Setting environment for using XAMPP for Windows.

730546@128-IMAC26 c:\xampp

# ./mysql -u root -p csd2204w18 < c:/xampp/db.sql

'.' is not recognized as an internal or external command,

operable program or batch file.

730546@128-IMAC26 c:\xampp

# mysql -u root -p csd2204w18 < c:/xampp/db.sql

Enter password:

ERROR 1049 (42000): Unknown database 'csd2204w18'

730546@128-IMAC26 c:\xampp

# mysql -u root -p csd2204w18 < c:/xampp/db.sql

Enter password:

ERROR 1049 (42000): Unknown database 'csd2204w18'

730546@128-IMAC26 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 4

Server version: 10.1.21-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2016, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> create database csd2204w18;

Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> exit;

Bye

730546@128-IMAC26 c:\xampp

# mysql -u root -p csd2204w18 < c:/xampp/db.sql

Enter password:

730546@128-IMAC26 c:\xampp

# mysql -u root -p;

ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)

730546@128-IMAC26 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 7

Server version: 10.1.21-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2016, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> show databases;

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

| Database |

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

| csd2204w18 |

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| test |

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

6 rows in set (0.01 sec)

MariaDB [(none)]> use csd2204w18;

Database changed

MariaDB [csd2204w18]> show tables;

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

| Tables\_in\_csd2204w18 |

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

| countries |

| departments |

| employees |

| job\_history |

| jobs |

| locations |

| regions |

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

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from jobs;

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

| JOB\_ID | JOB\_TITLE | MIN\_SALARY | MAX\_SALARY |

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

| AD\_PRES | President | 20000 | 40000 |

| AD\_VP | Administration Vice President | 15000 | 30000 |

| AD\_ASST | Administration Assistant | 3000 | 6000 |

| FI\_MGR | Finance Manager | 8200 | 16000 |

| FI\_ACCOUNT | Accountant | 4200 | 9000 |

| AC\_MGR | Accounting Manager | 8200 | 16000 |

| AC\_ACCOUNT | Public Accountant | 4200 | 9000 |

| SA\_MAN | Sales Manager | 10000 | 20000 |

| SA\_REP | Sales Representative | 6000 | 12000 |

| PU\_MAN | Purchasing Manager | 8000 | 15000 |

| PU\_CLERK | Purchasing Clerk | 2500 | 5500 |

| ST\_MAN | Stock Manager | 5500 | 8500 |

| ST\_CLERK | Stock Clerk | 2000 | 5000 |

| SH\_CLERK | Shipping Clerk | 2500 | 5500 |

| IT\_PROG | Programmer | 4000 | 10000 |

| MK\_MAN | Marketing Manager | 9000 | 15000 |

| MK\_REP | Marketing Representative | 4000 | 9000 |

| HR\_REP | Human Resources Representative | 4000 | 9000 |

| PR\_REP | Public Relations Representative | 4500 | 10500 |

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

19 rows in set (0.00 sec)

MariaDB [csd2204w18]> set @n1=10;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> select @n1;

+------+

| @n1 |

+------+

| 10 |

+------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> CREATE TABLE manu(

-> -> Code INTEGER(3) AUTO\_INCREMENT ,

-> -> Name VARCHAR(50) NOT NULL,

-> -> CONSTRAINT PK\_MANU PRIMARY KEY (CODE)

-> -> );

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '-> Code INTEGER(3) AUTO\_INCREMENT ,

-> Name VARCHAR(50) NOT NULL,

-> CON' at line 2

MariaDB [csd2204w18]> Bye

730546@128-IMAC26 c:\xampp

# mysql -u root -p;

ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)

730546@128-IMAC26 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 9

Server version: 10.1.21-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2016, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> use csd2204w18;

Database changed

MariaDB [csd2204w18]> CREATE TABLE manu(

-> Code INTEGER(3) AUTO\_INCREMENT ,

-> Name VARCHAR(50) NOT NULL,

-> CONSTRAINT PK\_MANU PRIMARY KEY (CODE)

-> );

Query OK, 0 rows affected (0.83 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> INSERT INTO manu(Name) VALUES('Sony');

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> INSERT INTO manu(Name) VALUES('Creative Labs');

Query OK, 1 row affected (0.14 sec)

MariaDB [csd2204w18]> INSERT INTO manu(Name) VALUES('Hewlett-Packard');

Query OK, 1 row affected (0.09 sec)

MariaDB [csd2204w18]> INSERT INTO manu(Name) VALUES('Iomega');

Query OK, 1 row affected (0.14 sec)

MariaDB [csd2204w18]> INSERT INTO manu(Name) VALUES('Fujitsu');

Query OK, 1 row affected (0.09 sec)

MariaDB [csd2204w18]> INSERT INTO manu(Name) VALUES('Winchester');

Query OK, 1 row affected (0.09 sec)

MariaDB [csd2204w18]> INSERT INTO manu(Name) VALUES('moxDroid Labs Inc');

Query OK, 1 row affected (0.08 sec)

MariaDB [csd2204w18]> INSERT INTO manu(Name) VALUES("Dell");

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> INSERT INTO manu(Name) VALUES("Bell Labs");

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> CREATE TABLE Products (

-> Code INTEGER(3) AUTO\_INCREMENT,

-> Name VARCHAR(255) NOT NULL ,

-> Price DECIMAL NOT NULL ,

-> Manufacturer INTEGER(3),

-> CONSTRAINT PK\_PRODUCTS PRIMARY KEY (Code),

-> CONSTRAINT FK\_PRODUCTS FOREIGN KEY (Manufacturer) REFERENCES manu(Code)

-> );

Query OK, 0 rows affected (0.74 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Hard drive',240,5);

Query OK, 1 row affected (0.08 sec)

MariaDB [csd2204w18]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Memory',120,6);

Query OK, 1 row affected (0.11 sec)

MariaDB [csd2204w18]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('ZIP drive',150,4);

Query OK, 1 row affected (0.08 sec)

MariaDB [csd2204w18]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Floppy disk',5,6);

Query OK, 1 row affected (0.09 sec)

MariaDB [csd2204w18]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Monitor',240,1);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('DVD drive',180,2);

Query OK, 1 row affected (0.09 sec)

MariaDB [csd2204w18]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('CD drive',90,2);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Printer',270,3);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Toner cartridge',66,3);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('DVD burner',180,2);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Printer',40.00,7);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Toner cartridge',54.00,7);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('DVD burner',78.00,7);

Query OK, 1 row affected (0.16 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> select price from products where nam like 'memory' into @mprice;

ERROR 1054 (42S22): Unknown column 'nam' in 'where clause'

MariaDB [csd2204w18]> select price from products where name like 'memory' into @mprice;

Query OK, 1 row affected (0.00 sec)

MariaDB [csd2204w18]> select @mprice;

+---------+

| @mprice |

+---------+

| 120 |

+---------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select @mprice=price from products where name like 'memory';

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

| @mprice=price |

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

| 1 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select @n1;

+------+

| @n1 |

+------+

| NULL |

+------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select @mprice;

+---------+

| @mprice |

+---------+

| 120 |

+---------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> set @n1=17;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> select @n1;

+------+

| @n1 |

+------+

| 17 |

+------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select @mprice;

+---------+

| @mprice |

+---------+

| 120 |

+---------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select @n1;

+------+

| @n1 |

+------+

| 17 |

+------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> show tables;

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

| Tables\_in\_csd2204w18 |

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

| countries |

| departments |

| employees |

| job\_history |

| jobs |

| locations |

| manu |

| products |

| regions |

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

9 rows in set (0.00 sec)

MariaDB [csd2204w18]> CREATE TABLE animals (

-> id MEDIUMINT NOT NULL AUTO\_INCREMENT,

-> name CHAR(30) NOT NULL,

-> CONSTRAINT PK\_animals PRIMARY KEY (id)

-> );

Query OK, 0 rows affected (0.30 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> INSERT INTO animals (name) VALUES

-> ('dog'),('cat'),('penguin'),

-> ('lax'),('whale'),('ostrich');

Query OK, 6 rows affected (0.03 sec)

Records: 6 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> SELECT \* FROM animals;

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

| id | name |

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

| 1 | dog |

| 2 | cat |

| 3 | penguin |

| 4 | lax |

| 5 | whale |

| 6 | ostrich |

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

6 rows in set (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> CREATE TABLE pet (

-> name VARCHAR(20),

-> owner VARCHAR(20),

-> species VARCHAR(20),

-> sex CHAR(1),

-> birth DATE,

-> death DATE);

Query OK, 0 rows affected (0.25 sec)

MariaDB [csd2204w18]> show tables;

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

| Tables\_in\_csd2204w18 |

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

| animals |

| countries |

| departments |

| employees |

| job\_history |

| jobs |

| locations |

| manu |

| pet |

| products |

| regions |

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

11 rows in set (0.00 sec)

MariaDB [csd2204w18]> insert into animals(name) values('kangaroo');

Query OK, 1 row affected (0.03 sec)

MariaDB [csd2204w18]> select \* from animals;

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

| id | name |

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

| 1 | dog |

| 2 | cat |

| 3 | penguin |

| 4 | lax |

| 5 | whale |

| 6 | ostrich |

| 7 | kangaroo |

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

7 rows in set (0.00 sec)

MariaDB [csd2204w18]> insert into animals(id,name) values(10 ,'kangaroo');

Query OK, 1 row affected (0.09 sec)

MariaDB [csd2204w18]> select \* from animals;

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

| id | name |

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

| 1 | dog |

| 2 | cat |

| 3 | penguin |

| 4 | lax |

| 5 | whale |

| 6 | ostrich |

| 7 | kangaroo |

| 10 | kangaroo |

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

8 rows in set (0.00 sec)

MariaDB [csd2204w18]> update animals set name='panda' where id=10;

Query OK, 1 row affected (0.09 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [csd2204w18]> insert into animals(name) values('tiger');

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18]> select \* from animals;

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

| id | name |

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

| 1 | dog |

| 2 | cat |

| 3 | penguin |

| 4 | lax |

| 5 | whale |

| 6 | ostrich |

| 7 | kangaroo |

| 10 | panda |

| 11 | tiger |

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

9 rows in set (0.00 sec)

MariaDB [csd2204w18]> select last\_insert\_id();

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

| last\_insert\_id() |

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

| 11 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> insert into animals(name) values('owl');

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18]> select \* from animals;

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

| id | name |

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

| 1 | dog |

| 2 | cat |

| 3 | penguin |

| 4 | lax |

| 5 | whale |

| 6 | ostrich |

| 7 | kangaroo |

| 10 | panda |

| 11 | tiger |

| 12 | owl |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select last\_insert\_id();

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

| last\_insert\_id() |

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

| 12 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select name,price from products where name='monitor' into outfile 'c:/xampp/result.txt';

Query OK, 1 row affected (0.00 sec)

MariaDB [csd2204w18]> show tables;

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

| Tables\_in\_csd2204w18 |

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

| animals |

| countries |

| departments |

| employees |

| job\_history |

| jobs |

| locations |

| manu |

| pet |

| products |

| regions |

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

11 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from employees;

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

| EMPLOYEE\_ID | FIRST\_NAME | LAST\_NAME | EMAIL | PHONE\_NUMBER | HIRE\_DATE | JOB\_ID | SALARY | COMMISSION\_PCT | MANAGER\_ID | DEPARTMENT\_ID |

