**Assignment 6**

**Using Sub-queries to solve Queries**

1. The HR department needs a query that prompts users 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).

Solution: select

last\_name, hire\_date

from hr.employees

where

department\_id in

(select department\_id from hr.employees where last\_name='Zlotkey')

and last\_name<>'Zlotkey'

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 ascending order by salary.

Solution: select

employee\_id,last\_name,salary

from hr.employees

where

salary > (select avg(salary) from hr.employees)

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.

Solution:

select

employee\_id,last\_name

from

hr.employees

where department\_id in

(select department\_id from hr.employees

where

last\_name like '%u%')

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.

Solution: select

last\_name,department\_id,job\_id

from

hr.employees

where

department\_id in

(select department\_id from hr.departments where location\_id=1700)

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

Solution: select

last\_name,salary

from

hr.employees ;

where manager\_id in

(select employee\_id from hr.employees where last\_name='King')

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

Solution: select department\_id, last\_name, job\_id

from

hr.employees

where department\_id =

(select department\_id from hr.departments where department\_name='Executive');

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

Solution:

select

employee\_id,last\_name,salary,department\_id

from hr.employees

where

salary> (select avg(salary) from hr.employees)

and department\_id in

(select department\_id from hr.employees where last\_name like '%u%')