DBMS Query

1. Write SQL queries using integrity constraints to create tables for a database.
2. Write SQL queries to insert values into tables in the university database.
3. Write SQL queries using delete, drop table, alter table command.
4. Write a query searching for an attribute.
5. Write queries by implementing the DISTINCT and ALL keywords.
6. Write queries using arithmetic, logical, and relational operators.
7. Write queries using renaming (AS clause) operation.
8. Write queries using BETWEEN keyword and comparison operations.
9. Write queries using aggregate functions (AVG, MAX, MIN, SUM, COUNT).
10. Write subqueries for fetching specific data and show the usages of SOME and ALL clauses before the subqueries.
11. Write queries using string operations, attribute specification, and ORDER BY clause.
12. Write queries using set operations (UNION, INTERSECT, etc.).
13. Write queries using set membership, set comparison, and testing for empty relationships.
14. Write queries on multiple relations and the use of NATURAL JOIN keyword.
15. Write queries using different types of joins (INNER JOIN, LEFT JOIN, RIGHT JOIN).
16. Write SQL queries to create and manipulate views for displaying student details with their respective course names and grades.
17. Write SQL queries to create a trigger that automatically updates the budget of a department in the department table whenever an instructor's salary is updated in the instructor table.
18. Write SQL queries to create an index on the room_number column of the classroom table to speed up searches for classrooms based on their room numbers. Additionally, demonstrate how to drop this index if it is no longer needed.