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

| 100 | Steven | King | SKING | 515.123.4567 | 1987-06-17 | AD\_PRES | 24000.00 | 0.00 | 0 | 90 |

| 101 | Neena | Kochhar | NKOCHHAR | 515.123.4568 | 1987-06-18 | AD\_VP | 17000.00 | 0.00 | 100 | 90 |

| 102 | Lex | De Haan | LDEHAAN | 515.123.4569 | 1987-06-19 | AD\_VP | 17000.00 | 0.00 | 100 | 90 |

| 103 | Alexander | Hunold | AHUNOLD | 590.423.4567 | 1987-06-20 | IT\_PROG | 9000.00 | 0.00 | 102 | 60 |

| 104 | Bruce | Ernst | BERNST | 590.423.4568 | 1987-06-21 | IT\_PROG | 6000.00 | 0.00 | 103 | 60 |

| 105 | David | Austin | DAUSTIN | 590.423.4569 | 1987-06-22 | IT\_PROG | 4800.00 | 0.00 | 103 | 60 |

| 106 | Valli | Pataballa | VPATABAL | 590.423.4560 | 1987-06-23 | IT\_PROG | 4800.00 | 0.00 | 103 | 60 |

| 107 | Diana | Lorentz | DLORENTZ | 590.423.5567 | 1987-06-24 | IT\_PROG | 4200.00 | 0.00 | 103 | 60 |

| 108 | Nancy | Greenberg | NGREENBE | 515.124.4569 | 1987-06-25 | FI\_MGR | 12000.00 | 0.00 | 101 | 100 |

| 109 | Daniel | Faviet | DFAVIET | 515.124.4169 | 1987-06-26 | FI\_ACCOUNT | 9000.00 | 0.00 | 108 | 100 |

| 110 | John | Chen | JCHEN | 515.124.4269 | 1987-06-27 | FI\_ACCOUNT | 8200.00 | 0.00 | 108 | 100 |

| 111 | Ismael | Sciarra | ISCIARRA | 515.124.4369 | 1987-06-28 | FI\_ACCOUNT | 7700.00 | 0.00 | 108 | 100 |

| 112 | Jose Manuel | Urman | JMURMAN | 515.124.4469 | 1987-06-29 | FI\_ACCOUNT | 7800.00 | 0.00 | 108 | 100 |

| 113 | Luis | Popp | LPOPP | 515.124.4567 | 1987-06-30 | FI\_ACCOUNT | 6900.00 | 0.00 | 108 | 100 |

| 114 | Den | Raphaely | DRAPHEAL | 515.127.4561 | 1987-07-01 | PU\_MAN | 11000.00 | 0.00 | 100 | 30 |

| 115 | Alexander | Khoo | AKHOO | 515.127.4562 | 1987-07-02 | PU\_CLERK | 3100.00 | 0.00 | 114 | 30 |

| 116 | Shelli | Baida | SBAIDA | 515.127.4563 | 1987-07-03 | PU\_CLERK | 2900.00 | 0.00 | 114 | 30 |

| 117 | Sigal | Tobias | STOBIAS | 515.127.4564 | 1987-07-04 | PU\_CLERK | 2800.00 | 0.00 | 114 | 30 |

| 118 | Guy | Himuro | GHIMURO | 515.127.4565 | 1987-07-05 | PU\_CLERK | 2600.00 | 0.00 | 114 | 30 |

| 119 | Karen | Colmenares | KCOLMENA | 515.127.4566 | 1987-07-06 | PU\_CLERK | 2500.00 | 0.00 | 114 | 30 |

| 120 | Matthew | Weiss | MWEISS | 650.123.1234 | 1987-07-07 | ST\_MAN | 8000.00 | 0.00 | 100 | 50 |

| 121 | Adam | Fripp | AFRIPP | 650.123.2234 | 1987-07-08 | ST\_MAN | 8200.00 | 0.00 | 100 | 50 |

| 122 | Payam | Kaufling | PKAUFLIN | 650.123.3234 | 1987-07-09 | ST\_MAN | 7900.00 | 0.00 | 100 | 50 |

| 123 | Shanta | Vollman | SVOLLMAN | 650.123.4234 | 1987-07-10 | ST\_MAN | 6500.00 | 0.00 | 100 | 50 |

| 124 | Kevin | Mourgos | KMOURGOS | 650.123.5234 | 1987-07-11 | ST\_MAN | 5800.00 | 0.00 | 100 | 50 |

| 125 | Julia | Nayer | JNAYER | 650.124.1214 | 1987-07-12 | ST\_CLERK | 3200.00 | 0.00 | 120 | 50 |

| 126 | Irene | Mikkilineni | IMIKKILI | 650.124.1224 | 1987-07-13 | ST\_CLERK | 2700.00 | 0.00 | 120 | 50 |

| 127 | James | Landry | JLANDRY | 650.124.1334 | 1987-07-14 | ST\_CLERK | 2400.00 | 0.00 | 120 | 50 |

| 128 | Steven | Markle | SMARKLE | 650.124.1434 | 1987-07-15 | ST\_CLERK | 2200.00 | 0.00 | 120 | 50 |

| 129 | Laura | Bissot | LBISSOT | 650.124.5234 | 1987-07-16 | ST\_CLERK | 3300.00 | 0.00 | 121 | 50 |

| 130 | Mozhe | Atkinson | MATKINSO | 650.124.6234 | 1987-07-17 | ST\_CLERK | 2800.00 | 0.00 | 121 | 50 |

| 131 | James | Marlow | JAMRLOW | 650.124.7234 | 1987-07-18 | ST\_CLERK | 2500.00 | 0.00 | 121 | 50 |

| 132 | TJ | Olson | TJOLSON | 650.124.8234 | 1987-07-19 | ST\_CLERK | 2100.00 | 0.00 | 121 | 50 |

| 133 | Jason | Mallin | JMALLIN | 650.127.1934 | 1987-07-20 | ST\_CLERK | 3300.00 | 0.00 | 122 | 50 |

| 134 | Michael | Rogers | MROGERS | 650.127.1834 | 1987-07-21 | ST\_CLERK | 2900.00 | 0.00 | 122 | 50 |

| 135 | Ki | Gee | KGEE | 650.127.1734 | 1987-07-22 | ST\_CLERK | 2400.00 | 0.00 | 122 | 50 |

| 136 | Hazel | Philtanker | HPHILTAN | 650.127.1634 | 1987-07-23 | ST\_CLERK | 2200.00 | 0.00 | 122 | 50 |

| 137 | Renske | Ladwig | RLADWIG | 650.121.1234 | 1987-07-24 | ST\_CLERK | 3600.00 | 0.00 | 123 | 50 |

| 138 | Stephen | Stiles | SSTILES | 650.121.2034 | 1987-07-25 | ST\_CLERK | 3200.00 | 0.00 | 123 | 50 |

| 139 | John | Seo | JSEO | 650.121.2019 | 1987-07-26 | ST\_CLERK | 2700.00 | 0.00 | 123 | 50 |

| 140 | Joshua | Patel | JPATEL | 650.121.1834 | 1987-07-27 | ST\_CLERK | 2500.00 | 0.00 | 123 | 50 |

| 141 | Trenna | Rajs | TRAJS | 650.121.8009 | 1987-07-28 | ST\_CLERK | 3500.00 | 0.00 | 124 | 50 |

| 142 | Curtis | Davies | CDAVIES | 650.121.2994 | 1987-07-29 | ST\_CLERK | 3100.00 | 0.00 | 124 | 50 |

| 143 | Randall | Matos | RMATOS | 650.121.2874 | 1987-07-30 | ST\_CLERK | 2600.00 | 0.00 | 124 | 50 |

| 144 | Peter | Vargas | PVARGAS | 650.121.2004 | 1987-07-31 | ST\_CLERK | 2500.00 | 0.00 | 124 | 50 |

| 145 | John | Russell | JRUSSEL | 011.44.1344.429268 | 1987-08-01 | SA\_MAN | 14000.00 | 0.40 | 100 | 80 |

| 146 | Karen | Partners | KPARTNER | 011.44.1344.467268 | 1987-08-02 | SA\_MAN | 13500.00 | 0.30 | 100 | 80 |

| 147 | Alberto | Errazuriz | AERRAZUR | 011.44.1344.429278 | 1987-08-03 | SA\_MAN | 12000.00 | 0.30 | 100 | 80 |

| 148 | Gerald | Cambrault | GCAMBRAU | 011.44.1344.619268 | 1987-08-04 | SA\_MAN | 11000.00 | 0.30 | 100 | 80 |

| 149 | Eleni | Zlotkey | EZLOTKEY | 011.44.1344.429018 | 1987-08-05 | SA\_MAN | 10500.00 | 0.20 | 100 | 80 |

| 150 | Peter | Tucker | PTUCKER | 011.44.1344.129268 | 1987-08-06 | SA\_REP | 10000.00 | 0.30 | 145 | 80 |

| 151 | David | Bernstein | DBERNSTE | 011.44.1344.345268 | 1987-08-07 | SA\_REP | 9500.00 | 0.25 | 145 | 80 |

| 152 | Peter | Hall | PHALL | 011.44.1344.478968 | 1987-08-08 | SA\_REP | 9000.00 | 0.25 | 145 | 80 |

| 153 | Christopher | Olsen | COLSEN | 011.44.1344.498718 | 1987-08-09 | SA\_REP | 8000.00 | 0.20 | 145 | 80 |

| 154 | Nanette | Cambrault | NCAMBRAU | 011.44.1344.987668 | 1987-08-10 | SA\_REP | 7500.00 | 0.20 | 145 | 80 |

| 155 | Oliver | Tuvault | OTUVAULT | 011.44.1344.486508 | 1987-08-11 | SA\_REP | 7000.00 | 0.15 | 145 | 80 |

| 156 | Janette | King | JKING | 011.44.1345.429268 | 1987-08-12 | SA\_REP | 10000.00 | 0.35 | 146 | 80 |

| 157 | Patrick | Sully | PSULLY | 011.44.1345.929268 | 1987-08-13 | SA\_REP | 9500.00 | 0.35 | 146 | 80 |

| 158 | Allan | McEwen | AMCEWEN | 011.44.1345.829268 | 1987-08-14 | SA\_REP | 9000.00 | 0.35 | 146 | 80 |

| 159 | Lindsey | Smith | LSMITH | 011.44.1345.729268 | 1987-08-15 | SA\_REP | 8000.00 | 0.30 | 146 | 80 |

| 160 | Louise | Doran | LDORAN | 011.44.1345.629268 | 1987-08-16 | SA\_REP | 7500.00 | 0.30 | 146 | 80 |

| 161 | Sarath | Sewall | SSEWALL | 011.44.1345.529268 | 1987-08-17 | SA\_REP | 7000.00 | 0.25 | 146 | 80 |

| 162 | Clara | Vishney | CVISHNEY | 011.44.1346.129268 | 1987-08-18 | SA\_REP | 10500.00 | 0.25 | 147 | 80 |

| 163 | Danielle | Greene | DGREENE | 011.44.1346.229268 | 1987-08-19 | SA\_REP | 9500.00 | 0.15 | 147 | 80 |

| 164 | Mattea | Marvins | MMARVINS | 011.44.1346.329268 | 1987-08-20 | SA\_REP | 7200.00 | 0.10 | 147 | 80 |

| 165 | David | Lee | DLEE | 011.44.1346.529268 | 1987-08-21 | SA\_REP | 6800.00 | 0.10 | 147 | 80 |

| 166 | Sundar | Ande | SANDE | 011.44.1346.629268 | 1987-08-22 | SA\_REP | 6400.00 | 0.10 | 147 | 80 |

| 167 | Amit | Banda | ABANDA | 011.44.1346.729268 | 1987-08-23 | SA\_REP | 6200.00 | 0.10 | 147 | 80 |

| 168 | Lisa | Ozer | LOZER | 011.44.1343.929268 | 1987-08-24 | SA\_REP | 11500.00 | 0.25 | 148 | 80 |

| 169 | Harrison | Bloom | HBLOOM | 011.44.1343.829268 | 1987-08-25 | SA\_REP | 10000.00 | 0.20 | 148 | 80 |

