Ex.No.: 9	
Date: 10/09/2024	SUB QUERIES

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 (EXCLUDINGZLOTKEY).

```
SELECT LAST_NAME,
HIRE_DATEFROM
EMPLOYEES
WHERE DEPARTMENT_ID =
   ALL(SELECT
   DEPARTMENT_ID FROM
   EMPLOYEES
   WHERE LAST_NAME = 'ZLOTKEY'
)
AND LAST_NAME != 'ZLOTKEY';
```



2) CREATE A REPORT THAT DISPLAYS THE EMPLOYEE NUMBER, LAST NAME, AND SALARY OF ALLEMPLOYEES 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;



3) WRITE A QUERY THAT DISPLAYS THE EMPLOYEE NUMBER AND LAST NAME OF ALL EMPLOYEES WHOWORK 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 LAST_NAME LIKE '%A%' AND LAST_NAME LIKE '%U%');



4) THE HR DEPARTMENT NEEDS A REPORT THAT DISPLAYS THE LAST NAME, DEPARTMENT NUMBER, ANDJOB ID OF ALL EMPLOYEES WHOSE DEPARTMENT LOCATION ID IS 1700.

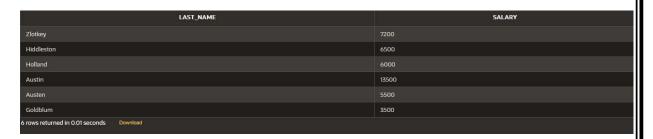
SELECT E.LAST_NAME, E.DEPARTMENT_ID, E.JOB_ID

```
FROM EMPLOYEES E
INNER JOIN DEPARTMENT D ON E.DEPARTMENT_ID =
D.DEPT_IDWHERE E.DEPARTMENT_ID IN (
    SELECT
    DEPT_ID FROM
    DEPARTMENT
    WHERE LOCATION ID = 1700);
```

LAST_NAME	DEPARTMENT_ID	JOB_ID		
Abu		#cb025		
Morris	55	#ce005		
andru		#bc023		
s rows returned in 0.02 seconds Download				

5) CREATE A REPORT FOR HR THAT DISPLAYS THE LAST NAME AND SALARY OF EVERY EMPLOYEE WHOREPORTS TO KING.

SELECT E.LAST_NAME,
E.SALARYFROM
EMPLOYEES E
WHERE E.MANAGER_ID
IN (SELECT
D.MANAGER_ID FROM
DEPARTMENT D
WHERE D.MANAGER_NAME = 'KING');



6) CREATE A REPORT FOR HR THAT DISPLAYS THE DEPARTMENT NUMBER, LAST NAME, AND JOB ID FOREVERY EMPLOYEE IN THE EXECUTIVE DEPARTMENT.

SELECT E.DEPARTMENT_ID, E.LAST_NAME, E.JOB_IDFROM EMPLOYEES E JOIN DEPARTMENT D ON E.DEPARTMENT_ID = D.DEPT_IDWHERE D.DEPT_NAME = 'EXECUTIVE';

DEPARTMENT_ID	LAST_NAME	JOB_ID
75	Goldblum	ST_CLERK
75	Stan	#ss022
25	Austin	#ka028
75	Bautista	#db017
25	Diesel	#vd016
5 rows returned in 0.02 seconds Download		

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 WITHANY EMPLOYEE WHOSE LAST NAME CONTAINS A U.

```
SELECT E.EMPLOYEE_ID, E.LAST_NAME,
E.SALARYFROM EMPLOYEES E

WHERE E.SALARY > (
    SELECT
    AVG(SALARY)FROM
    EMPLOYEES
)
AND E.DEPARTMENT_ID
    IN ( SELECT
    X.DEPARTMENT_ID
    FROM EMPLOYEES X
    WHERE X.LAST_NAME LIKE '%A%' AND X.LAST_NAME LIKE '%U%'
);
```

EMPLOYEE_ID	LAST_NAME	SALARY
3	Downey	9000
22	Stan	9000
25	Abu	13500
23	andru	8200
4 rows returned in 0.01 seconds Download		