

## **20MCA134 ADVANCED DBMS LAB**

### **LAB CYCLE 2**

#### **Experiment No: 4**

#### **Familiarization of Subquery, Joins, Views and Set Operations.**

#### **Consider the following Database Schema**

**Employee (ID character 5, DeptID numeric 2 , Name character 15, Designation character 15, Basic numeric 10,2 , Gender character 1)**

<b>ID</b>	<b>DeptID</b>	<b>Name</b>	<b>Designation</b>	<b>Basic</b>	<b>Gender</b>
101	1	Ram	Typist	2000	M
102	2	Arun	Analyst	6000	M
121	1	Ruby	Typist	2010	F
156	3	Mary	Manager	4500	F
123	2	Mridula	Analyst	6000	F
114	4	Menon	Clerk	1500	M
115	4	Tim	Clerk	1500	M
127	2	Kiran	Manager	4000	M

- 1. Display the different designations existing in the organisation.**
- 2. Display the number of different designations existing in the organisation.**
- 3. Display ID, name, desig,deptID and basic, DA, HRA and net salary of all employees with suitable headings as DA, HRA and NET\_SAL respectively.(DA is 7.5% of basic, and NET\_SAL is Basic + DA+ HRA)**
- 4. Display the maximum salary given for female employees.**
- 5. Add a column manager-id into the above table.**

6. Update values of manager id of employees as null for 101, 101 for 102, 121, 156. 102 for 123,114,115.121 for 127.
7. Add a column joining date to the above table and update appropriate values for the joining date field.
8. Display the details of employees according to their seniority.
9. Create a new table DEPARTMENT with fields DEPTID and DNAME. Make DEPTID as the primary key and make DEPTID in employee table to refer to the DEPARTMENT table.
10. Insert values into the DEPARTMENT table. Make sure that all the existing values for DEPTID in emp is inserted into this table. Sample values are DESIGN, CODING, TESTING, RESEARCH.
11. Display the employee name and department name.
12. Display the department name of employee Arun.
13. Display the salary given by DESIGN department.
14. Display the details of typist working in DESIGN department.
15. Display the salary of employees working in RESEARCH department.
16. List the female employees working in TESTING department.
17. Display the details of employees not working in CODING or TESTING department.
18. Display the names of department giving maximum salary.
19. Display the names of departments with minimum number of employees.
20. Display the second maximum salary.
21. Display the second minimum salary.
22. Display the names of employees getting salary greater than the average salary of their department.
23. Display the names of employees working under the manager Ram.