| 170 | Tayler | Fox | TFOX | 011.44.1343.729268 | 1987-08-26 | SA\_REP | 9600.00 | 0.20 | 148 | 80 |

| 171 | William | Smith | WSMITH | 011.44.1343.629268 | 1987-08-27 | SA\_REP | 7400.00 | 0.15 | 148 | 80 |

| 172 | Elizabeth | Bates | EBATES | 011.44.1343.529268 | 1987-08-28 | SA\_REP | 7300.00 | 0.15 | 148 | 80 |

| 173 | Sundita | Kumar | SKUMAR | 011.44.1343.329268 | 1987-08-29 | SA\_REP | 6100.00 | 0.10 | 148 | 80 |

| 174 | Ellen | Abel | EABEL | 011.44.1644.429267 | 1987-08-30 | SA\_REP | 11000.00 | 0.30 | 149 | 80 |

| 175 | Alyssa | Hutton | AHUTTON | 011.44.1644.429266 | 1987-08-31 | SA\_REP | 8800.00 | 0.25 | 149 | 80 |

| 176 | Jonathon | Taylor | JTAYLOR | 011.44.1644.429265 | 1987-09-01 | SA\_REP | 8600.00 | 0.20 | 149 | 80 |

| 177 | Jack | Livingston | JLIVINGS | 011.44.1644.429264 | 1987-09-02 | SA\_REP | 8400.00 | 0.20 | 149 | 80 |

| 178 | Kimberely | Grant | KGRANT | 011.44.1644.429263 | 1987-09-03 | SA\_REP | 7000.00 | 0.15 | 149 | 0 |

| 179 | Charles | Johnson | CJOHNSON | 011.44.1644.429262 | 1987-09-04 | SA\_REP | 6200.00 | 0.10 | 149 | 80 |

| 180 | Winston | Taylor | WTAYLOR | 650.507.9876 | 1987-09-05 | SH\_CLERK | 3200.00 | 0.00 | 120 | 50 |

| 181 | Jean | Fleaur | JFLEAUR | 650.507.9877 | 1987-09-06 | SH\_CLERK | 3100.00 | 0.00 | 120 | 50 |

| 182 | Martha | Sullivan | MSULLIVA | 650.507.9878 | 1987-09-07 | SH\_CLERK | 2500.00 | 0.00 | 120 | 50 |

| 183 | Girard | Geoni | GGEONI | 650.507.9879 | 1987-09-08 | SH\_CLERK | 2800.00 | 0.00 | 120 | 50 |

| 184 | Nandita | Sarchand | NSARCHAN | 650.509.1876 | 1987-09-09 | SH\_CLERK | 4200.00 | 0.00 | 121 | 50 |

| 185 | Alexis | Bull | ABULL | 650.509.2876 | 1987-09-10 | SH\_CLERK | 4100.00 | 0.00 | 121 | 50 |

| 186 | Julia | Dellinger | JDELLING | 650.509.3876 | 1987-09-11 | SH\_CLERK | 3400.00 | 0.00 | 121 | 50 |

| 187 | Anthony | Cabrio | ACABRIO | 650.509.4876 | 1987-09-12 | SH\_CLERK | 3000.00 | 0.00 | 121 | 50 |

| 188 | Kelly | Chung | KCHUNG | 650.505.1876 | 1987-09-13 | SH\_CLERK | 3800.00 | 0.00 | 122 | 50 |

| 189 | Jennifer | Dilly | JDILLY | 650.505.2876 | 1987-09-14 | SH\_CLERK | 3600.00 | 0.00 | 122 | 50 |

| 190 | Timothy | Gates | TGATES | 650.505.3876 | 1987-09-15 | SH\_CLERK | 2900.00 | 0.00 | 122 | 50 |

| 191 | Randall | Perkins | RPERKINS | 650.505.4876 | 1987-09-16 | SH\_CLERK | 2500.00 | 0.00 | 122 | 50 |

| 192 | Sarah | Bell | SBELL | 650.501.1876 | 1987-09-17 | SH\_CLERK | 4000.00 | 0.00 | 123 | 50 |

| 193 | Britney | Everett | BEVERETT | 650.501.2876 | 1987-09-18 | SH\_CLERK | 3900.00 | 0.00 | 123 | 50 |

| 194 | Samuel | McCain | SMCCAIN | 650.501.3876 | 1987-09-19 | SH\_CLERK | 3200.00 | 0.00 | 123 | 50 |

| 195 | Vance | Jones | VJONES | 650.501.4876 | 1987-09-20 | SH\_CLERK | 2800.00 | 0.00 | 123 | 50 |

| 196 | Alana | Walsh | AWALSH | 650.507.9811 | 1987-09-21 | SH\_CLERK | 3100.00 | 0.00 | 124 | 50 |

| 197 | Kevin | Feeney | KFEENEY | 650.507.9822 | 1987-09-22 | SH\_CLERK | 3000.00 | 0.00 | 124 | 50 |

| 198 | Donald | OConnell | DOCONNEL | 650.507.9833 | 1987-09-23 | SH\_CLERK | 2600.00 | 0.00 | 124 | 50 |

| 199 | Douglas | Grant | DGRANT | 650.507.9844 | 1987-09-24 | SH\_CLERK | 2600.00 | 0.00 | 124 | 50 |

| 200 | Jennifer | Whalen | JWHALEN | 515.123.4444 | 1987-09-25 | AD\_ASST | 4400.00 | 0.00 | 101 | 10 |

| 201 | Michael | Hartstein | MHARTSTE | 515.123.5555 | 1987-09-26 | MK\_MAN | 13000.00 | 0.00 | 100 | 20 |

| 202 | Pat | Fay | PFAY | 603.123.6666 | 1987-09-27 | MK\_REP | 6000.00 | 0.00 | 201 | 20 |

| 203 | Susan | Mavris | SMAVRIS | 515.123.7777 | 1987-09-28 | HR\_REP | 6500.00 | 0.00 | 101 | 40 |

| 204 | Hermann | Baer | HBAER | 515.123.8888 | 1987-09-29 | PR\_REP | 10000.00 | 0.00 | 101 | 70 |

| 205 | Shelley | Higgins | SHIGGINS | 515.123.8080 | 1987-09-30 | AC\_MGR | 12000.00 | 0.00 | 101 | 110 |

| 206 | William | Gietz | WGIETZ | 515.123.8181 | 1987-10-01 | AC\_ACCOUNT | 8300.00 | 0.00 | 205 | 110 |

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

107 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name ,last\_name ,salary from employees where salary >(select salary from employees where last\_name='bull');

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

| first\_name | last\_name | salary |

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

| Steven | King | 24000.00 |

| Neena | Kochhar | 17000.00 |

| Lex | De Haan | 17000.00 |

| Alexander | Hunold | 9000.00 |

| Bruce | Ernst | 6000.00 |

| David | Austin | 4800.00 |

| Valli | Pataballa | 4800.00 |

| Diana | Lorentz | 4200.00 |

| Nancy | Greenberg | 12000.00 |

| Daniel | Faviet | 9000.00 |

| John | Chen | 8200.00 |

| Ismael | Sciarra | 7700.00 |

| Jose Manuel | Urman | 7800.00 |

| Luis | Popp | 6900.00 |

| Den | Raphaely | 11000.00 |

| Matthew | Weiss | 8000.00 |

| Adam | Fripp | 8200.00 |

| Payam | Kaufling | 7900.00 |

| Shanta | Vollman | 6500.00 |

| Kevin | Mourgos | 5800.00 |

| John | Russell | 14000.00 |

| Karen | Partners | 13500.00 |

| Alberto | Errazuriz | 12000.00 |

| Gerald | Cambrault | 11000.00 |

| Eleni | Zlotkey | 10500.00 |

| Peter | Tucker | 10000.00 |

| David | Bernstein | 9500.00 |

| Peter | Hall | 9000.00 |

| Christopher | Olsen | 8000.00 |

| Nanette | Cambrault | 7500.00 |

| Oliver | Tuvault | 7000.00 |

| Janette | King | 10000.00 |

| Patrick | Sully | 9500.00 |

| Allan | McEwen | 9000.00 |

| Lindsey | Smith | 8000.00 |

| Louise | Doran | 7500.00 |

| Sarath | Sewall | 7000.00 |

| Clara | Vishney | 10500.00 |

| Danielle | Greene | 9500.00 |

| Mattea | Marvins | 7200.00 |

| David | Lee | 6800.00 |

| Sundar | Ande | 6400.00 |

| Amit | Banda | 6200.00 |

| Lisa | Ozer | 11500.00 |

| Harrison | Bloom | 10000.00 |

| Tayler | Fox | 9600.00 |

| William | Smith | 7400.00 |

| Elizabeth | Bates | 7300.00 |

| Sundita | Kumar | 6100.00 |

| Ellen | Abel | 11000.00 |

| Alyssa | Hutton | 8800.00 |

| Jonathon | Taylor | 8600.00 |

| Jack | Livingston | 8400.00 |

| Kimberely | Grant | 7000.00 |

| Charles | Johnson | 6200.00 |

| Nandita | Sarchand | 4200.00 |

| Jennifer | Whalen | 4400.00 |

| Michael | Hartstein | 13000.00 |

| Pat | Fay | 6000.00 |

| Susan | Mavris | 6500.00 |

| Hermann | Baer | 10000.00 |

| Shelley | Higgins | 12000.00 |

| William | Gietz | 8300.00 |

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

63 rows in set (0.00 sec)

MariaDB [csd2204w18]> select salary from employees where last\_name='bull';

+---------+

| salary |

+---------+

| 4100.00 |

+---------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name ,last\_name ,salary from employees where salary >(select salary from employees where first\_name like'n%');

ERROR 1242 (21000): Subquery returns more than 1 row

MariaDB [csd2204w18]> select department\_id from department where department\_name='it';

ERROR 1146 (42S02): Table 'csd2204w18.department' doesn't exist

MariaDB [csd2204w18]> select department\_id from departments where department\_name='it';

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

| department\_id |

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

| 60 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_namefrom employees where department id=60;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'where department id=60' at line 1

MariaDB [csd2204w18]> select first\_name,last\_namefrom employees where department\_id=60;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'where department\_id=60' at line 1

MariaDB [csd2204w18]> select first\_name,last\_namefrom employees where department\_name like 'it';

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'where department\_name like 'it'' at line 1

MariaDB [csd2204w18]> select first\_name,last\_namefrom employees where department\_name ='it';

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'where department\_name ='it'' at line 1

MariaDB [csd2204w18]> desc departments;

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

| Field | Type | Null | Key | Default | Extra |

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

| DEPARTMENT\_ID | decimal(4,0) | NO | PRI | 0 | |

| DEPARTMENT\_NAME | varchar(30) | NO | | NULL | |

| MANAGER\_ID | decimal(6,0) | YES | MUL | NULL | |

| LOCATION\_ID | decimal(4,0) | YES | MUL | NULL | |

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

4 rows in set (0.02 sec)

MariaDB [csd2204w18]> select first\_name,last\_namefrom employees where department\_id=(select department\_id from departments where department\_name='it');

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'where department\_id=(select department\_id from departments where department\_name' at line 1

MariaDB [csd2204w18]> select first\_name,last\_name from employees where department\_id=(select department\_id from departments where department\_name='it');

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

| first\_name | last\_name |

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

| Alexander | Hunold |

| Bruce | Ernst |

| David | Austin |

| Valli | Pataballa |

| Diana | Lorentz |

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

5 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name from employees where department\_id !=(select department\_id from departments where department\_name='it');

