C:\Users\Lenovo>mysql -u root -p

Enter password: \*\*\*\*\*\*

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 36

Server version: 8.0.12 MySQL Community Server - GPL

Copyright (c) 2000, 2018, Oracle and/or its affiliates. All rights reserved.

Oracle is a registered trademark of Oracle Corporation and/or its

affiliates. Other names may be trademarks of their respective

owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;

+--------------------+

| Database |

+--------------------+

| ;' |

| information\_schema |

| jilong |

| jilong3 |

| mysql |

| new\_schema |

| performance\_schema |

| stard |

| sys |

| trade |

+--------------------+

10 rows in set (0.00 sec)

mysql> use trade;

Database changed

mysql> select \* from job\_history;

+-------------+------------+------------+------------+---------------+

| EMPLOYEE\_ID | START\_DATE | END\_DATE | JOB\_ID | DEPARTMENT\_ID |

+-------------+------------+------------+------------+---------------+

| 102 | 2001/1/13 | 2006/7/24 | IT\_PROG | 60 |

| 101 | 1997/9/21 | 2001/10/27 | AC\_ACCOUNT | 110 |

| 101 | 2001/10/28 | 2005/3/15 | AC\_MGR | 110 |

| 201 | 2004/2/17 | 2007/12/19 | MK\_REP | 20 |

| 114 | 2006/3/24 | 2007/12/31 | ST\_CLERK | 50 |

| 122 | 2007/1/1 | 2007/12/31 | ST\_CLERK | 50 |

| 200 | 1995/9/17 | 2001/6/17 | AD\_ASST | 90 |

| 176 | 2006/3/24 | 2006/12/31 | SA\_REP | 80 |

| 176 | 2007/1/1 | 2007/12/31 | SA\_MAN | 80 |

| 200 | 2002/7/1 | 2006/12/31 | AC\_ACCOUNT | 90 |

+-------------+------------+------------+------------+---------------+

10 rows in set (0.00 sec)

mysql> select distinct employee\_id from job\_history;

+-------------+

| employee\_id |

+-------------+

| 102 |

| 101 |

| 201 |

| 114 |

| 122 |

| 200 |

| 176 |

+-------------+

7 rows in set (0.00 sec)

mysql> select \* from job\_history where employee\_id>200;

+-------------+------------+------------+--------+---------------+

| EMPLOYEE\_ID | START\_DATE | END\_DATE | JOB\_ID | DEPARTMENT\_ID |

+-------------+------------+------------+--------+---------------+

| 201 | 2004/2/17 | 2007/12/19 | MK\_REP | 20 |

+-------------+------------+------------+--------+---------------+

1 row in set (0.00 sec)

mysql> select \* from job\_history where employee\_id=200;

+-------------+------------+------------+------------+---------------+

| EMPLOYEE\_ID | START\_DATE | END\_DATE | JOB\_ID | DEPARTMENT\_ID |

+-------------+------------+------------+------------+---------------+

| 200 | 1995/9/17 | 2001/6/17 | AD\_ASST | 90 |

| 200 | 2002/7/1 | 2006/12/31 | AC\_ACCOUNT | 90 |

+-------------+------------+------------+------------+---------------+

2 rows in set (0.00 sec)

mysql> select \* from job\_history order by employee\_id;

+-------------+------------+------------+------------+---------------+

| EMPLOYEE\_ID | START\_DATE | END\_DATE | JOB\_ID | DEPARTMENT\_ID |

+-------------+------------+------------+------------+---------------+

| 101 | 1997/9/21 | 2001/10/27 | AC\_ACCOUNT | 110 |

| 101 | 2001/10/28 | 2005/3/15 | AC\_MGR | 110 |

| 102 | 2001/1/13 | 2006/7/24 | IT\_PROG | 60 |

| 114 | 2006/3/24 | 2007/12/31 | ST\_CLERK | 50 |

| 122 | 2007/1/1 | 2007/12/31 | ST\_CLERK | 50 |

| 176 | 2006/3/24 | 2006/12/31 | SA\_REP | 80 |

| 176 | 2007/1/1 | 2007/12/31 | SA\_MAN | 80 |

| 200 | 1995/9/17 | 2001/6/17 | AD\_ASST | 90 |

| 200 | 2002/7/1 | 2006/12/31 | AC\_ACCOUNT | 90 |

| 201 | 2004/2/17 | 2007/12/19 | MK\_REP | 20 |

+-------------+------------+------------+------------+---------------+

10 rows in set (0.00 sec)

mysql> select \* from job\_history order by employee\_id desc;

