DBMS Questions and Answers

2. Which of the following refers to the number of entities in a relation?
Answer: Cardinality

3. The primary key is selected from the:
Answer: Candidate keys

4. Third normal form is based on the concept of ___
Answer: Transitive Dependency

5. Which one of the following commands is used to modify a column inside a table?
Answer: Alter

6. Which of the following keys is generally used to represent the relationships between the tables?
Answer: Foreign key

7. The degree of a relation refers to the number of entity classes in the relation
Answer: False

8. An attribute of relation schema R, that is not a part of Primary key is always considered as Non-Prime attribute
Answer: True

9. The rule that a value of a foreign key must appear as a value of some specific table is called a ___
Answer: Referential integrity

10. Grant and revoke are ___ statements.
Answer: DCL

11. How data is actually stored can be expressed by the ___
Answer: Physical level

12. In ER Diagram, double line indicates ___
Answer: Total participation

13. A function that has no partial dependency is in ___ form
Answer: 2NF

14. An index helps to speed up?
Answer: SELECT queries

15. "AS" clause is used in SQL for
Answer: Rename

16. A table joined with itself is called ___
Answer: Self Join

17. The Inner query is executed first then the outer query
Answer: True

SQL Queries

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1. Increase the salary of employees in IT department by 10%:
UPDATE employees SET salary = salary * 1.10 WHERE department = 'IT';

2. Display employees whose salary is more than the average salary:
SELECT * FROM employees WHERE salary > (SELECT AVG(salary) FROM employees);
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3. Display the average salary for each department:
SELECT department, AVG(salary) AS avg_salary FROM employees GROUP BY department;