



### SECTION-B

2. A popular data warehouse implementation is to construct a multidimensional database, known as a data cube. Unfortunately, this may often generate a huge, yet very sparse multidimensional matrix. Present an example illustrating such a huge and-sparse data cube.
3. Describe the taxonomy of data mining tasks.
4. Association rule mining often generates a large number of rules. Discuss effective methods that can be used to reduce the number of rules generated while still preserving most of the interesting rules.
5. Describe the architecture and working of the search engine.
6. Discuss the Dependent Data Mart, Independent Data Mart and Federated Data Mart architectures of Data Warehouse, compare each type with suitable diagrams.

### SECTION-C

7. Explain various methods of data cleaning in detail.
8. Write an algorithm for finding frequency item sets for Mining Multilevel association rules from Transactional Databases.
9. Why naive Bayesian classification is called "naïve"? Briefly outline the major ideas of naive Bayesian classification. Explain Naive-Bayes classification.

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