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

| first\_name | last\_name |

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

| Steven | King |

| Neena | Kochhar |

| Lex | De Haan |

| Nancy | Greenberg |

| Daniel | Faviet |

| John | Chen |

| Ismael | Sciarra |

| Jose Manuel | Urman |

| Luis | Popp |

| Den | Raphaely |

| Alexander | Khoo |

| Shelli | Baida |

| Sigal | Tobias |

| Guy | Himuro |

| Karen | Colmenares |

| Matthew | Weiss |

| Adam | Fripp |

| Payam | Kaufling |

| Shanta | Vollman |

| Kevin | Mourgos |

| Julia | Nayer |

| Irene | Mikkilineni |

| James | Landry |

| Steven | Markle |

| Laura | Bissot |

| Mozhe | Atkinson |

| James | Marlow |

| TJ | Olson |

| Jason | Mallin |

| Michael | Rogers |

| Ki | Gee |

| Hazel | Philtanker |

| Renske | Ladwig |

| Stephen | Stiles |

| John | Seo |

| Joshua | Patel |

| Trenna | Rajs |

| Curtis | Davies |

| Randall | Matos |

| Peter | Vargas |

| John | Russell |

| Karen | Partners |

| Alberto | Errazuriz |

| Gerald | Cambrault |

| Eleni | Zlotkey |

| Peter | Tucker |

| David | Bernstein |

| Peter | Hall |

| Christopher | Olsen |

| Nanette | Cambrault |

| Oliver | Tuvault |

| Janette | King |

| Patrick | Sully |

| Allan | McEwen |

| Lindsey | Smith |

| Louise | Doran |

| Sarath | Sewall |

| Clara | Vishney |

| Danielle | Greene |

| Mattea | Marvins |

| David | Lee |

| Sundar | Ande |

| Amit | Banda |

| Lisa | Ozer |

| Harrison | Bloom |

| Tayler | Fox |

| William | Smith |

| Elizabeth | Bates |

| Sundita | Kumar |

| Ellen | Abel |

| Alyssa | Hutton |

| Jonathon | Taylor |

| Jack | Livingston |

| Kimberely | Grant |

| Charles | Johnson |

| Winston | Taylor |

| Jean | Fleaur |

| Martha | Sullivan |

| Girard | Geoni |

| Nandita | Sarchand |

| Alexis | Bull |

| Julia | Dellinger |

| Anthony | Cabrio |

| Kelly | Chung |

| Jennifer | Dilly |

| Timothy | Gates |

| Randall | Perkins |

| Sarah | Bell |

| Britney | Everett |

| Samuel | McCain |

| Vance | Jones |

| Alana | Walsh |

| Kevin | Feeney |

| Donald | OConnell |

| Douglas | Grant |

| Jennifer | Whalen |

| Michael | Hartstein |

| Pat | Fay |

| Susan | Mavris |

| Hermann | Baer |

| Shelley | Higgins |

| William | Gietz |

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

102 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from countries;

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

| COUNTRY\_ID | COUNTRY\_NAME | REGION\_ID |

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

| AR | Argentina | 2 |

| AU | Australia | 3 |

| BE | Belgium | 1 |

| BR | Brazil | 2 |

| CA | Canada | 2 |

| CH | Switzerland | 1 |

| CN | China | 3 |

| DE | Germany | 1 |

| DK | Denmark | 1 |

| EG | Egypt | 4 |

| FR | France | 1 |

| HK | HongKong | 3 |

| IL | Israel | 4 |

| IN | India | 3 |

| IT | Italy | 1 |

| JP | Japan | 3 |

| KW | Kuwait | 4 |

| MX | Mexico | 2 |

| NG | Nigeria | 4 |

| NL | Netherlands | 1 |

| SG | Singapore | 3 |

| UK | United Kingdom | 1 |

| US | United States of America | 2 |

| ZM | Zambia | 4 |

| ZW | Zimbabwe | 4 |

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

25 rows in set (0.00 sec)

MariaDB [csd2204w18]> desc locations;

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

| Field | Type | Null | Key | Default | Extra |

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

| LOCATION\_ID | decimal(4,0) | NO | PRI | 0 | |

| STREET\_ADDRESS | varchar(40) | YES | | NULL | |

| POSTAL\_CODE | varchar(12) | YES | | NULL | |

| CITY | varchar(30) | NO | MUL | NULL | |

| STATE\_PROVINCE | varchar(25) | YES | MUL | NULL | |

| COUNTRY\_ID | varchar(2) | YES | MUL | NULL | |

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

6 rows in set (0.00 sec)

MariaDB [csd2204w18]> desc countries;

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

| Field | Type | Null | Key | Default | Extra |

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

| COUNTRY\_ID | varchar(2) | NO | PRI | NULL | |

| COUNTRY\_NAME | varchar(40) | YES | | NULL | |

| REGION\_ID | decimal(10,0) | YES | MUL | NULL | |

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

3 rows in set (0.02 sec)

MariaDB [csd2204w18]> desc employees;

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

| Field | Type | Null | Key | Default | Extra |

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

| EMPLOYEE\_ID | decimal(6,0) | NO | PRI | 0 | |

| FIRST\_NAME | varchar(20) | YES | | NULL | |

| LAST\_NAME | varchar(25) | NO | MUL | NULL | |

| EMAIL | varchar(25) | NO | UNI | NULL | |

| PHONE\_NUMBER | varchar(20) | YES | | NULL | |

| HIRE\_DATE | date | NO | | NULL | |

| JOB\_ID | varchar(10) | NO | MUL | NULL | |

| SALARY | decimal(8,2) | YES | | NULL | |

| COMMISSION\_PCT | decimal(2,2) | YES | | NULL | |

| MANAGER\_ID | decimal(6,0) | YES | MUL | NULL | |

| DEPARTMENT\_ID | decimal(4,0) | YES | MUL | NULL | |

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

11 rows in set (0.01 sec)

MariaDB [csd2204w18]> desc departments;

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

| Field | Type | Null | Key | Default | Extra |

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

| DEPARTMENT\_ID | decimal(4,0) | NO | PRI | 0 | |

| DEPARTMENT\_NAME | varchar(30) | NO | | NULL | |

| MANAGER\_ID | decimal(6,0) | YES | MUL | NULL | |

| LOCATION\_ID | decimal(4,0) | YES | MUL | NULL | |

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

4 rows in set (0.00 sec)

MariaDB [csd2204w18]> select country\_id from countries where country='us';

ERROR 1054 (42S22): Unknown column 'country' in 'where clause'

MariaDB [csd2204w18]> select country\_id from countries where country\_name='us';

Empty set (0.00 sec)

MariaDB [csd2204w18]> select country\_id from locations where country\_id='us';

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

| country\_id |

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

| US |

| US |

| US |

| US |

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

4 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from locations;

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

| LOCATION\_ID | STREET\_ADDRESS | POSTAL\_CODE | CITY | STATE\_PROVINCE | COUNTRY\_ID |

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

| 1000 | 1297 Via Cola di Rie | 989 | Roma | | IT |

| 1100 | 93091 Calle della Testa | 10934 | Venice | | IT |

| 1200 | 2017 Shinjuku-ku | 1689 | Tokyo | Tokyo Prefecture | JP |

| 1300 | 9450 Kamiya-cho | 6823 | Hiroshima | | JP |

| 1400 | 2014 Jabberwocky Rd | 26192 | Southlake | Texas | US |

| 1500 | 2011 Interiors Blvd | 99236 | South San Francisco | California | US |

| 1600 | 2007 Zagora St | 50090 | South Brunswick | New Jersey | US |

| 1700 | 2004 Charade Rd | 98199 | Seattle | Washington | US |

| 1800 | 147 Spadina Ave | M5V 2L7 | Toronto | Ontario | CA |

| 1900 | 6092 Boxwood St | YSW 9T2 | Whitehorse | Yukon | CA |

| 2000 | 40-5-12 Laogianggen | 190518 | Beijing | | CN |

| 2100 | 1298 Vileparle (E) | 490231 | Bombay | Maharashtra | IN |

| 2200 | 12-98 Victoria Street | 2901 | Sydney | New South Wales | AU |

| 2300 | 198 Clementi North | 540198 | Singapore | | SG |

| 2400 | 8204 Arthur St | | London | | UK |

| 2500 | "Magdalen Centre | The Oxford | OX9 9ZB | Oxford | Ox |

| 2600 | 9702 Chester Road | 9629850293 | Stretford | Manchester | UK |

| 2700 | Schwanthalerstr. 7031 | 80925 | Munich | Bavaria | DE |

| 2800 | Rua Frei Caneca 1360 | 01307-002 | Sao Paulo | Sao Paulo | BR |

| 2900 | 20 Rue des Corps-Saints | 1730 | Geneva | Geneve | CH |

| 3000 | Murtenstrasse 921 | 3095 | Bern | BE | CH |

| 3100 | Pieter Breughelstraat 837 | 3029SK | Utrecht | Utrecht | NL |

| 3200 | Mariano Escobedo 9991 | 11932 | Mexico City | "Distrito Federal | " |

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

23 rows in set (0.00 sec)

MariaDB [csd2204w18]> select location\_id from locations where country\_id='us';

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

| location\_id |

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

| 1400 |

| 1500 |

| 1600 |

| 1700 |

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

4 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name from employees where manager\_id <>0 and department\_id in (select department\_id from departments where location\_id in (select location\_id from locations where country\_id='us');

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 1

MariaDB [csd2204w18]> select first\_name,last\_name from employees where manager\_id <>0 and department\_id in (select department\_id from departments where location\_id in (select location\_id from locations where country\_id='us'));

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

| first\_name | last\_name |

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

| Alexander | Hunold |

| Bruce | Ernst |

| David | Austin |

| Valli | Pataballa |

| Diana | Lorentz |

| Matthew | Weiss |

| Adam | Fripp |

| Payam | Kaufling |

| Shanta | Vollman |

| Kevin | Mourgos |

| Julia | Nayer |

| Irene | Mikkilineni |

| James | Landry |

| Steven | Markle |

| Laura | Bissot |

| Mozhe | Atkinson |

| James | Marlow |

| TJ | Olson |

| Jason | Mallin |

| Michael | Rogers |

| Ki | Gee |

| Hazel | Philtanker |

| Renske | Ladwig |

| Stephen | Stiles |

| John | Seo |

| Joshua | Patel |

| Trenna | Rajs |

| Curtis | Davies |

| Randall | Matos |

| Peter | Vargas |

| Winston | Taylor |

| Jean | Fleaur |

| Martha | Sullivan |

| Girard | Geoni |

| Nandita | Sarchand |

| Alexis | Bull |

| Julia | Dellinger |

| Anthony | Cabrio |

| Kelly | Chung |

| Jennifer | Dilly |

| Timothy | Gates |

| Randall | Perkins |

| Sarah | Bell |

| Britney | Everett |

| Samuel | McCain |

| Vance | Jones |

| Alana | Walsh |

| Kevin | Feeney |

| Donald | OConnell |

| Douglas | Grant |

| Jennifer | Whalen |

| Den | Raphaely |

| Alexander | Khoo |

| Shelli | Baida |

| Sigal | Tobias |

| Guy | Himuro |

| Karen | Colmenares |

| Neena | Kochhar |

| Lex | De Haan |

| Nancy | Greenberg |

| Daniel | Faviet |

| John | Chen |

| Ismael | Sciarra |

| Jose Manuel | Urman |

| Luis | Popp |

| Shelley | Higgins |

| William | Gietz |

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

67 rows in set (0.00 sec)

