

SUB QUERIES

EXP : 9

DATE :

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).

Ans :

```
SELECT LASTNAME, HIREDATE FROM employees WHERE DEPARTMENT_ID = ( SELECT  
DEPARTMENT_ID FROM employees WHERE LASTNAME = :enter_last_name) AND LASTNAME  
<> :enter_last_name;
```

Results Explain Describe Saved SQL History	
LASTNAME	HIREDATE
davies	11/10/2006
1 rows returned in 0.01 seconds Download	

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.

Ans :

```
select employee_id,lastname,salary from employees where salary > (select avg(salary) from  
employees) order by salary asc;
```

Results Explain Describe Saved SQL History		
EMPLOYEE_ID	LASTNAME	SALARY
10	Matos	54000
1 rows returned in 0.01 seconds Download		

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.

Ans :

```
SELECT employee_id, lastname FROM employees WHERE department_id IN (SELECT department_id FROM employees WHERE lastname LIKE '%u%');
```

Results Explain Describe Saved SQL History	
EMPLOYEE_ID	LASTNAME
6	austin
1 rows returned in 0.01 seconds Download	

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.

Ans :

```
select lastname, department_id, job_id from employees where department_id = (select department_id from employees where country_id = 1700);
```

Results Explain Describe Saved SQL History		
LASTNAME	DEPARTMENT_ID	JOB_ID
sp	50	14
davies	50	12
2 rows returned in 0.01 seconds Download		

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

Ans :

```
SELECT lastname, salary FROM employees WHERE manager_id = (SELECT employee_id FROM employees WHERE lastname = 'King');
```

Results Explain Describe Saved SQL History
no data found

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

Ans :

```
SELECT department_id, lastname, job_id FROM employees WHERE department_id = (SELECT departmentid FROM department_1 WHERE jobc = 'Executive');
```

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.

Ans :

```
SELECT EMPLOYEE_ID, LASTNAME, SALARY FROM employees WHERE SALARY >
(SELECT AVG(SALARY) FROM employees) AND DEPARTMENT_ID IN (SELECT
DISTINCT DEPARTMENT_ID FROM employees WHERE LASTNAME LIKE '%u%');
```