+-------------+------------+------------+------------+---------------+

| EMPLOYEE\_ID | START\_DATE | END\_DATE | JOB\_ID | DEPARTMENT\_ID |

+-------------+------------+------------+------------+---------------+

| 201 | 2004/2/17 | 2007/12/19 | MK\_REP | 20 |

| 200 | 1995/9/17 | 2001/6/17 | AD\_ASST | 90 |

| 200 | 2002/7/1 | 2006/12/31 | AC\_ACCOUNT | 90 |

| 176 | 2006/3/24 | 2006/12/31 | SA\_REP | 80 |

| 176 | 2007/1/1 | 2007/12/31 | SA\_MAN | 80 |

| 122 | 2007/1/1 | 2007/12/31 | ST\_CLERK | 50 |

| 114 | 2006/3/24 | 2007/12/31 | ST\_CLERK | 50 |

| 102 | 2001/1/13 | 2006/7/24 | IT\_PROG | 60 |

| 101 | 1997/9/21 | 2001/10/27 | AC\_ACCOUNT | 110 |

| 101 | 2001/10/28 | 2005/3/15 | AC\_MGR | 110 |

+-------------+------------+------------+------------+---------------+

10 rows in set (0.00 sec)

mysql> select \* from job\_history order by employee\_id limit 3,2;

+-------------+------------+------------+----------+---------------+

| EMPLOYEE\_ID | START\_DATE | END\_DATE | JOB\_ID | DEPARTMENT\_ID |

+-------------+------------+------------+----------+---------------+

| 114 | 2006/3/24 | 2007/12/31 | ST\_CLERK | 50 |

| 122 | 2007/1/1 | 2007/12/31 | ST\_CLERK | 50 |

+-------------+------------+------------+----------+---------------+

2 rows in set (0.00 sec)

mysql> select sum(employee\_id) from job\_history;

+------------------+

| sum(employee\_id) |

+------------------+

| 1493 |

+------------------+

1 row in set (0.00 sec)

mysql> select count(\*) from job\_history;

+----------+

| count(\*) |

+----------+

| 10 |

+----------+

1 row in set (0.00 sec)

mysql> select employee\_id,count(employee\_id) from job\_history group by employee\_id;

+-------------+--------------------+

| employee\_id | count(employee\_id) |

+-------------+--------------------+

| 102 | 1 |

| 101 | 2 |

| 201 | 1 |

| 114 | 1 |

| 122 | 1 |

| 200 | 2 |

| 176 | 2 |

+-------------+--------------------+

7 rows in set (0.00 sec)

mysql> select sum(employee\_id) from job\_history where employee\_id>150;

+------------------+

| sum(employee\_id) |

+------------------+

| 953 |

+------------------+

1 row in set (0.00 sec)

mysql> select sum(employee\_id) from job\_history where employee\_id>150 group by employee\_id;

+------------------+

| sum(employee\_id) |

+------------------+

| 201 |

| 400 |

| 352 |

+------------------+

3 rows in set (0.00 sec)

mysql> select employee\_id,sum(employee\_id) from job\_history where employee\_id>150 group by employee\_id;

+-------------+------------------+

| employee\_id | sum(employee\_id) |

+-------------+------------------+

| 201 | 201 |

| 200 | 400 |

| 176 | 352 |

+-------------+------------------+

3 rows in set (0.00 sec)

mysql> select \* from departments;

