

Important Questions

Relational Database and Management System

Short Answer Questions

1. Define Metadata.
2. Define System Catalog.
3. What is the role of database administrator? Explain.
4. Differentiate database schema and database state.
5. How is E-R data model useful?
6. Define an attribute and identifier.
7. What do you mean by relational model? Explain.
8. What is a relation? Explain relational data model.
9. What do you mean by redundancy?
10. What do you mean by normalization? Explain.
11. Explain the term data security.
12. Explain transaction support in brief.
13. What is the function of SELECT command?
14. What is the significance of NULL values?
15. What is the function of ORDER BY clause?
16. How can you sort the data by column alias name?
17. What do you mean by logical operators?
18. What do you mean by Nested If statements? Explain.
19. What do you mean by stored procedures? Explain.
20. What are the limitations of SQL? Explain.

Long Answer Questions

1. What are the different types of database and users? Discuss the main activities of each.
2. What are the various levels of data abstraction in a database?
3. What do you mean by hierarchical data model? Explain.
4. Explain the concept of participation constraints.
5. Differentiate between total and partial participation? Explain.
6. What do you mean by integrity constraints?
7. Define foreign key with example. What is this concept used for?
8. What is difference between 3NF and BCNF? Explain.
9. Define 4NF. Why is it useful? Explain in detail.
10. Describe the terms GRANT and REVOKE statements.
11. What are the various locking methods used in Data Security?
12. What do you mean by comparison operator? Why these are used?
13. Show all employee details from Emp table having salary less than 7000.
14. What do you mean by iterative control? Explain.
15. What do you mean by loop? What are different types of loops? Explain.
16. What are the guidelines for declaring variables? Explain.
17. Write Short note on: Relational Constraints and DBMS architecture.
18. Describe the PL/SQL block structure in detail.
19. Write down the advantages and disadvantages of DBMS.
20. Briefly describe different types of relationship in an E-R model.