**DBMS Experiment List**

**List of experiments:-**

* + - 1. Design an Entity-Relationship (ER / EER) model for hospital database.
      2. Design an Entity-Relationship (ER / EER) model for school database.
      3. Design an Entity-Relationship (ER / EER) model for company database.
      4. Create and populate database and perform DROP and ALTER commands on your own considered database.
      5. Create and populate database and perform TRUNCATE and ALTER commands TO DELETE COLUMN on your own considered database.
      6. Apply Integrity Constraints ( UNIQUE, DEFAULT) for the specified database system.
      7. Perform data Manipulation language (DML) commands UPDATE, DELETE on your own considered database.
      8. Apply Integrity Constraints (NOT NULL, CHECK) for the specified database system.
      9. Apply foreign key relationship and primary key constraints to relations in the specified database system.
      10. Perform string manipulation based on \_ and % operators on your considered database
      11. Perform and Implement inner Join operations on your database tables
      12. Perform and Implement right outer Join operations on your database tables
      13. Implement views and perform various operations on your database tables
      14. Implement SQL clause SELECT FROM WHERE GROUPBY having clause and implement on your database table.
      15. Create Schema and insert at least 5 records for each table. Add appropriate database constraints.
      16. Perform SQL clause SELECT FROM WHERE GROUPBY order clause and implement on your database table.
      17. Copy all the records of their columns EMPNO, ENAME, JOB from EMP table and insert the records into a temp table with column names same as EMPNO, ENAME, JOB. Delete all the records of employees.
      18. Use of aggregate functions (AVG, COUNT, MIN, MAX, SUM)
      19. **Consider the following schema for Order Database:**

**SALESMAN(Salesman\_id, Name, City, Commission)**

**CUSTOMER(Customer\_id, Cust\_Name, City, Grade, Salesman\_id) ORDERS(Ord\_No, Purchase\_Amt, Ord\_Date, Customer\_id, Salesman\_id) Write SQL queries to**

1. Find the name and numbers of all salesman who had more than one customer. 2. List all the salesman and indicate those who have and don’t have customers in their cities (Use UNION operation.)

* + - 1. **Consider the following schema for Order Database:**

**SALESMAN(Salesman\_id, Name, City, Commission)**

**CUSTOMER(Customer\_id, Cust\_Name, City, Grade, Salesman\_id) ORDERS(Ord\_No, Purchase\_Amt, Ord\_Date, Customer\_id, Salesman\_id) Write SQL queries to**

1. Create a view that finds the salesman who has the customer with the highest order of a day.

2. Demonstrate the DELETE operation by removing salesman with id 1000. All his orders must also be deleted.