***Subqueries***

**Practice 6 Solutions**

1. Write a query to display the last name and hire date of any employee in the same

department as Zlotkey. Exclude Zlotkey.

**Ans:**

**SELECT last\_name, hire\_date**

**FROM employees**

**WHERE department\_id = (SELECT department\_id**

**FROM employees**

**WHERE last\_name = 'Zlotkey')**

**AND last\_nae <> 'Zlotkey';**

2. Create a query to display the employee numbers and last names of all employees who earn more than the average salary. Sort the results in descending order of salary.

**Ans:**

**SELECT employee\_id, last\_name**

**FROM employees**

**WHERE salary > (SELECT AVG(salary)**

**FROM employees);**

3. Write a query that displays the employee numbers and last names of all employees who work in a

department with any employee whose last name contains a *u*. Place your SQL statement in a text

file named lab6\_3.sql. Run your query.

**Ans:**

**SELECT employee\_id, last\_name**

**FROM employees**

**WHERE department\_id IN (SELECT department\_id**

**FROM employees**

**WHERE last\_name like '%u%');**

4. Display the last name, department number, and job ID of all employees whose department location ID is 1700.

**Ans:**

**SELECT last\_name, department\_id, job\_id**

**FROM employees**

**WHERE department\_id IN (SELECT department\_id**

**FROM departments**

**WHERE location\_id = 1700);**

5. Display the last name and salary of every employee who reports to King.

**Ans:**

**SELECT last\_name, salary**

**FROM employees**

**WHERE manager\_id = (SELECT employee\_id**

**FROM employees**

**WHERE last\_name = 'King');**

6. Display the department number, last name, and job ID for every employee in the Executive

department.

**Ans:**

**SELECT department\_id, last\_name, job\_id**

**FROM employees**

**WHERE department\_id IN (SELECT department\_id**

**FROM departments**

**WHERE department\_name = 'Executive');**

If you have time, complete the following exercises:

7. Modify the query in lab6\_3.sql to display the employee numbers, last names, and salaries of all employees who earn more than the average salary and who work in a department with any employee with a *u* in their name. Resave lab6\_3.sql to lab6\_7.sql. Run the statement in

lab6\_7.sql.

**Ans:**

**SELECT employee\_id, last\_name, salary**

**FROM employees**

**WHERE department\_id IN (SELECT department\_id**

**FROM employees**

**WHERE last\_name like '%u%')**

**AND salary > (SELECT AVG(salary)**

**FROM employees);**