MariaDB [csd2204w18]> 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 | 0 | 1700 |

| 130 | Corporate Tax | 0 | 1700 |

| 140 | Control And Credit | 0 | 1700 |

| 150 | Shareholder Services | 0 | 1700 |

| 160 | Benefits | 0 | 1700 |

| 170 | Manufacturing | 0 | 1700 |

| 180 | Construction | 0 | 1700 |

| 190 | Contracting | 0 | 1700 |

| 200 | Operations | 0 | 1700 |

| 210 | IT Support | 0 | 1700 |

| 220 | NOC | 0 | 1700 |

| 230 | IT Helpdesk | 0 | 1700 |

| 240 | Government Sales | 0 | 1700 |

| 250 | Retail Sales | 0 | 1700 |

| 260 | Recruiting | 0 | 1700 |

| 270 | Payroll | 0 | 1700 |

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

27 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from employees;

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

| EMPLOYEE\_ID | FIRST\_NAME | LAST\_NAME | EMAIL | PHONE\_NUMBER | HIRE\_DATE | JOB\_ID | SALARY | COMMISSION\_PCT | MANAGER\_ID | DEPARTMENT\_ID |

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

| 100 | Steven | King | SKING | 515.123.4567 | 1987-06-17 | AD\_PRES | 24000.00 | 0.00 | 0 | 90 |

| 101 | Neena | Kochhar | NKOCHHAR | 515.123.4568 | 1987-06-18 | AD\_VP | 17000.00 | 0.00 | 100 | 90 |

| 102 | Lex | De Haan | LDEHAAN | 515.123.4569 | 1987-06-19 | AD\_VP | 17000.00 | 0.00 | 100 | 90 |

| 103 | Alexander | Hunold | AHUNOLD | 590.423.4567 | 1987-06-20 | IT\_PROG | 9000.00 | 0.00 | 102 | 60 |

| 104 | Bruce | Ernst | BERNST | 590.423.4568 | 1987-06-21 | IT\_PROG | 6000.00 | 0.00 | 103 | 60 |

| 105 | David | Austin | DAUSTIN | 590.423.4569 | 1987-06-22 | IT\_PROG | 4800.00 | 0.00 | 103 | 60 |

| 106 | Valli | Pataballa | VPATABAL | 590.423.4560 | 1987-06-23 | IT\_PROG | 4800.00 | 0.00 | 103 | 60 |

| 107 | Diana | Lorentz | DLORENTZ | 590.423.5567 | 1987-06-24 | IT\_PROG | 4200.00 | 0.00 | 103 | 60 |

| 108 | Nancy | Greenberg | NGREENBE | 515.124.4569 | 1987-06-25 | FI\_MGR | 12000.00 | 0.00 | 101 | 100 |

| 109 | Daniel | Faviet | DFAVIET | 515.124.4169 | 1987-06-26 | FI\_ACCOUNT | 9000.00 | 0.00 | 108 | 100 |

| 110 | John | Chen | JCHEN | 515.124.4269 | 1987-06-27 | FI\_ACCOUNT | 8200.00 | 0.00 | 108 | 100 |

| 111 | Ismael | Sciarra | ISCIARRA | 515.124.4369 | 1987-06-28 | FI\_ACCOUNT | 7700.00 | 0.00 | 108 | 100 |

| 112 | Jose Manuel | Urman | JMURMAN | 515.124.4469 | 1987-06-29 | FI\_ACCOUNT | 7800.00 | 0.00 | 108 | 100 |

| 113 | Luis | Popp | LPOPP | 515.124.4567 | 1987-06-30 | FI\_ACCOUNT | 6900.00 | 0.00 | 108 | 100 |

| 114 | Den | Raphaely | DRAPHEAL | 515.127.4561 | 1987-07-01 | PU\_MAN | 11000.00 | 0.00 | 100 | 30 |

| 115 | Alexander | Khoo | AKHOO | 515.127.4562 | 1987-07-02 | PU\_CLERK | 3100.00 | 0.00 | 114 | 30 |

| 116 | Shelli | Baida | SBAIDA | 515.127.4563 | 1987-07-03 | PU\_CLERK | 2900.00 | 0.00 | 114 | 30 |

| 117 | Sigal | Tobias | STOBIAS | 515.127.4564 | 1987-07-04 | PU\_CLERK | 2800.00 | 0.00 | 114 | 30 |

| 118 | Guy | Himuro | GHIMURO | 515.127.4565 | 1987-07-05 | PU\_CLERK | 2600.00 | 0.00 | 114 | 30 |

| 119 | Karen | Colmenares | KCOLMENA | 515.127.4566 | 1987-07-06 | PU\_CLERK | 2500.00 | 0.00 | 114 | 30 |

| 120 | Matthew | Weiss | MWEISS | 650.123.1234 | 1987-07-07 | ST\_MAN | 8000.00 | 0.00 | 100 | 50 |

| 121 | Adam | Fripp | AFRIPP | 650.123.2234 | 1987-07-08 | ST\_MAN | 8200.00 | 0.00 | 100 | 50 |

| 122 | Payam | Kaufling | PKAUFLIN | 650.123.3234 | 1987-07-09 | ST\_MAN | 7900.00 | 0.00 | 100 | 50 |

| 123 | Shanta | Vollman | SVOLLMAN | 650.123.4234 | 1987-07-10 | ST\_MAN | 6500.00 | 0.00 | 100 | 50 |

| 124 | Kevin | Mourgos | KMOURGOS | 650.123.5234 | 1987-07-11 | ST\_MAN | 5800.00 | 0.00 | 100 | 50 |

| 125 | Julia | Nayer | JNAYER | 650.124.1214 | 1987-07-12 | ST\_CLERK | 3200.00 | 0.00 | 120 | 50 |

| 126 | Irene | Mikkilineni | IMIKKILI | 650.124.1224 | 1987-07-13 | ST\_CLERK | 2700.00 | 0.00 | 120 | 50 |

| 127 | James | Landry | JLANDRY | 650.124.1334 | 1987-07-14 | ST\_CLERK | 2400.00 | 0.00 | 120 | 50 |

| 128 | Steven | Markle | SMARKLE | 650.124.1434 | 1987-07-15 | ST\_CLERK | 2200.00 | 0.00 | 120 | 50 |

| 129 | Laura | Bissot | LBISSOT | 650.124.5234 | 1987-07-16 | ST\_CLERK | 3300.00 | 0.00 | 121 | 50 |

| 130 | Mozhe | Atkinson | MATKINSO | 650.124.6234 | 1987-07-17 | ST\_CLERK | 2800.00 | 0.00 | 121 | 50 |

| 131 | James | Marlow | JAMRLOW | 650.124.7234 | 1987-07-18 | ST\_CLERK | 2500.00 | 0.00 | 121 | 50 |

| 132 | TJ | Olson | TJOLSON | 650.124.8234 | 1987-07-19 | ST\_CLERK | 2100.00 | 0.00 | 121 | 50 |

| 133 | Jason | Mallin | JMALLIN | 650.127.1934 | 1987-07-20 | ST\_CLERK | 3300.00 | 0.00 | 122 | 50 |

| 134 | Michael | Rogers | MROGERS | 650.127.1834 | 1987-07-21 | ST\_CLERK | 2900.00 | 0.00 | 122 | 50 |

| 135 | Ki | Gee | KGEE | 650.127.1734 | 1987-07-22 | ST\_CLERK | 2400.00 | 0.00 | 122 | 50 |

| 136 | Hazel | Philtanker | HPHILTAN | 650.127.1634 | 1987-07-23 | ST\_CLERK | 2200.00 | 0.00 | 122 | 50 |

| 137 | Renske | Ladwig | RLADWIG | 650.121.1234 | 1987-07-24 | ST\_CLERK | 3600.00 | 0.00 | 123 | 50 |

| 138 | Stephen | Stiles | SSTILES | 650.121.2034 | 1987-07-25 | ST\_CLERK | 3200.00 | 0.00 | 123 | 50 |

| 139 | John | Seo | JSEO | 650.121.2019 | 1987-07-26 | ST\_CLERK | 2700.00 | 0.00 | 123 | 50 |

| 140 | Joshua | Patel | JPATEL | 650.121.1834 | 1987-07-27 | ST\_CLERK | 2500.00 | 0.00 | 123 | 50 |

| 141 | Trenna | Rajs | TRAJS | 650.121.8009 | 1987-07-28 | ST\_CLERK | 3500.00 | 0.00 | 124 | 50 |

| 142 | Curtis | Davies | CDAVIES | 650.121.2994 | 1987-07-29 | ST\_CLERK | 3100.00 | 0.00 | 124 | 50 |

| 143 | Randall | Matos | RMATOS | 650.121.2874 | 1987-07-30 | ST\_CLERK | 2600.00 | 0.00 | 124 | 50 |

| 144 | Peter | Vargas | PVARGAS | 650.121.2004 | 1987-07-31 | ST\_CLERK | 2500.00 | 0.00 | 124 | 50 |

| 145 | John | Russell | JRUSSEL | 011.44.1344.429268 | 1987-08-01 | SA\_MAN | 14000.00 | 0.40 | 100 | 80 |

| 146 | Karen | Partners | KPARTNER | 011.44.1344.467268 | 1987-08-02 | SA\_MAN | 13500.00 | 0.30 | 100 | 80 |

| 147 | Alberto | Errazuriz | AERRAZUR | 011.44.1344.429278 | 1987-08-03 | SA\_MAN | 12000.00 | 0.30 | 100 | 80 |

| 148 | Gerald | Cambrault | GCAMBRAU | 011.44.1344.619268 | 1987-08-04 | SA\_MAN | 11000.00 | 0.30 | 100 | 80 |

| 149 | Eleni | Zlotkey | EZLOTKEY | 011.44.1344.429018 | 1987-08-05 | SA\_MAN | 10500.00 | 0.20 | 100 | 80 |

| 150 | Peter | Tucker | PTUCKER | 011.44.1344.129268 | 1987-08-06 | SA\_REP | 10000.00 | 0.30 | 145 | 80 |

| 151 | David | Bernstein | DBERNSTE | 011.44.1344.345268 | 1987-08-07 | SA\_REP | 9500.00 | 0.25 | 145 | 80 |

| 152 | Peter | Hall | PHALL | 011.44.1344.478968 | 1987-08-08 | SA\_REP | 9000.00 | 0.25 | 145 | 80 |

| 153 | Christopher | Olsen | COLSEN | 011.44.1344.498718 | 1987-08-09 | SA\_REP | 8000.00 | 0.20 | 145 | 80 |

| 154 | Nanette | Cambrault | NCAMBRAU | 011.44.1344.987668 | 1987-08-10 | SA\_REP | 7500.00 | 0.20 | 145 | 80 |

| 155 | Oliver | Tuvault | OTUVAULT | 011.44.1344.486508 | 1987-08-11 | SA\_REP | 7000.00 | 0.15 | 145 | 80 |

| 156 | Janette | King | JKING | 011.44.1345.429268 | 1987-08-12 | SA\_REP | 10000.00 | 0.35 | 146 | 80 |

| 157 | Patrick | Sully | PSULLY | 011.44.1345.929268 | 1987-08-13 | SA\_REP | 9500.00 | 0.35 | 146 | 80 |

| 158 | Allan | McEwen | AMCEWEN | 011.44.1345.829268 | 1987-08-14 | SA\_REP | 9000.00 | 0.35 | 146 | 80 |

| 159 | Lindsey | Smith | LSMITH | 011.44.1345.729268 | 1987-08-15 | SA\_REP | 8000.00 | 0.30 | 146 | 80 |

| 160 | Louise | Doran | LDORAN | 011.44.1345.629268 | 1987-08-16 | SA\_REP | 7500.00 | 0.30 | 146 | 80 |

| 161 | Sarath | Sewall | SSEWALL | 011.44.1345.529268 | 1987-08-17 | SA\_REP | 7000.00 | 0.25 | 146 | 80 |

| 162 | Clara | Vishney | CVISHNEY | 011.44.1346.129268 | 1987-08-18 | SA\_REP | 10500.00 | 0.25 | 147 | 80 |

