(I) Test drive / Implement A Close , Pincer Search algorithm for CFI and MFI mining and LFI mining algorithm. To the extent possible add features that depict the trace or working of each of the algorithms for user-controlled parameters such as Support, Confidence etc.
(b) Test drive or implement any one algorithm each for CFI, MFI which has not been discussed in the class (Other than A-close and Pincer). You are free to use any open-source available versions (eg. FIMI website etc.)

Above qns you may test drive with the data sets you have used for testing the FIM algorithm as part of earlier exercise.

(II) Understand the working of the following classifier algorithms and trace the same for a sample dataset (min 10 records) which involves 2 classes (Binary Classifier) eg: 'Yes' or 'No' , 'True' or 'False'.

a) **Decision Tree Induction**

- Give pseudo code and trace decision tree algorithms.
- Understand attribute selection measures such as Information gain, gain ratio (use anyone for the trace).

b) **Naive Bayesian Classifier (NBC)**

- Read about Bayes theorem, conditional class independence, prior and posterior probabilities.
- How to handle zero probability scenario (Laplacian Estimator)
- Give a short pseudo code and trace.