

```
MySQL 8.0 Command Line Cl...
-> (7, 'Davis', '2021-07-01', 75000.00, 2, 3),
-> (8, 'Garcia', '2021-08-01', 62000.00, 1, 1),
-> (9, 'Miller', '2021-09-01', 72000.00, 2, 3);
Query OK, 9 rows affected (0.00 sec)
Records: 9 Duplicates: 0 Warnings: 0

mysql> SELECT e.last_name, e.hire_date
-> FROM employees e
-> JOIN employees target ON e.department_id = target.department_id
-> WHERE target.last_name = 'Zlotkey' AND e.last_name != 'Zlotkey';
+-----+-----+
| last_name | hire_date |
+-----+-----+
| Anderson | 2021-04-01 |
| Davis    | 2021-07-01 |
| Miller   | 2021-09-01 |
+-----+-----+
3 rows in set (0.00 sec)

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 |
+-----+-----+-----+
| 7           | Davis    | 75000.00 |
| 3           | Zlotkey  | 80000.00 |
| 4           | Anderson | 90000.00 |
| 5           | King     | 100000.00 |
+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> SELECT DISTINCT e.employee_id, e.last_name
-> FROM employees e
-> JOIN employees sub ON e.department_id = sub.department_id
-> WHERE sub.last_name LIKE '%u%';
Empty set (0.00 sec)

mysql> SELECT e.last_name, e.department_id, e.job_id
-> FROM employees e

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mysql> SELECT e.last_name, e.department_id, e.job_id
-> FROM employees e
-> JOIN departments d ON e.department_id = d.department_id
-> WHERE d.location_id = 1700;
+-----+-----+-----+
| last_name | department_id | job_id |
+-----+-----+-----+
| Smith    | 1             | NULL   |
| Johnson  | 1             | NULL   |
| Brown    | 1             | NULL   |
| Garcia   | 1             | NULL   |
+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> SELECT e.last_name, e.salary
-> FROM employees e
-> JOIN employees m ON e.manager_id = m.employee_id
-> WHERE m.last_name = 'King';
Empty set (0.00 sec)

mysql> SELECT * FROM employees WHERE manager_id = 5;
Empty set (0.00 sec)

mysql> UPDATE employees SET manager_id = 5 WHERE employee_id IN (6, 7); -- For Brown and Davis, for example
Query OK, 2 rows affected (0.01 sec)
Rows matched: 2 Changed: 2 Warnings: 0

mysql> SELECT e.last_name, e.salary
-> FROM employees e
-> JOIN employees m ON e.manager_id = m.employee_id
-> WHERE m.last_name = 'King';
+-----+-----+
| last_name | salary |
+-----+-----+
| Brown    | 55000.00 |
| Davis    | 75000.00 |
+-----+-----+
2 rows in set (0.00 sec)

mysql> SELECT e.department_id, e.last_name, e.job_id
-> FROM employees e
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+-----+-----+
2 rows in set (0.00 sec)

mysql> SELECT e.department_id, e.last_name, e.job_id
-> FROM employees e
-> JOIN departments d ON e.department_id = d.department_id
-> WHERE d.department_name = 'Executive';
+-----+-----+
| department_id | last_name | job_id |
+-----+-----+
| 3 | King | NULL |
+-----+-----+
1 row in set (0.00 sec)

mysql> SELECT e.employee_id, e.last_name, e.salary
-> FROM employees e
-> JOIN employees sub ON e.department_id = sub.department_id
-> WHERE sub.last_name LIKE '%u%'
-> AND e.salary > (SELECT AVG(salary) FROM employees);
Empty set (0.00 sec)

mysql> SELECT * FROM employees WHERE last_name LIKE '%u%';
Empty set (0.00 sec)

mysql> SELECT * FROM employees WHERE department_id = 2;
+-----+-----+-----+-----+-----+-----+-----+
| employee_id | last_name | hire_date | salary | department_id | manager_id | job_id |
+-----+-----+-----+-----+-----+-----+-----+
| 3 | Zlotkey | 2021-03-01 | 80000.00 | 2 | 1 | NULL |
| 4 | Anderson | 2021-04-01 | 90000.00 | 2 | 1 | NULL |
| 7 | Davis | 2021-07-01 | 75000.00 | 2 | 5 | NULL |
| 9 | Miller | 2021-09-01 | 72000.00 | 2 | 3 | NULL |
+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql>
```