| 163 | Danielle | Greene | DGREENE | 011.44.1346.229268 | 1987-08-19 | SA\_REP | 9500.00 | 0.15 | 147 | 80 |

| 164 | Mattea | Marvins | MMARVINS | 011.44.1346.329268 | 1987-08-20 | SA\_REP | 7200.00 | 0.10 | 147 | 80 |

| 165 | David | Lee | DLEE | 011.44.1346.529268 | 1987-08-21 | SA\_REP | 6800.00 | 0.10 | 147 | 80 |

| 166 | Sundar | Ande | SANDE | 011.44.1346.629268 | 1987-08-22 | SA\_REP | 6400.00 | 0.10 | 147 | 80 |

| 167 | Amit | Banda | ABANDA | 011.44.1346.729268 | 1987-08-23 | SA\_REP | 6200.00 | 0.10 | 147 | 80 |

| 168 | Lisa | Ozer | LOZER | 011.44.1343.929268 | 1987-08-24 | SA\_REP | 11500.00 | 0.25 | 148 | 80 |

| 169 | Harrison | Bloom | HBLOOM | 011.44.1343.829268 | 1987-08-25 | SA\_REP | 10000.00 | 0.20 | 148 | 80 |

| 170 | Tayler | Fox | TFOX | 011.44.1343.729268 | 1987-08-26 | SA\_REP | 9600.00 | 0.20 | 148 | 80 |

| 171 | William | Smith | WSMITH | 011.44.1343.629268 | 1987-08-27 | SA\_REP | 7400.00 | 0.15 | 148 | 80 |

| 172 | Elizabeth | Bates | EBATES | 011.44.1343.529268 | 1987-08-28 | SA\_REP | 7300.00 | 0.15 | 148 | 80 |

| 173 | Sundita | Kumar | SKUMAR | 011.44.1343.329268 | 1987-08-29 | SA\_REP | 6100.00 | 0.10 | 148 | 80 |

| 174 | Ellen | Abel | EABEL | 011.44.1644.429267 | 1987-08-30 | SA\_REP | 11000.00 | 0.30 | 149 | 80 |

| 175 | Alyssa | Hutton | AHUTTON | 011.44.1644.429266 | 1987-08-31 | SA\_REP | 8800.00 | 0.25 | 149 | 80 |

| 176 | Jonathon | Taylor | JTAYLOR | 011.44.1644.429265 | 1987-09-01 | SA\_REP | 8600.00 | 0.20 | 149 | 80 |

| 177 | Jack | Livingston | JLIVINGS | 011.44.1644.429264 | 1987-09-02 | SA\_REP | 8400.00 | 0.20 | 149 | 80 |

| 178 | Kimberely | Grant | KGRANT | 011.44.1644.429263 | 1987-09-03 | SA\_REP | 7000.00 | 0.15 | 149 | 0 |

| 179 | Charles | Johnson | CJOHNSON | 011.44.1644.429262 | 1987-09-04 | SA\_REP | 6200.00 | 0.10 | 149 | 80 |

| 180 | Winston | Taylor | WTAYLOR | 650.507.9876 | 1987-09-05 | SH\_CLERK | 3200.00 | 0.00 | 120 | 50 |

| 181 | Jean | Fleaur | JFLEAUR | 650.507.9877 | 1987-09-06 | SH\_CLERK | 3100.00 | 0.00 | 120 | 50 |

| 182 | Martha | Sullivan | MSULLIVA | 650.507.9878 | 1987-09-07 | SH\_CLERK | 2500.00 | 0.00 | 120 | 50 |

| 183 | Girard | Geoni | GGEONI | 650.507.9879 | 1987-09-08 | SH\_CLERK | 2800.00 | 0.00 | 120 | 50 |

| 184 | Nandita | Sarchand | NSARCHAN | 650.509.1876 | 1987-09-09 | SH\_CLERK | 4200.00 | 0.00 | 121 | 50 |

| 185 | Alexis | Bull | ABULL | 650.509.2876 | 1987-09-10 | SH\_CLERK | 4100.00 | 0.00 | 121 | 50 |

| 186 | Julia | Dellinger | JDELLING | 650.509.3876 | 1987-09-11 | SH\_CLERK | 3400.00 | 0.00 | 121 | 50 |

| 187 | Anthony | Cabrio | ACABRIO | 650.509.4876 | 1987-09-12 | SH\_CLERK | 3000.00 | 0.00 | 121 | 50 |

| 188 | Kelly | Chung | KCHUNG | 650.505.1876 | 1987-09-13 | SH\_CLERK | 3800.00 | 0.00 | 122 | 50 |

| 189 | Jennifer | Dilly | JDILLY | 650.505.2876 | 1987-09-14 | SH\_CLERK | 3600.00 | 0.00 | 122 | 50 |

| 190 | Timothy | Gates | TGATES | 650.505.3876 | 1987-09-15 | SH\_CLERK | 2900.00 | 0.00 | 122 | 50 |

| 191 | Randall | Perkins | RPERKINS | 650.505.4876 | 1987-09-16 | SH\_CLERK | 2500.00 | 0.00 | 122 | 50 |

| 192 | Sarah | Bell | SBELL | 650.501.1876 | 1987-09-17 | SH\_CLERK | 4000.00 | 0.00 | 123 | 50 |

| 193 | Britney | Everett | BEVERETT | 650.501.2876 | 1987-09-18 | SH\_CLERK | 3900.00 | 0.00 | 123 | 50 |

| 194 | Samuel | McCain | SMCCAIN | 650.501.3876 | 1987-09-19 | SH\_CLERK | 3200.00 | 0.00 | 123 | 50 |

| 195 | Vance | Jones | VJONES | 650.501.4876 | 1987-09-20 | SH\_CLERK | 2800.00 | 0.00 | 123 | 50 |

| 196 | Alana | Walsh | AWALSH | 650.507.9811 | 1987-09-21 | SH\_CLERK | 3100.00 | 0.00 | 124 | 50 |

| 197 | Kevin | Feeney | KFEENEY | 650.507.9822 | 1987-09-22 | SH\_CLERK | 3000.00 | 0.00 | 124 | 50 |

| 198 | Donald | OConnell | DOCONNEL | 650.507.9833 | 1987-09-23 | SH\_CLERK | 2600.00 | 0.00 | 124 | 50 |

| 199 | Douglas | Grant | DGRANT | 650.507.9844 | 1987-09-24 | SH\_CLERK | 2600.00 | 0.00 | 124 | 50 |

| 200 | Jennifer | Whalen | JWHALEN | 515.123.4444 | 1987-09-25 | AD\_ASST | 4400.00 | 0.00 | 101 | 10 |

| 201 | Michael | Hartstein | MHARTSTE | 515.123.5555 | 1987-09-26 | MK\_MAN | 13000.00 | 0.00 | 100 | 20 |

| 202 | Pat | Fay | PFAY | 603.123.6666 | 1987-09-27 | MK\_REP | 6000.00 | 0.00 | 201 | 20 |

| 203 | Susan | Mavris | SMAVRIS | 515.123.7777 | 1987-09-28 | HR\_REP | 6500.00 | 0.00 | 101 | 40 |

| 204 | Hermann | Baer | HBAER | 515.123.8888 | 1987-09-29 | PR\_REP | 10000.00 | 0.00 | 101 | 70 |

| 205 | Shelley | Higgins | SHIGGINS | 515.123.8080 | 1987-09-30 | AC\_MGR | 12000.00 | 0.00 | 101 | 110 |

| 206 | William | Gietz | WGIETZ | 515.123.8181 | 1987-10-01 | AC\_ACCOUNT | 8300.00 | 0.00 | 205 | 110 |

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

107 rows in set (0.00 sec)

MariaDB [csd2204w18]> select manager\_id from employees where manager id !=0;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'id !=0' at line 1

MariaDB [csd2204w18]> select manager\_id from employees where manager id <> 0;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'id <> 0' at line 1

MariaDB [csd2204w18]> select manager\_id from employees where manager\_id <> 0;

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

| manager\_id |

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

| 100 |

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| 201 |

| 205 |

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

106 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name from employees where employee\_id=(select manager\_id from employees where manager\_id <> 0);

ERROR 1242 (21000): Subquery returns more than 1 row

MariaDB [csd2204w18]> select first\_name,last\_name from employees where employee\_id in (select manager\_id from employees where manager\_id <> 0);

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

| first\_name | last\_name |

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

| Steven | King |

| Neena | Kochhar |

| Lex | De Haan |

| Alexander | Hunold |

| Nancy | Greenberg |

| Den | Raphaely |

| Matthew | Weiss |

| Adam | Fripp |

| Payam | Kaufling |

| Shanta | Vollman |

| Kevin | Mourgos |

| John | Russell |

| Karen | Partners |

| Alberto | Errazuriz |

| Gerald | Cambrault |

| Eleni | Zlotkey |

| Michael | Hartstein |

| Shelley | Higgins |

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

18 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,manager\_id from employees where employee\_id in (select manager\_id from employees where manager\_id <> 0);

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

| first\_name | last\_name | manager\_id |

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

| Steven | King | 0 |

| Neena | Kochhar | 100 |

| Lex | De Haan | 100 |

| Alexander | Hunold | 102 |

| Nancy | Greenberg | 101 |

| Den | Raphaely | 100 |

| Matthew | Weiss | 100 |

| Adam | Fripp | 100 |

| Payam | Kaufling | 100 |

| Shanta | Vollman | 100 |

| Kevin | Mourgos | 100 |

| John | Russell | 100 |

| Karen | Partners | 100 |

| Alberto | Errazuriz | 100 |

| Gerald | Cambrault | 100 |

| Eleni | Zlotkey | 100 |

| Michael | Hartstein | 100 |

| Shelley | Higgins | 101 |

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

18 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,manager\_id from employees where employee\_id in (select manager\_id from employees where manager\_id != 0);

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

| first\_name | last\_name | manager\_id |

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

| Steven | King | 0 |

| Neena | Kochhar | 100 |

| Lex | De Haan | 100 |

| Alexander | Hunold | 102 |

| Nancy | Greenberg | 101 |

| Den | Raphaely | 100 |

| Matthew | Weiss | 100 |

| Adam | Fripp | 100 |

| Payam | Kaufling | 100 |

| Shanta | Vollman | 100 |

| Kevin | Mourgos | 100 |

| John | Russell | 100 |

| Karen | Partners | 100 |

| Alberto | Errazuriz | 100 |

| Gerald | Cambrault | 100 |

| Eleni | Zlotkey | 100 |

| Michael | Hartstein | 100 |

| Shelley | Higgins | 101 |

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

18 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,manager\_id from employees where employee\_id in (select manager\_id from employees);

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

| first\_name | last\_name | manager\_id |

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

| Steven | King | 0 |

| Neena | Kochhar | 100 |

| Lex | De Haan | 100 |

| Alexander | Hunold | 102 |

| Nancy | Greenberg | 101 |

| Den | Raphaely | 100 |

| Matthew | Weiss | 100 |

| Adam | Fripp | 100 |

| Payam | Kaufling | 100 |

| Shanta | Vollman | 100 |

| Kevin | Mourgos | 100 |

| John | Russell | 100 |

| Karen | Partners | 100 |

| Alberto | Errazuriz | 100 |

| Gerald | Cambrault | 100 |

| Eleni | Zlotkey | 100 |

| Michael | Hartstein | 100 |

| Shelley | Higgins | 101 |

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

18 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,manager\_id from employees where employee\_id in(select employee\_id from employees where employee\_id in (select distinct manager\_id from employees));

