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Experiment - 4

Aim: Write and execute SQL queries- Operators (and, or, not, like, between, in):

1. Display all employee names that starts with "a" and are at least 3 characters in length.

⇨ **select first_name, last_name from emp where lower(first_name) like 'a%' and length(first_name) >= 3;**

2. Display departments having Dallas, New York and Chicago locations.

⇨ **Select * from departments where lower(location) = 'dallas' or lower(location) = 'new york' or lower(location) = 'chicago';**

3. Display the names of employees who are working as clerk, salesman or analyst anddrawing a salary more than 3000.

⇨ **Select first_name , job, salary from emp where lower(job) IN ('clerk', 'salesman', 'analyst') and salary >= 3000;**

4. Display the names of employees who are not working as managers.

⇨ **select first_name, last_name from emp where lower(job) != 'manager';**

5. Display the name of emp who earns highest salary

⇨ **select first_name, salary from emp where salary = (select max(salary) from emp);**

6. Display the employee number and name of employee working as CLERK and earning highest salary among CLERKS.

⇨ **select first_name, last_name, emp_no from emp where lower(job) = 'clerk' and salary = (select max(salary) from emp where lower(job) = 'clerk');**

7. Display the names of clerks who earn salary less than that of James of that of sal more than that of bob.

⇨ **select emp_no, first_name, last_name from emp where lower(job) = 'clerk' and salary < (select salary from emp where lower(first_name)='james') and salary > (select salary from emp where lower(first_name)='bob');**

8. Display the names of the employees who earn highest salary in their respective departments.

⇨ **select i.first_name, i.last_name, i.salary from emp i where i.salary IN (select max(i2.salary) from emp i2 where i2.deptno = i.deptno);**

9. Display those employees who are working in the same dept where his manager is working.

⇨ **select e.first_name, e.last_name from emp e join emp e1 on e.manager_id = e1.emp_no where e.deptno = e1.deptno;**