

Lab Assignment

NOTE: Implement the problems using **Python** only, the datasets are attached with mail.

Practice: Write program for the problem discussed in class.

1. Implement Apriori algorithm for association rules. Run the algorithm with two different support and confidence level defined by you.

(Chees, Mushroom, Retail dataset can be used.)

- Print closed itemset.
- Print closed frequent itemset.

Note: Let $Y \subseteq I$ and

$$X \subseteq Y$$

If the X is an *infrequent* itemset, then Y is also an infrequent itemset. On that basis apply the Apriori algorithm.