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

| first\_name | last\_name | manager\_id |

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

| Steven | King | 0 |

| Neena | Kochhar | 100 |

| Lex | De Haan | 100 |

| Alexander | Hunold | 102 |

| Nancy | Greenberg | 101 |

| Den | Raphaely | 100 |

| Matthew | Weiss | 100 |

| Adam | Fripp | 100 |

| Payam | Kaufling | 100 |

| Shanta | Vollman | 100 |

| Kevin | Mourgos | 100 |

| John | Russell | 100 |

| Karen | Partners | 100 |

| Alberto | Errazuriz | 100 |

| Gerald | Cambrault | 100 |

| Eleni | Zlotkey | 100 |

| Michael | Hartstein | 100 |

| Shelley | Higgins | 101 |

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

18 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from employees;

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

| EMPLOYEE\_ID | FIRST\_NAME | LAST\_NAME | EMAIL | PHONE\_NUMBER | HIRE\_DATE | JOB\_ID | SALARY | COMMISSION\_PCT | MANAGER\_ID | DEPARTMENT\_ID |

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

| 100 | Steven | King | SKING | 515.123.4567 | 1987-06-17 | AD\_PRES | 24000.00 | 0.00 | 0 | 90 |

| 101 | Neena | Kochhar | NKOCHHAR | 515.123.4568 | 1987-06-18 | AD\_VP | 17000.00 | 0.00 | 100 | 90 |

| 102 | Lex | De Haan | LDEHAAN | 515.123.4569 | 1987-06-19 | AD\_VP | 17000.00 | 0.00 | 100 | 90 |

| 103 | Alexander | Hunold | AHUNOLD | 590.423.4567 | 1987-06-20 | IT\_PROG | 9000.00 | 0.00 | 102 | 60 |

| 104 | Bruce | Ernst | BERNST | 590.423.4568 | 1987-06-21 | IT\_PROG | 6000.00 | 0.00 | 103 | 60 |

| 105 | David | Austin | DAUSTIN | 590.423.4569 | 1987-06-22 | IT\_PROG | 4800.00 | 0.00 | 103 | 60 |

| 106 | Valli | Pataballa | VPATABAL | 590.423.4560 | 1987-06-23 | IT\_PROG | 4800.00 | 0.00 | 103 | 60 |

| 107 | Diana | Lorentz | DLORENTZ | 590.423.5567 | 1987-06-24 | IT\_PROG | 4200.00 | 0.00 | 103 | 60 |

| 108 | Nancy | Greenberg | NGREENBE | 515.124.4569 | 1987-06-25 | FI\_MGR | 12000.00 | 0.00 | 101 | 100 |

| 109 | Daniel | Faviet | DFAVIET | 515.124.4169 | 1987-06-26 | FI\_ACCOUNT | 9000.00 | 0.00 | 108 | 100 |

| 110 | John | Chen | JCHEN | 515.124.4269 | 1987-06-27 | FI\_ACCOUNT | 8200.00 | 0.00 | 108 | 100 |

| 111 | Ismael | Sciarra | ISCIARRA | 515.124.4369 | 1987-06-28 | FI\_ACCOUNT | 7700.00 | 0.00 | 108 | 100 |

| 112 | Jose Manuel | Urman | JMURMAN | 515.124.4469 | 1987-06-29 | FI\_ACCOUNT | 7800.00 | 0.00 | 108 | 100 |

| 113 | Luis | Popp | LPOPP | 515.124.4567 | 1987-06-30 | FI\_ACCOUNT | 6900.00 | 0.00 | 108 | 100 |

| 114 | Den | Raphaely | DRAPHEAL | 515.127.4561 | 1987-07-01 | PU\_MAN | 11000.00 | 0.00 | 100 | 30 |

| 115 | Alexander | Khoo | AKHOO | 515.127.4562 | 1987-07-02 | PU\_CLERK | 3100.00 | 0.00 | 114 | 30 |

| 116 | Shelli | Baida | SBAIDA | 515.127.4563 | 1987-07-03 | PU\_CLERK | 2900.00 | 0.00 | 114 | 30 |

| 117 | Sigal | Tobias | STOBIAS | 515.127.4564 | 1987-07-04 | PU\_CLERK | 2800.00 | 0.00 | 114 | 30 |

| 118 | Guy | Himuro | GHIMURO | 515.127.4565 | 1987-07-05 | PU\_CLERK | 2600.00 | 0.00 | 114 | 30 |

| 119 | Karen | Colmenares | KCOLMENA | 515.127.4566 | 1987-07-06 | PU\_CLERK | 2500.00 | 0.00 | 114 | 30 |

| 120 | Matthew | Weiss | MWEISS | 650.123.1234 | 1987-07-07 | ST\_MAN | 8000.00 | 0.00 | 100 | 50 |

| 121 | Adam | Fripp | AFRIPP | 650.123.2234 | 1987-07-08 | ST\_MAN | 8200.00 | 0.00 | 100 | 50 |

| 122 | Payam | Kaufling | PKAUFLIN | 650.123.3234 | 1987-07-09 | ST\_MAN | 7900.00 | 0.00 | 100 | 50 |

| 123 | Shanta | Vollman | SVOLLMAN | 650.123.4234 | 1987-07-10 | ST\_MAN | 6500.00 | 0.00 | 100 | 50 |

| 124 | Kevin | Mourgos | KMOURGOS | 650.123.5234 | 1987-07-11 | ST\_MAN | 5800.00 | 0.00 | 100 | 50 |

| 125 | Julia | Nayer | JNAYER | 650.124.1214 | 1987-07-12 | ST\_CLERK | 3200.00 | 0.00 | 120 | 50 |

| 126 | Irene | Mikkilineni | IMIKKILI | 650.124.1224 | 1987-07-13 | ST\_CLERK | 2700.00 | 0.00 | 120 | 50 |

| 127 | James | Landry | JLANDRY | 650.124.1334 | 1987-07-14 | ST\_CLERK | 2400.00 | 0.00 | 120 | 50 |

| 128 | Steven | Markle | SMARKLE | 650.124.1434 | 1987-07-15 | ST\_CLERK | 2200.00 | 0.00 | 120 | 50 |

| 129 | Laura | Bissot | LBISSOT | 650.124.5234 | 1987-07-16 | ST\_CLERK | 3300.00 | 0.00 | 121 | 50 |

| 130 | Mozhe | Atkinson | MATKINSO | 650.124.6234 | 1987-07-17 | ST\_CLERK | 2800.00 | 0.00 | 121 | 50 |

| 131 | James | Marlow | JAMRLOW | 650.124.7234 | 1987-07-18 | ST\_CLERK | 2500.00 | 0.00 | 121 | 50 |

| 132 | TJ | Olson | TJOLSON | 650.124.8234 | 1987-07-19 | ST\_CLERK | 2100.00 | 0.00 | 121 | 50 |

| 133 | Jason | Mallin | JMALLIN | 650.127.1934 | 1987-07-20 | ST\_CLERK | 3300.00 | 0.00 | 122 | 50 |

| 134 | Michael | Rogers | MROGERS | 650.127.1834 | 1987-07-21 | ST\_CLERK | 2900.00 | 0.00 | 122 | 50 |

| 135 | Ki | Gee | KGEE | 650.127.1734 | 1987-07-22 | ST\_CLERK | 2400.00 | 0.00 | 122 | 50 |

| 136 | Hazel | Philtanker | HPHILTAN | 650.127.1634 | 1987-07-23 | ST\_CLERK | 2200.00 | 0.00 | 122 | 50 |

| 137 | Renske | Ladwig | RLADWIG | 650.121.1234 | 1987-07-24 | ST\_CLERK | 3600.00 | 0.00 | 123 | 50 |

| 138 | Stephen | Stiles | SSTILES | 650.121.2034 | 1987-07-25 | ST\_CLERK | 3200.00 | 0.00 | 123 | 50 |

| 139 | John | Seo | JSEO | 650.121.2019 | 1987-07-26 | ST\_CLERK | 2700.00 | 0.00 | 123 | 50 |

| 140 | Joshua | Patel | JPATEL | 650.121.1834 | 1987-07-27 | ST\_CLERK | 2500.00 | 0.00 | 123 | 50 |

| 141 | Trenna | Rajs | TRAJS | 650.121.8009 | 1987-07-28 | ST\_CLERK | 3500.00 | 0.00 | 124 | 50 |

| 142 | Curtis | Davies | CDAVIES | 650.121.2994 | 1987-07-29 | ST\_CLERK | 3100.00 | 0.00 | 124 | 50 |

| 143 | Randall | Matos | RMATOS | 650.121.2874 | 1987-07-30 | ST\_CLERK | 2600.00 | 0.00 | 124 | 50 |

| 144 | Peter | Vargas | PVARGAS | 650.121.2004 | 1987-07-31 | ST\_CLERK | 2500.00 | 0.00 | 124 | 50 |

| 145 | John | Russell | JRUSSEL | 011.44.1344.429268 | 1987-08-01 | SA\_MAN | 14000.00 | 0.40 | 100 | 80 |

| 146 | Karen | Partners | KPARTNER | 011.44.1344.467268 | 1987-08-02 | SA\_MAN | 13500.00 | 0.30 | 100 | 80 |

| 147 | Alberto | Errazuriz | AERRAZUR | 011.44.1344.429278 | 1987-08-03 | SA\_MAN | 12000.00 | 0.30 | 100 | 80 |

| 148 | Gerald | Cambrault | GCAMBRAU | 011.44.1344.619268 | 1987-08-04 | SA\_MAN | 11000.00 | 0.30 | 100 | 80 |

| 149 | Eleni | Zlotkey | EZLOTKEY | 011.44.1344.429018 | 1987-08-05 | SA\_MAN | 10500.00 | 0.20 | 100 | 80 |

| 150 | Peter | Tucker | PTUCKER | 011.44.1344.129268 | 1987-08-06 | SA\_REP | 10000.00 | 0.30 | 145 | 80 |

| 151 | David | Bernstein | DBERNSTE | 011.44.1344.345268 | 1987-08-07 | SA\_REP | 9500.00 | 0.25 | 145 | 80 |

| 152 | Peter | Hall | PHALL | 011.44.1344.478968 | 1987-08-08 | SA\_REP | 9000.00 | 0.25 | 145 | 80 |

| 153 | Christopher | Olsen | COLSEN | 011.44.1344.498718 | 1987-08-09 | SA\_REP | 8000.00 | 0.20 | 145 | 80 |

| 154 | Nanette | Cambrault | NCAMBRAU | 011.44.1344.987668 | 1987-08-10 | SA\_REP | 7500.00 | 0.20 | 145 | 80 |

| 155 | Oliver | Tuvault | OTUVAULT | 011.44.1344.486508 | 1987-08-11 | SA\_REP | 7000.00 | 0.15 | 145 | 80 |

| 156 | Janette | King | JKING | 011.44.1345.429268 | 1987-08-12 | SA\_REP | 10000.00 | 0.35 | 146 | 80 |

| 157 | Patrick | Sully | PSULLY | 011.44.1345.929268 | 1987-08-13 | SA\_REP | 9500.00 | 0.35 | 146 | 80 |

| 158 | Allan | McEwen | AMCEWEN | 011.44.1345.829268 | 1987-08-14 | SA\_REP | 9000.00 | 0.35 | 146 | 80 |

| 159 | Lindsey | Smith | LSMITH | 011.44.1345.729268 | 1987-08-15 | SA\_REP | 8000.00 | 0.30 | 146 | 80 |

| 160 | Louise | Doran | LDORAN | 011.44.1345.629268 | 1987-08-16 | SA\_REP | 7500.00 | 0.30 | 146 | 80 |

| 161 | Sarath | Sewall | SSEWALL | 011.44.1345.529268 | 1987-08-17 | SA\_REP | 7000.00 | 0.25 | 146 | 80 |

| 162 | Clara | Vishney | CVISHNEY | 011.44.1346.129268 | 1987-08-18 | SA\_REP | 10500.00 | 0.25 | 147 | 80 |