+---------------+----------------------+------------+-------------+

| DEPARTMENT\_ID | DEPARTMENT\_NAME | MANAGER\_ID | LOCATION\_ID |

+---------------+----------------------+------------+-------------+

| 10 | Administration | 200 | 1700 |

| 20 | Marketing | 201 | 1800 |

| 30 | Purchasing | 114 | 1700 |

| 40 | Human Resources | 203 | 2400 |

| 50 | Shipping | 121 | 1500 |

| 60 | IT | 103 | 1400 |

| 70 | Public Relations | 204 | 2700 |

| 80 | Sales | 145 | 2500 |

| 90 | Executive | 100 | 1700 |

| 100 | Finance | 108 | 1700 |

| 110 | Accounting | 205 | 1700 |

| 120 | Treasury | | 1700 |

| 130 | Corporate Tax | | 1700 |

| 140 | Control And Credit | | 1700 |

| 150 | Shareholder Services | | 1700 |

| 160 | Benefits | | 1700 |

| 170 | Manufacturing | | 1700 |

| 180 | Construction | | 1700 |

| 190 | Contracting | | 1700 |

| 200 | Operations | | 1700 |

| 210 | IT Support | | 1700 |

| 220 | NOC | | 1700 |

| 230 | IT Helpdesk | | 1700 |

| 240 | Government Sales | | 1700 |

| 250 | Retail Sales | | 1700 |

| 260 | Recruiting | | 1700 |

| 270 | Payroll | | 1700 |

+---------------+----------------------+------------+-------------+

27 rows in set (0.00 sec)

mysql> select \* from job\_history;

+-------------+------------+------------+------------+---------------+

| EMPLOYEE\_ID | START\_DATE | END\_DATE | JOB\_ID | DEPARTMENT\_ID |

+-------------+------------+------------+------------+---------------+

| 102 | 2001/1/13 | 2006/7/24 | IT\_PROG | 60 |

| 101 | 1997/9/21 | 2001/10/27 | AC\_ACCOUNT | 110 |

| 101 | 2001/10/28 | 2005/3/15 | AC\_MGR | 110 |

| 201 | 2004/2/17 | 2007/12/19 | MK\_REP | 20 |

| 114 | 2006/3/24 | 2007/12/31 | ST\_CLERK | 50 |

| 122 | 2007/1/1 | 2007/12/31 | ST\_CLERK | 50 |

| 200 | 1995/9/17 | 2001/6/17 | AD\_ASST | 90 |

| 176 | 2006/3/24 | 2006/12/31 | SA\_REP | 80 |

| 176 | 2007/1/1 | 2007/12/31 | SA\_MAN | 80 |

| 200 | 2002/7/1 | 2006/12/31 | AC\_ACCOUNT | 90 |

+-------------+------------+------------+------------+---------------+

10 rows in set (0.00 sec)

mysql> select \* from job\_history,departments where job\_history.department\_id=departments.department\_id;

+-------------+------------+------------+------------+---------------+---------------+-----------------+------------+-------------+

| EMPLOYEE\_ID | START\_DATE | END\_DATE | JOB\_ID | DEPARTMENT\_ID | DEPARTMENT\_ID | DEPARTMENT\_NAME | MANAGER\_ID | LOCATION\_ID |

+-------------+------------+------------+------------+---------------+---------------+-----------------+------------+-------------+

| 102 | 2001/1/13 | 2006/7/24 | IT\_PROG | 60 | 60 | IT | 103 | 1400 |

| 101 | 1997/9/21 | 2001/10/27 | AC\_ACCOUNT | 110 | 110 | Accounting | 205 | 1700 |

