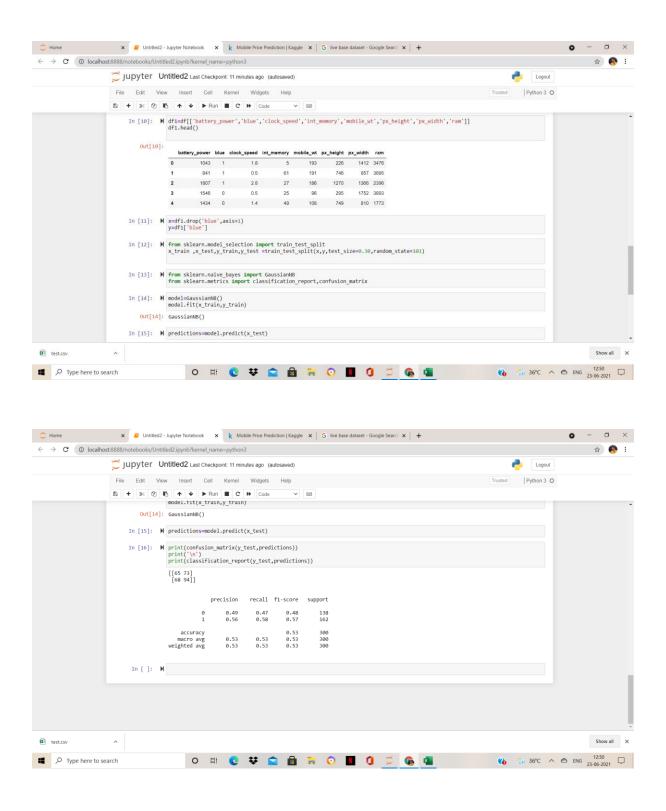
O Hi C # 😭 🛅 🦐 O 🖩 🐧 💆 🍖 📳 🔞 😘

Show all X

In [8]: M df=pd.read\_csv("test.csv")

test.csv

Type here to search



## 3. https://github.com/SRIJILL123/ENDSEM-18BCS034

# DWDM- ENDSEM

R.Gnijill 18BCS0-34

Naive Bayes classifiens are a collection of lassification Algorithms based on Bayes Theorem. classification Algorithms based on Bayes Theorem. It is not a single algorithm but a family of algorithm where algorithm but a family of algorithm where algorithm but a family of algorithm where all of them share a common principles.

PCAIB) = PCB)(A) PCA)
PCB)

Stops to implement Naive Bayes

- 1. Separate By Class
- 2. Summanige Dataset
- 3. Summarise Dala By class
- 4. Gransian Probability Desity Function
- 5. Class Probabilities.

To calculate the probability of a even occurring to calculate the probability of a even occurring to the count how many times are event of interest can occur and dividing it by the Smaple space.

How to calculate Confusion Matrix:

- if sexpeted outcome Values.
- 2. Predict all the rows in the test dataset.
- 3. Calculate the expected Predictions and outcomes.

Precision = TP

TP+FP

Sensitivity = TP

Tp+FN

Predictions = model. Prodict (x\_Name)

Accuracy is calculated as the total number of two correct predictions (TP+TN) divided by the total number of data Set (P+N)