Create the following tables in SQL and enter required tuples.

EMP (emp_no, emp_name, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO)
- MGR: Employee's Manager's EMP_NO
- JOB type: MANAGER,SALES,CLERK,OFFICER,PRESIDENT
- COMM: Only for SALES

Express the following queries in SQL:

1. List the emps who joined on 1May81,31Dec81, 17Dec81, 19Jan80 in asc order of seniority.

2. Find the details of highest and lowest paid employee.

3. List the employees whose annual salary ranging from 22000 and 45000 .

4. List the emps those are having five characters in their names.

5. List the emps those are having four chars and third char must be 'r'

6. List the employees who joined in January.

7. List the emps whose names having a character set 'll' together.

8. List the emps those who joined in 80's and 90's

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Create the following tables in SQL and enter required tuples.

EMP (<u>emp_no</u>, emp_name, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO)
- MGR: Employee's Manager's EMP_NO
- JOB type: MANAGER,SALES,CLERK,OFFICER,PRESIDENT
- COMM: Only for SALES

Express the following queries in SQL:

1. Display unique jobs from EMP table.

2. List the details of the emps in asc order of their salaries.

3. Display all the unique job groups in the descending order

4. Display all the details of all 'MANAGERS'.

5. List the most experienced employee in all departments.

6. List the EMPNO, Ename, Sal, Daily Sal of all EMPs in the descending order of SAL.

7. List the EMPNO, Ename, Experience of all 'Mgrs'.

8. List The Employee details with 2nd Highest Salary .

Create the following tables in SQL and enter required tuples.

EMP (EMP_NO, EMP_NAME, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO)

- MGR: Employee's Manager's EMP_NO
- JOB type: MANAGER,SALES,CLERK,OFFICER,PRESIDENT
- COMM: Only for SALES

DEPT (DEPTNO, DNAME, LOC)

   DNAME type: Marketing, Accounts, Admin, HRD

Express the following queries in SQL:

1. *List the most recently hired emp HRD belongs to the Loc KOLKATA.*
2. *Display the number of emp for each job group deptno wise*
3. List the emps in dept 20 whose sal > the avg sal of deptno 10 emps.
4. *List the details of the dept where the max no of emp are working*
5. *List the emp who are not working in sales dept*
6. *List the emp name, dept, sal & comm. For those whose salary is between 2000 and 5000 while loc is KOLKATA.*
7. *List the name, job, dname, loc for those who are working as a 'MGRs*
8. *List the emp name, job, salary, and dname except 'CLERK'sand sort on the basis of highest salary.*

Create the following tables in SQL and enter required tuples.

Customer (cust_id, cust_name, annual_revenue, cust_type)

- Cust_id must be between 100 and 10,000.
- Cust_type must be 'MANUFACTURER', 'WHOLESALER', or 'RETAILER'.

City (city_name, population)

Shipment (shipment_no, cust_id, weight, truck _no, destination, ship_date)

- **Foreign key:** cust_id references customer on delete cascade.
- destination references city, truck_no references Truck.
- Weight must be under 1000.

Truck (truck_no, driver_name)

Express the following queries in SQL:

1) *Give names of customer who have sent packages (shipments) to Kolkata, Chennai and Munbai.*
2) *List the names of the driver who have delivered shipments weighing over 200 kilos.*
3) *Retrieve the maximum and minimum weights of the shipments. Rename the output as "Max_Weight" and "Min_ Weight" respectively.*
4) *For each customer, what is the average weight of package sent by that customer?*
5) *List the names and populations of cities that have received shipments weighing over 100 pounds.*

Create the following tables in SQL and enter required Tuples.

Customer (<u>cust_id</u>, cust_name, annual_revenue, cust_type)

- Cust_id must be between 100 and 10,000.
- Cust_type must be 'MANUFACTURER', 'WHOLESALER', or 'RETAILER'.

City (<u>city_name</u>, population)

Shipment (<u>shipment_no, cust_id</u>, weight, truck _no, destination, ship_date)

- **Foreign key:** cust_id references customer on delete cascade.
- destination references city, truck_no references Truck.
- Weight must be under 1000.

Truck (<u>truck_no</u>, driver_name)

Express the following queries in SQL:

1   For each city, what is the maximum weight of a package sent to that city?
2   List the name and annual revenue of customers whose shipments have been delivered by truck driver 'BARUN'.
3   List drivers who have delivered shipments to every city.
4   For each city, with population over ONE LAKH, what is the minimum weight of a package sent to that city.
5   List cities that have received minimum shipments from every customer.

Create the following table in SQL and enter required tuples.

EMP (emp_no, emp_name, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO)
- MGR: Employee's Manager's EMP_NO
- JOB type: MANAGER,SALES,CLERK,OFFICER,PRESIDENT
- COMM: Only for SALES

Express the following queries in SQL:

1. Find the employees who are not getting any commission.

2. List all the emps except 'president' & 'Mgr' in asc order of salaries.

3. List the emps who joined in before or after 1981

4 List the employees who are having Manager.

5. List the employees with hiredate in format 'June 4,1988'

6. Display the Manager Code who has the HIGHEST no. of employees working under him.

7. Find the Average salary of each department . Rename the column as " AVERAGE SALARY"

8. Display the Employee details who have the 2nd highest salary.