## RAMANITHARAN.S 231901040

Exp no: 06 RESTRICTING AND SORTING DATA date:07/10/2024

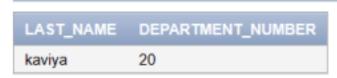
1. Create a query to display the last name and salary of employees earning more than 12000.

SELECT last\_name, salary FROM employees WHERE salary > 12000;

| LAST_NAME | SALARY |
|-----------|--------|
| Smith     | 13000  |
| kaviya    | 13000  |
| moni      | 13000  |
|           |        |

2. Create a query to display the employee last name and department number for employee number 176.

SELECT last\_name, department\_id FROM employees WHERE employee\_id = 176;



3. Create a query to display the last name and salary of employees whose salary is not in the range of 5000 and 12000. (hints: not between )

SELECT last\_name, salary FROM employees WHERE salary NOT BETWEEN 5000 AND 12000;

| LAST_NAME | SALARY |
|-----------|--------|
| Smith     | 13000  |
| Williams  | 4000   |
| Jones     | 2500   |
| kaviya    | 13000  |
| moni      | 13000  |

4. Display the employee last name, job ID, and start date of employees hired between February 20,1998 and May 1,1998.order the query in ascending order by start date.(hints: between)

SELECT last\_name, job\_id, hire\_date FROM employees WHERE hire\_date BETWEEN '1998-02-20' AND '1998-05-01' ORDER BY hire\_date ASC;

| LAST_NAME | JOB_ID               | HIRE_DATE  |
|-----------|----------------------|------------|
| Brown     | Analyst              | 04/08/0020 |
| Johnson   | Stock Clerk          | 05/05/0022 |
| Williams  | Manager              | 01/07/0023 |
| Smith     | Sales Representative | 03/01/0024 |

5. Display the last name and department number of all employees in departments 20 and 50 in alphabetical order by name.(hints: in, orderby)

SELECT last\_name, department\_id FROM employees WHERE department\_id IN (20, 50) ORDER BY last\_name ASC;

| LAST_NAME | DEPARTMENT_NUMBER | R |
|-----------|-------------------|---|
| Johnson   | 50                |   |
| Jones     | 20                |   |
| Smith     | 20                |   |
| kaviya    | 20                |   |
|           | 1: 0.00           |   |

6. Display the last name and salary of all employees who earn between 5000 and 12000 and are in departments 20 and 50 in alphabetical order by name. Label the columns EMPLOYEE, MONTHLY SALARY respectively.(hints: between, in)

SELECT last\_name AS EMPLOYEE, salary AS MONTHLY\_SALARY FROM employees
WHERE salary BETWEEN 5000 AND 12000 AND department\_id IN (20, 50)

ORDER BY last\_name ASC;

| EMPLOYEE | MONTHLY_SALARY |
|----------|----------------|
| Johnson  | 8000           |

7. Display the last name and hire date of every employee who was hired in 1994.(hints: like)

SELECT last\_name, hire\_date FROM employ WHERE hire\_date BETWEEN '01-01-1998' AND '12-31-1998';

| LAST_NAME | HIRE_DATE  |  |
|-----------|------------|--|
| moni      | 05/01/1998 |  |
| dinesh    | 02/20/1998 |  |

8. Display the last name and job title of all employees who do not have a manager.(hints: is null)

SELECT last\_name, job\_title FROM employees WHERE manager\_id IS NULL;

| LAST_NAME | JOB_ID               |
|-----------|----------------------|
| Smith     | Sales Representative |
| kaviya    | Sales Representative |
| moni      | Sales Representative |

3 rows returned in 0.00 seconds Dow

9. Display the last name, salary, and commission for all employees who earn commissions. Sort data in descending order of salary and commissions.(hints: is not nul,orderby)

SELECT last\_name, salary, commission\_pct FROM employees WHERE commission\_pct IS NOT NULL ORDER BY salary DESC, commission\_pct DESC;

| LAST_NAME | SALARY | COMMISSION |
|-----------|--------|------------|
| Smith     | 13000  | 200        |
| kaviya    | 13000  | 200        |
| moni      | 13000  | 200        |
| Brown     | 6000   | 100        |
| Jones     | 2500   | 150        |

10. Display the last name of all employees where the third letter of the name is



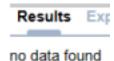
a.(hints:like)

SELECT last\_name FROM employees WHERE last\_name LIKE '\_\_a%'; 11. Display the last name of all employees who have an a and an e in their last name.(hints: like)

SELECT last\_name

FROM employees

WHERE last\_name LIKE '%a%' AND last\_name LIKE '%e%';



12. Display the last name and job and salary for all employees whose job is sales representative or stock clerk and whose salary is not equal to 2500 ,3500 or 7000.(hints:in,not in)

SELECT last\_name, job\_id, salary FROM employees WHERE job\_id IN ('Sales Representative', 'Stock Clerk') AND salary NOT IN (2500, 3500, 7000);

| LAST_NAME | JOB_ID               | SALARY |
|-----------|----------------------|--------|
| Smith     | Sales Representative | 13000  |
| Johnson   | Stock Clerk          | 8000   |
| kaviya    | Sales Representative | 13000  |
| moni      | Sales Representative | 13000  |
| dinesh    | Stock Clerk          | 8000   |