| 101 | 2001/10/28 | 2005/3/15 | AC\_MGR | 110 | 110 | Accounting | 205 | 1700 |

| 201 | 2004/2/17 | 2007/12/19 | MK\_REP | 20 | 20 | Marketing | 201 | 1800 |

| 114 | 2006/3/24 | 2007/12/31 | ST\_CLERK | 50 | 50 | Shipping | 121 | 1500 |

| 122 | 2007/1/1 | 2007/12/31 | ST\_CLERK | 50 | 50 | Shipping | 121 | 1500 |

| 200 | 1995/9/17 | 2001/6/17 | AD\_ASST | 90 | 90 | Executive | 100 | 1700 |

| 176 | 2006/3/24 | 2006/12/31 | SA\_REP | 80 | 80 | Sales | 145 | 2500 |

| 176 | 2007/1/1 | 2007/12/31 | SA\_MAN | 80 | 80 | Sales | 145 | 2500 |

| 200 | 2002/7/1 | 2006/12/31 | AC\_ACCOUNT | 90 | 90 | Executive | 100 | 1700 |

+-------------+------------+------------+------------+---------------+---------------+-----------------+------------+-------------+

10 rows in set (0.00 sec)

mysql> select \* from job\_history left join departments on job\_history.department\_id=departments.department\_id;

+-------------+------------+------------+------------+---------------+---------------+-----------------+------------+-------------+

| EMPLOYEE\_ID | START\_DATE | END\_DATE | JOB\_ID | DEPARTMENT\_ID | DEPARTMENT\_ID | DEPARTMENT\_NAME | MANAGER\_ID | LOCATION\_ID |

+-------------+------------+------------+------------+---------------+---------------+-----------------+------------+-------------+

| 102 | 2001/1/13 | 2006/7/24 | IT\_PROG | 60 | 60 | IT | 103 | 1400 |

| 101 | 1997/9/21 | 2001/10/27 | AC\_ACCOUNT | 110 | 110 | Accounting | 205 | 1700 |

| 101 | 2001/10/28 | 2005/3/15 | AC\_MGR | 110 | 110 | Accounting | 205 | 1700 |

| 201 | 2004/2/17 | 2007/12/19 | MK\_REP | 20 | 20 | Marketing | 201 | 1800 |

| 114 | 2006/3/24 | 2007/12/31 | ST\_CLERK | 50 | 50 | Shipping | 121 | 1500 |

| 122 | 2007/1/1 | 2007/12/31 | ST\_CLERK | 50 | 50 | Shipping | 121 | 1500 |

| 200 | 1995/9/17 | 2001/6/17 | AD\_ASST | 90 | 90 | Executive | 100 | 1700 |

| 176 | 2006/3/24 | 2006/12/31 | SA\_REP | 80 | 80 | Sales | 145 | 2500 |

| 176 | 2007/1/1 | 2007/12/31 | SA\_MAN | 80 | 80 | Sales | 145 | 2500 |

| 200 | 2002/7/1 | 2006/12/31 | AC\_ACCOUNT | 90 | 90 | Executive | 100 | 1700 |

+-------------+------------+------------+------------+---------------+---------------+-----------------+------------+-------------+

10 rows in set (0.00 sec)

mysql> select \* from job\_history right join departments on job\_history.department\_id=departments.department\_id;

+-------------+------------+------------+------------+---------------+---------------+----------------------+------------+-------------+

| EMPLOYEE\_ID | START\_DATE | END\_DATE | JOB\_ID | DEPARTMENT\_ID | DEPARTMENT\_ID | DEPARTMENT\_NAME | MANAGER\_ID | LOCATION\_ID |

+-------------+------------+------------+------------+---------------+---------------+----------------------+------------+-------------+

| 102 | 2001/1/13 | 2006/7/24 | IT\_PROG | 60 | 60 | IT | 103 | 1400 |

| 101 | 1997/9/21 | 2001/10/27 | AC\_ACCOUNT | 110 | 110 | Accounting | 205 | 1700 |

