Homework 4 (Due March. 1th, 2014)

1. Implement the brute-force solution of Frequent Itemset problem

(assuming the number of items is 20).

The testing dataset will be provided in the course webpage. The support level is given as an input parameter.

1. Extending your program to output all the maximal frequent itemsets and closed frequent itemsets.
2. If the main memory is 16GB, how many items in a transactional you can approximately handle using the brute-force solution?
3. Describe the pros-cons of Apriori & Eclat algorithms.
4. (Bonus question) Describe one scenario/application where frequent patterns can be potentially useful.