

```
MySQL 8.0 Command Line Cli  x  +  v

mysql> SELECT department_id
-> FROM departments
-> WHERE department_id NOT IN (
->   SELECT department_id
->   FROM employees
->   WHERE job_id = 'ST_CLERK'
-> );
+-----+
| department_id |
+-----+
|          10   |
|          50   |
+-----+
2 rows in set (0.00 sec)

mysql> SELECT country_id, country_name
-> FROM countries
-> WHERE country_id NOT IN (
->   SELECT DISTINCT country_id
->   FROM departments
-> );
+-----+-----+
| country_id | country_name |
+-----+-----+
|          UK | United Kingdom |
+-----+-----+
1 row in set (0.00 sec)

mysql> SELECT job_id, department_id
-> FROM employees
-> WHERE department_id IN (10, 50, 20)
-> ORDER BY department_id;
+-----+-----+
| job_id | department_id |
+-----+-----+
| IT_PROG |          10   |
| ST_CLERK |          20   |
| SA_REP  |          50   |
+-----+-----+
3 rows in set (0.00 sec)

MySQL 8.0 Command Line Cli  x  +  v

mysql> SELECT job_id, department_id
-> FROM employees
-> WHERE department_id IN (10, 50, 20)
-> ORDER BY department_id;
+-----+-----+
| job_id | department_id |
+-----+-----+
| IT_PROG |          10   |
| ST_CLERK |          20   |
| SA_REP  |          50   |
+-----+-----+
3 rows in set (0.00 sec)

mysql> SELECT employee_id, job_id
-> FROM employees
-> WHERE (employee_id, job_id) IN (
->   SELECT employee_id, job_id
->   FROM job_history
-> );
+-----+-----+
| employee_id | job_id |
+-----+-----+
|          100 | SA_REP |
|          102 | IT_PROG |
+-----+-----+
2 rows in set (0.00 sec)

mysql> SELECT e.last_name, e.department_id
-> FROM employees e
-> UNION
-> SELECT d.department_id, d.department_name
-> FROM departments d;
ERROR 1054 (42S22): Unknown column 'e.last_name' in 'field list'
mysql> ALTER TABLE employees ADD COLUMN last_name VARCHAR(50);
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> -- Clear existing data (optional, if you want to start fresh)
mysql> DELETE FROM employees;
Query OK, 3 rows affected (0.01 sec)
```

```
MySQL 8.0 Command Line Cli  x  +  v
mysql> DELETE FROM employees;
Query OK, 3 rows affected (0.01 sec)

mysql>
mysql> -- Insert updated sample data into employees with last_name
mysql> INSERT INTO employees (employee_id, last_name, job_id, department_id) VALUES
-> (100, 'Smith', 'SA_REP', 50),
-> (101, 'Johnson', 'ST_CLERK', 20),
-> (102, 'Zlotkey', 'IT_PROG', 10);
Query OK, 3 rows affected (0.00 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> SELECT e.last_name, e.department_id
-> FROM employees e
-> UNION
-> SELECT d.department_id, d.department_name
-> FROM departments d;
+-----+-----+
| last_name | department_id |
+-----+-----+
| Smith     | 50             |
| Johnson   | 20             |
| Zlotkey    | 10             |
| Admin     | 10             |
| HR        | 20             |
| Sales     | 50             |
+-----+-----+
6 rows in set (0.00 sec)

mysql> |
```

86°F
Partly cloudy

Search

ENG
IN

21:47
02-10-2024