| 101 | 2001/10/28 | 2005/3/15 | AC\_MGR | 110 | 110 | Accounting | 205 | 1700 |

| 201 | 2004/2/17 | 2007/12/19 | MK\_REP | 20 | 20 | Marketing | 201 | 1800 |

| 114 | 2006/3/24 | 2007/12/31 | ST\_CLERK | 50 | 50 | Shipping | 121 | 1500 |

| 122 | 2007/1/1 | 2007/12/31 | ST\_CLERK | 50 | 50 | Shipping | 121 | 1500 |

| 200 | 1995/9/17 | 2001/6/17 | AD\_ASST | 90 | 90 | Executive | 100 | 1700 |

| 176 | 2006/3/24 | 2006/12/31 | SA\_REP | 80 | 80 | Sales | 145 | 2500 |

| 176 | 2007/1/1 | 2007/12/31 | SA\_MAN | 80 | 80 | Sales | 145 | 2500 |

| 200 | 2002/7/1 | 2006/12/31 | AC\_ACCOUNT | 90 | 90 | Executive | 100 | 1700 |

| NULL | NULL | NULL | NULL | NULL | 10 | Administration | 200 | 1700 |

| NULL | NULL | NULL | NULL | NULL | 30 | Purchasing | 114 | 1700 |

| NULL | NULL | NULL | NULL | NULL | 40 | Human Resources | 203 | 2400 |

| NULL | NULL | NULL | NULL | NULL | 70 | Public Relations | 204 | 2700 |

| NULL | NULL | NULL | NULL | NULL | 100 | Finance | 108 | 1700 |

| NULL | NULL | NULL | NULL | NULL | 120 | Treasury | | 1700 |

| NULL | NULL | NULL | NULL | NULL | 130 | Corporate Tax | | 1700 |

| NULL | NULL | NULL | NULL | NULL | 140 | Control And Credit | | 1700 |

| NULL | NULL | NULL | NULL | NULL | 150 | Shareholder Services | | 1700 |

| NULL | NULL | NULL | NULL | NULL | 160 | Benefits | | 1700 |

| NULL | NULL | NULL | NULL | NULL | 170 | Manufacturing | | 1700 |

| NULL | NULL | NULL | NULL | NULL | 180 | Construction | | 1700 |

| NULL | NULL | NULL | NULL | NULL | 190 | Contracting | | 1700 |

| NULL | NULL | NULL | NULL | NULL | 200 | Operations | | 1700 |

| NULL | NULL | NULL | NULL | NULL | 210 | IT Support | | 1700 |

| NULL | NULL | NULL | NULL | NULL | 220 | NOC | | 1700 |

| NULL | NULL | NULL | NULL | NULL | 230 | IT Helpdesk | | 1700 |

| NULL | NULL | NULL | NULL | NULL | 240 | Government Sales | | 1700 |

| NULL | NULL | NULL | NULL | NULL | 250 | Retail Sales | | 1700 |

| NULL | NULL | NULL | NULL | NULL | 260 | Recruiting | | 1700 |

| NULL | NULL | NULL | NULL | NULL | 270 | Payroll | | 1700 |

+-------------+------------+------------+------------+---------------+---------------+----------------------+------------+-------------+

31 rows in set (0.00 sec)

mysql> select \* from departments right join job\_history on job\_history.department\_id=departments.department\_id;

+---------------+-----------------+------------+-------------+-------------+------------+------------+------------+---------------+

| DEPARTMENT\_ID | DEPARTMENT\_NAME | MANAGER\_ID | LOCATION\_ID | EMPLOYEE\_ID | START\_DATE | END\_DATE | JOB\_ID | DEPARTMENT\_ID |

+---------------+-----------------+------------+-------------+-------------+------------+------------+------------+---------------+

| 60 | IT | 103 | 1400 | 102 | 2001/1/13 | 2006/7/24 | IT\_PROG | 60 |

| 110 | Accounting | 205 | 1700 | 101 | 1997/9/21 | 2001/10/27 | AC\_ACCOUNT | 110 |

