

QUESTION BANK

1. What is a Database system?
2. What is the role of Database Administrator?
3. Disadvantage in File Processing System?
4. Describe the three levels of data abstraction?
5. What is Data Model?
6. What is E-R model?
7. What is a composite attribute? Give examples.
8. What is a single valued attribute? Give examples.
9. What is a multi valued attribute? Give examples.
10. What do you mean by cardinality? What are different kinds of cardinalities ?
11. What is a Relation Schema and a Relation?
12. What is degree of a Relation?
13. What is Relationship, Relationship set, and Relationship type?
14. What is degree of Relationship type?
15. What is SDL (Storage Definition Language)?
16. What is Data Storage - Definition Language?
17. What is DDL, DCL, and DML (Data Manipulation Language)?
18. Consider the following tables:
Employee (Emp_no, Name, Emp_city)
Company (Emp_no, Company_name, Salary)
 - i. Write a SQL query to display Employee name and company name.
 - ii. Write a SQL query to display employee name, employee city ,company name and salary of all the employees whose salary >10000
 - iii. Write a query to display all the employees working in 'XYZ' company.
19. What is Relational Algebra?
20. What are the unary operations in Relational Algebra?
21. What is a primary key ?
22. Define foreign key ? How does it play a role in the join operation ?
23. What are various Data types in SQL ?
24. What do you mean by SQL ?What are the characteristics of SQL ?
25. Explain Triggers and its types with examples.
26. Distinguish between static and dynamic SQL.
27. What is transitive dependency?
28. What is 1NF, 2NF, 3NF and BCNF (Boyce-Codd Normal Form)?
29. Explain about Boyce Codd normal form with an example.
30. What is a functional dependency?