EXERCISE: 9

SUB QUERIES

```
mysql> SELECT department_id, last_name, job_id
    -> FROM employees
    -> WHERE department_id = (SELECT department_id
    ->                        FROM departments
    ->                        WHERE department_name = 'Executive');
+---------------+-----------+---------+
| department_id | last_name | job_id  |
+---------------+-----------+---------+
|            90 | King      | AD_PRES |
|            90 | Kochhar   | AD_VP   |
|            90 | De Haan   | AD_VP   |
+---------------+-----------+---------+
```

```
mysql> 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     |
+-----------+---------------+------------+
| King      |            90 | AD_PRES    |
| Kochhar   |            90 | AD_VP      |
| De Haan   |            90 | AD_VP      |
| Higgins   |           110 | AC_ACCOUNT |
+-----------+---------------+------------+
```

```
mysql> SELECT last_name, salary
    -> FROM employees
    -> WHERE manager_id = (SELECT employee_id
    ->                     FROM employees
    ->                     WHERE last_name = 'King');
+-----------+----------+
| last_name | salary   |
+-----------+----------+
| Kochhar   | 17000.00 |
| De Haan   | 17000.00 |
| Higgins   |  9000.00 |
+-----------+----------+
```

```
mysql> SELECT employee_id, last_name
    -> FROM employees
    -> WHERE department_id IN (SELECT department_id
    ->                                 FROM employees
    ->                                 WHERE last_name LIKE '%u%');
+-------------+-----------+
| employee_id | last_name |
+-------------+-----------+
|           4 | Hunold    |
|           5 | Ernst     |
|           6 | Lorentz   |
+-------------+-----------+
```

```
mysql> SELECT employee_id, last_name, salary
    -> FROM employees
    -> WHERE salary > (SELECT AVG(salary) FROM employees)
    -> ORDER BY salary ASC;
+-------------+-----------+----------+
| employee_id | last_name | salary   |
+-------------+-----------+----------+
|           2 | Kochhar   | 17000.00 |
|           3 | De Haan   | 17000.00 |
|           1 | King      | 24000.00 |
+-------------+-----------+----------+
```

```
mysql> SELECT last_name, hire_date
    -> FROM employees
    -> WHERE department_id = (SELECT department_id
    ->                                 FROM employees
    ->                                 WHERE last_name = 'Zlotkey')
    ->    AND last_name <> 'Zlotkey';
+-----------+------------+
| last_name | hire_date  |
+-----------+------------+
| Abel      | 2004-05-11 |
| Haas      | 2005-06-09 |
+-----------+------------+
2 rows in set (0.01 sec)
```

```
mysql> SELECT employee_id, last_name, salary
    -> FROM employees
    -> WHERE salary > (SELECT AVG(salary) FROM employees)
    ->   AND department_id IN (SELECT department_id
    ->                                FROM employees
    ->                                WHERE last_name LIKE '%u%');
Empty set (0.00 sec)
```