| 110 | Accounting | 205 | 1700 | 101 | 2001/10/28 | 2005/3/15 | AC\_MGR | 110 |

| 20 | Marketing | 201 | 1800 | 201 | 2004/2/17 | 2007/12/19 | MK\_REP | 20 |

| 50 | Shipping | 121 | 1500 | 114 | 2006/3/24 | 2007/12/31 | ST\_CLERK | 50 |

| 50 | Shipping | 121 | 1500 | 122 | 2007/1/1 | 2007/12/31 | ST\_CLERK | 50 |

| 90 | Executive | 100 | 1700 | 200 | 1995/9/17 | 2001/6/17 | AD\_ASST | 90 |

| 80 | Sales | 145 | 2500 | 176 | 2006/3/24 | 2006/12/31 | SA\_REP | 80 |

| 80 | Sales | 145 | 2500 | 176 | 2007/1/1 | 2007/12/31 | SA\_MAN | 80 |

| 90 | Executive | 100 | 1700 | 200 | 2002/7/1 | 2006/12/31 | AC\_ACCOUNT | 90 |

+---------------+-----------------+------------+-------------+-------------+------------+------------+------------+---------------+

10 rows in set (0.00 sec)

mysql> select \* from departments left join job\_history on job\_history.department\_id=departments.department\_id;

+---------------+----------------------+------------+-------------+-------------+------------+------------+------------+---------------+

| DEPARTMENT\_ID | DEPARTMENT\_NAME | MANAGER\_ID | LOCATION\_ID | EMPLOYEE\_ID | START\_DATE | END\_DATE | JOB\_ID | DEPARTMENT\_ID |

+---------------+----------------------+------------+-------------+-------------+------------+------------+------------+---------------+

| 60 | IT | 103 | 1400 | 102 | 2001/1/13 | 2006/7/24 | IT\_PROG | 60 |

| 110 | Accounting | 205 | 1700 | 101 | 1997/9/21 | 2001/10/27 | AC\_ACCOUNT | 110 |

