GANESHAN.M

230701514

Ex.No.: 9	SUB QUERIES
Date: 04.09.2024	

1. The HR department needs a query that prompts the user for an employee last name. The query then displays the last name and hire date of any employee in the same department as the employee whose name they supply (excluding that employee). For example, if the user enters Zlotkey, find all employees who work with Zlotkey (excluding Zlotkey).

SELECT e.last_name, e.hire_date FROM employees e WHERE e.department_id = (SELECT department_id FROM employees WHERE UPPER(last_name) = UPPER('&last_name')) AND UPPER(e.last_name) != UPPER('&last_name');

LAST_NAME	HIRE_DATE
Johnson	03/01/1998
Austin	08/22/2021

2. Create a report that displays the employee number, last name, and salary of all employees who earn more than the average salary. Sort the results in order of ascending salary.

SELECT employee_id, last_name, salary FROM employees WHERE salary > (SELECT AVG(salary) FROM employees) ORDER BY salary ASC;

EMPLOYEE_ID	LAST_NAME	SALARY
176	Smith	12500
106	Wilson	13500
104	Davis	15000
107	Andrea	16000

GANESHAN.M

230701514

3. Write a query that displays the employee number and last name of all employees who work in a department with any employee whose last name contains a *u*.

SELECT employee_id, last_name FROM employees WHERE department_id IN (SELECT department_id FROM employees WHERE LOWER(last_name) LIKE '%u%');

EMPLOYEE_ID	LAST_NAME
101	Matos
103	Johnson
109	Austin

4. The HR department needs a report that displays the last name, department number, and job ID of all employees whose department location ID is 1700.

SELECT last_name, department_id, job_id FROM employees WHERE department_id IN (SELECT department_id FROM departments WHERE location_id = 1700);

LAST_NAME	DEPARTMENT_ID	JOB_ID
Miller	10	ST_CLERK
Andrea	10	IT_PROG

5. Create a report for HR that displays the last name and salary of every employee who reports to King.

SELECT last_name, salary FROM employees WHERE manager_id = (SELECT employee_id FROM employees WHERE UPPER(last_name) = 'KING');

LAST_NAME	SALARY
Smith	12500
Davis	15000
Andrea	16000

GANESHAN.M

230701514

6. Create a report for HR that displays the department number, last name, and job ID for every employee in the Executive department.

SELECT department_id, last_name, job_id FROM employees WHERE department_id = (SELECT department_id FROM departments WHERE UPPER(department_name) = 'EXECUTIVE');

DEPARTMENT_ID	LAST_NAME	JOB_ID
50	Matos	IT_PROG
50	Johnson	SA_MAN
50	Austin	AC_MGR

7. Modify the query 3 to display the employee number, last name, and salary of all employees who earn more than the average salary and who work in a department with any employee whose last name contains a *u*.

SELECT employee_id, last_name, salary FROM employees WHERE department_id IN (SELECT department_id FROM employees WHERE LOWER(last_name) LIKE '%u%') AND salary > (SELECT AVG(salary) FROM employees);

EMPLOYEE_ID	LAST_NAME	SALARY
106	Wilson	13500
104	Davis	15000