

CS5483 review questions:

1. How to differentiate between HTML and XML?
2. How to implement cardinality data semantic in DTD?
3. How to define various data semantics in relational database?
4. Is user supervision needed in schemas integration? Why or why not?
5. How to develop a data warehouse?
6. What are the differences among various star schemas?
7. How to implement various OLAP operations by use of SQL?
8. How to implement various OLAP operations by use of MDX?
9. What is the definition and application of Apriori Algorithm?
10. What is the definition and application of Frequent Pattern Tree Algorithm?
11. What is the definition and application of Sequential Pattern?
12. What is the definition and application of Maximal Frequent Forward Sequence?
13. What is the definition and application of K-means?
14. What is the definition and application of K-Medoid?
15. How to implement Genetic Algorithm with user supervision?
16. How to implement Genetic Algorithm without user supervision?
17. How to implement Decision Tree with a C4.5 Algorithm?
18. What kind of user requirement is suitable for using Decision Tree in data mining?
19. How to implement neural network by using Backpropagation Algorithm?
20. Define various formulas and their justifications used in neural network?
21. What is the best approach of doing data conversion and why?
22. How to translate relational schema into XML DTD with validation?