| 110 | Accounting | 205 | 1700 | 101 | 2001/10/28 | 2005/3/15 | AC\_MGR | 110 |

| 20 | Marketing | 201 | 1800 | 201 | 2004/2/17 | 2007/12/19 | MK\_REP | 20 |

| 50 | Shipping | 121 | 1500 | 114 | 2006/3/24 | 2007/12/31 | ST\_CLERK | 50 |

| 50 | Shipping | 121 | 1500 | 122 | 2007/1/1 | 2007/12/31 | ST\_CLERK | 50 |

| 90 | Executive | 100 | 1700 | 200 | 1995/9/17 | 2001/6/17 | AD\_ASST | 90 |

| 80 | Sales | 145 | 2500 | 176 | 2006/3/24 | 2006/12/31 | SA\_REP | 80 |

| 80 | Sales | 145 | 2500 | 176 | 2007/1/1 | 2007/12/31 | SA\_MAN | 80 |

| 90 | Executive | 100 | 1700 | 200 | 2002/7/1 | 2006/12/31 | AC\_ACCOUNT | 90 |

| 10 | Administration | 200 | 1700 | NULL | NULL | NULL | NULL | NULL |

| 30 | Purchasing | 114 | 1700 | NULL | NULL | NULL | NULL | NULL |

| 40 | Human Resources | 203 | 2400 | NULL | NULL | NULL | NULL | NULL |

| 70 | Public Relations | 204 | 2700 | NULL | NULL | NULL | NULL | NULL |

| 100 | Finance | 108 | 1700 | NULL | NULL | NULL | NULL | NULL |

| 120 | Treasury | | 1700 | NULL | NULL | NULL | NULL | NULL |

| 130 | Corporate Tax | | 1700 | NULL | NULL | NULL | NULL | NULL |

| 140 | Control And Credit | | 1700 | NULL | NULL | NULL | NULL | NULL |

| 150 | Shareholder Services | | 1700 | NULL | NULL | NULL | NULL | NULL |

| 160 | Benefits | | 1700 | NULL | NULL | NULL | NULL | NULL |

| 170 | Manufacturing | | 1700 | NULL | NULL | NULL | NULL | NULL |

| 180 | Construction | | 1700 | NULL | NULL | NULL | NULL | NULL |

| 190 | Contracting | | 1700 | NULL | NULL | NULL | NULL | NULL |

| 200 | Operations | | 1700 | NULL | NULL | NULL | NULL | NULL |

| 210 | IT Support | | 1700 | NULL | NULL | NULL | NULL | NULL |

| 220 | NOC | | 1700 | NULL | NULL | NULL | NULL | NULL |

| 230 | IT Helpdesk | | 1700 | NULL | NULL | NULL | NULL | NULL |

| 240 | Government Sales | | 1700 | NULL | NULL | NULL | NULL | NULL |

| 250 | Retail Sales | | 1700 | NULL | NULL | NULL | NULL | NULL |

| 260 | Recruiting | | 1700 | NULL | NULL | NULL | NULL | NULL |

| 270 | Payroll | | 1700 | NULL | NULL | NULL | NULL | NULL |

+---------------+----------------------+------------+-------------+-------------+------------+------------+------------+---------------+

31 rows in set (0.00 sec)

mysql> select \* from departments where departments.department\_id in(select department\_id from job\_history);

+---------------+-----------------+------------+-------------+

| DEPARTMENT\_ID | DEPARTMENT\_NAME | MANAGER\_ID | LOCATION\_ID |

+---------------+-----------------+------------+-------------+

| 60 | IT | 103 | 1400 |

| 110 | Accounting | 205 | 1700 |

| 20 | Marketing | 201 | 1800 |

| 50 | Shipping | 121 | 1500 |

| 90 | Executive | 100 | 1700 |

| 80 | Sales | 145 | 2500 |

+---------------+-----------------+------------+-------------+

6 rows in set (0.00 sec)

mysql> select \* from departments where exists (select job\_history.department\_id from job\_history where department\_id>150);

Empty set (0.00 sec)

mysql> select \* from departments where exists (select job\_history.department\_id from job\_history where department\_id>10);

+---------------+----------------------+------------+-------------+

| DEPARTMENT\_ID | DEPARTMENT\_NAME | MANAGER\_ID | LOCATION\_ID |

+---------------+----------------------+------------+-------------+

| 10 | Administration | 200 | 1700 |

| 20 | Marketing | 201 | 1800 |

| 30 | Purchasing | 114 | 1700 |

| 40 | Human Resources | 203 | 2400 |

| 50 | Shipping | 121 | 1500 |

| 60 | IT | 103 | 1400 |

| 70 | Public Relations | 204 | 2700 |

| 80 | Sales | 145 | 2500 |

| 90 | Executive | 100 | 1700 |

| 100 | Finance | 108 | 1700 |

| 110 | Accounting | 205 | 1700 |

| 120 | Treasury | | 1700 |

| 130 | Corporate Tax | | 1700 |

| 140 | Control And Credit | | 1700 |

| 150 | Shareholder Services | | 1700 |

| 160 | Benefits | | 1700 |

| 170 | Manufacturing | | 1700 |

| 180 | Construction | | 1700 |

| 190 | Contracting | | 1700 |

| 200 | Operations | | 1700 |

| 210 | IT Support | | 1700 |

| 220 | NOC | | 1700 |

| 230 | IT Helpdesk | | 1700 |

| 240 | Government Sales | | 1700 |

| 250 | Retail Sales | | 1700 |

| 260 | Recruiting | | 1700 |

| 270 | Payroll | | 1700 |

+---------------+----------------------+------------+-------------+

27 rows in set (0.00 sec)

mysql> select department\_id from job\_history union all select department\_id from departments;

+---------------+

| department\_id |

+---------------+

| 60 |

| 110 |

| 110 |

| 20 |

| 50 |

| 50 |

| 90 |

| 80 |

| 80 |

| 90 |

| 10 |

| 20 |

| 30 |

| 40 |

| 50 |

| 60 |

| 70 |

| 80 |

| 90 |

| 100 |

| 110 |

| 120 |

| 130 |

| 140 |

| 150 |

| 160 |

| 170 |

| 180 |

| 190 |

| 200 |

| 210 |

| 220 |

| 230 |

| 240 |

| 250 |

| 260 |

| 270 |

+---------------+

37 rows in set (0.00 sec)