| 163 | Danielle | Greene | DGREENE | 011.44.1346.229268 | 1987-08-19 | SA\_REP | 9500.00 | 0.15 | 147 | 80 |

| 164 | Mattea | Marvins | MMARVINS | 011.44.1346.329268 | 1987-08-20 | SA\_REP | 7200.00 | 0.10 | 147 | 80 |

| 165 | David | Lee | DLEE | 011.44.1346.529268 | 1987-08-21 | SA\_REP | 6800.00 | 0.10 | 147 | 80 |

| 166 | Sundar | Ande | SANDE | 011.44.1346.629268 | 1987-08-22 | SA\_REP | 6400.00 | 0.10 | 147 | 80 |

| 167 | Amit | Banda | ABANDA | 011.44.1346.729268 | 1987-08-23 | SA\_REP | 6200.00 | 0.10 | 147 | 80 |

| 168 | Lisa | Ozer | LOZER | 011.44.1343.929268 | 1987-08-24 | SA\_REP | 11500.00 | 0.25 | 148 | 80 |

| 169 | Harrison | Bloom | HBLOOM | 011.44.1343.829268 | 1987-08-25 | SA\_REP | 10000.00 | 0.20 | 148 | 80 |

| 170 | Tayler | Fox | TFOX | 011.44.1343.729268 | 1987-08-26 | SA\_REP | 9600.00 | 0.20 | 148 | 80 |

| 171 | William | Smith | WSMITH | 011.44.1343.629268 | 1987-08-27 | SA\_REP | 7400.00 | 0.15 | 148 | 80 |

| 172 | Elizabeth | Bates | EBATES | 011.44.1343.529268 | 1987-08-28 | SA\_REP | 7300.00 | 0.15 | 148 | 80 |

| 173 | Sundita | Kumar | SKUMAR | 011.44.1343.329268 | 1987-08-29 | SA\_REP | 6100.00 | 0.10 | 148 | 80 |

| 174 | Ellen | Abel | EABEL | 011.44.1644.429267 | 1987-08-30 | SA\_REP | 11000.00 | 0.30 | 149 | 80 |

| 175 | Alyssa | Hutton | AHUTTON | 011.44.1644.429266 | 1987-08-31 | SA\_REP | 8800.00 | 0.25 | 149 | 80 |

| 176 | Jonathon | Taylor | JTAYLOR | 011.44.1644.429265 | 1987-09-01 | SA\_REP | 8600.00 | 0.20 | 149 | 80 |

| 177 | Jack | Livingston | JLIVINGS | 011.44.1644.429264 | 1987-09-02 | SA\_REP | 8400.00 | 0.20 | 149 | 80 |

| 178 | Kimberely | Grant | KGRANT | 011.44.1644.429263 | 1987-09-03 | SA\_REP | 7000.00 | 0.15 | 149 | 0 |

| 179 | Charles | Johnson | CJOHNSON | 011.44.1644.429262 | 1987-09-04 | SA\_REP | 6200.00 | 0.10 | 149 | 80 |

| 180 | Winston | Taylor | WTAYLOR | 650.507.9876 | 1987-09-05 | SH\_CLERK | 3200.00 | 0.00 | 120 | 50 |

| 181 | Jean | Fleaur | JFLEAUR | 650.507.9877 | 1987-09-06 | SH\_CLERK | 3100.00 | 0.00 | 120 | 50 |

| 182 | Martha | Sullivan | MSULLIVA | 650.507.9878 | 1987-09-07 | SH\_CLERK | 2500.00 | 0.00 | 120 | 50 |

| 183 | Girard | Geoni | GGEONI | 650.507.9879 | 1987-09-08 | SH\_CLERK | 2800.00 | 0.00 | 120 | 50 |

| 184 | Nandita | Sarchand | NSARCHAN | 650.509.1876 | 1987-09-09 | SH\_CLERK | 4200.00 | 0.00 | 121 | 50 |

| 185 | Alexis | Bull | ABULL | 650.509.2876 | 1987-09-10 | SH\_CLERK | 4100.00 | 0.00 | 121 | 50 |

| 186 | Julia | Dellinger | JDELLING | 650.509.3876 | 1987-09-11 | SH\_CLERK | 3400.00 | 0.00 | 121 | 50 |

| 187 | Anthony | Cabrio | ACABRIO | 650.509.4876 | 1987-09-12 | SH\_CLERK | 3000.00 | 0.00 | 121 | 50 |

| 188 | Kelly | Chung | KCHUNG | 650.505.1876 | 1987-09-13 | SH\_CLERK | 3800.00 | 0.00 | 122 | 50 |

| 189 | Jennifer | Dilly | JDILLY | 650.505.2876 | 1987-09-14 | SH\_CLERK | 3600.00 | 0.00 | 122 | 50 |

| 190 | Timothy | Gates | TGATES | 650.505.3876 | 1987-09-15 | SH\_CLERK | 2900.00 | 0.00 | 122 | 50 |

| 191 | Randall | Perkins | RPERKINS | 650.505.4876 | 1987-09-16 | SH\_CLERK | 2500.00 | 0.00 | 122 | 50 |

| 192 | Sarah | Bell | SBELL | 650.501.1876 | 1987-09-17 | SH\_CLERK | 4000.00 | 0.00 | 123 | 50 |

| 193 | Britney | Everett | BEVERETT | 650.501.2876 | 1987-09-18 | SH\_CLERK | 3900.00 | 0.00 | 123 | 50 |

| 194 | Samuel | McCain | SMCCAIN | 650.501.3876 | 1987-09-19 | SH\_CLERK | 3200.00 | 0.00 | 123 | 50 |

| 195 | Vance | Jones | VJONES | 650.501.4876 | 1987-09-20 | SH\_CLERK | 2800.00 | 0.00 | 123 | 50 |

| 196 | Alana | Walsh | AWALSH | 650.507.9811 | 1987-09-21 | SH\_CLERK | 3100.00 | 0.00 | 124 | 50 |

| 197 | Kevin | Feeney | KFEENEY | 650.507.9822 | 1987-09-22 | SH\_CLERK | 3000.00 | 0.00 | 124 | 50 |

| 198 | Donald | OConnell | DOCONNEL | 650.507.9833 | 1987-09-23 | SH\_CLERK | 2600.00 | 0.00 | 124 | 50 |

| 199 | Douglas | Grant | DGRANT | 650.507.9844 | 1987-09-24 | SH\_CLERK | 2600.00 | 0.00 | 124 | 50 |

| 200 | Jennifer | Whalen | JWHALEN | 515.123.4444 | 1987-09-25 | AD\_ASST | 4400.00 | 0.00 | 101 | 10 |

| 201 | Michael | Hartstein | MHARTSTE | 515.123.5555 | 1987-09-26 | MK\_MAN | 13000.00 | 0.00 | 100 | 20 |

| 202 | Pat | Fay | PFAY | 603.123.6666 | 1987-09-27 | MK\_REP | 6000.00 | 0.00 | 201 | 20 |

| 203 | Susan | Mavris | SMAVRIS | 515.123.7777 | 1987-09-28 | HR\_REP | 6500.00 | 0.00 | 101 | 40 |

| 204 | Hermann | Baer | HBAER | 515.123.8888 | 1987-09-29 | PR\_REP | 10000.00 | 0.00 | 101 | 70 |

| 205 | Shelley | Higgins | SHIGGINS | 515.123.8080 | 1987-09-30 | AC\_MGR | 12000.00 | 0.00 | 101 | 110 |

| 206 | William | Gietz | WGIETZ | 515.123.8181 | 1987-10-01 | AC\_ACCOUNT | 8300.00 | 0.00 | 205 | 110 |

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

107 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name from employees where salary>(select avg(salary) from employees);

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

| first\_name | last\_name |

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

| Steven | King |

| Neena | Kochhar |

| Lex | De Haan |

| Alexander | Hunold |

| Nancy | Greenberg |

| Daniel | Faviet |

| John | Chen |

| Ismael | Sciarra |

| Jose Manuel | Urman |

| Luis | Popp |

| Den | Raphaely |

| Matthew | Weiss |

| Adam | Fripp |

| Payam | Kaufling |

| Shanta | Vollman |

| John | Russell |

| Karen | Partners |

| Alberto | Errazuriz |

| Gerald | Cambrault |

| Eleni | Zlotkey |

| Peter | Tucker |

| David | Bernstein |

| Peter | Hall |

| Christopher | Olsen |

| Nanette | Cambrault |

| Oliver | Tuvault |

| Janette | King |

| Patrick | Sully |

| Allan | McEwen |

| Lindsey | Smith |

| Louise | Doran |

| Sarath | Sewall |

| Clara | Vishney |

| Danielle | Greene |

| Mattea | Marvins |

| David | Lee |

| Lisa | Ozer |

| Harrison | Bloom |

| Tayler | Fox |

| William | Smith |

| Elizabeth | Bates |

| Ellen | Abel |

| Alyssa | Hutton |

| Jonathon | Taylor |

| Jack | Livingston |

| Kimberely | Grant |

| Michael | Hartstein |

| Susan | Mavris |

| Hermann | Baer |

| Shelley | Higgins |

| William | Gietz |

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

51 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees where salary>(select avg(salary) from employees);

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

| first\_name | last\_name | salary |

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

| Steven | King | 24000.00 |

| Neena | Kochhar | 17000.00 |

| Lex | De Haan | 17000.00 |

| Alexander | Hunold | 9000.00 |

| Nancy | Greenberg | 12000.00 |

| Daniel | Faviet | 9000.00 |

| John | Chen | 8200.00 |

| Ismael | Sciarra | 7700.00 |

| Jose Manuel | Urman | 7800.00 |

| Luis | Popp | 6900.00 |

| Den | Raphaely | 11000.00 |

| Matthew | Weiss | 8000.00 |

| Adam | Fripp | 8200.00 |

| Payam | Kaufling | 7900.00 |

| Shanta | Vollman | 6500.00 |

| John | Russell | 14000.00 |

| Karen | Partners | 13500.00 |

| Alberto | Errazuriz | 12000.00 |

| Gerald | Cambrault | 11000.00 |

| Eleni | Zlotkey | 10500.00 |

| Peter | Tucker | 10000.00 |

| David | Bernstein | 9500.00 |

| Peter | Hall | 9000.00 |

| Christopher | Olsen | 8000.00 |

| Nanette | Cambrault | 7500.00 |

| Oliver | Tuvault | 7000.00 |

| Janette | King | 10000.00 |

| Patrick | Sully | 9500.00 |

| Allan | McEwen | 9000.00 |

| Lindsey | Smith | 8000.00 |

| Louise | Doran | 7500.00 |

| Sarath | Sewall | 7000.00 |

| Clara | Vishney | 10500.00 |

| Danielle | Greene | 9500.00 |

| Mattea | Marvins | 7200.00 |

| David | Lee | 6800.00 |

| Lisa | Ozer | 11500.00 |

| Harrison | Bloom | 10000.00 |

| Tayler | Fox | 9600.00 |

| William | Smith | 7400.00 |

| Elizabeth | Bates | 7300.00 |

| Ellen | Abel | 11000.00 |

| Alyssa | Hutton | 8800.00 |

| Jonathon | Taylor | 8600.00 |

| Jack | Livingston | 8400.00 |

| Kimberely | Grant | 7000.00 |

| Michael | Hartstein | 13000.00 |

| Susan | Mavris | 6500.00 |

| Hermann | Baer | 10000.00 |

| Shelley | Higgins | 12000.00 |

| William | Gietz | 8300.00 |

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

51 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees where salary>(select min(salary) from employees);

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

| first\_name | last\_name | salary |

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

| Steven | King | 24000.00 |

| Neena | Kochhar | 17000.00 |

| Lex | De Haan | 17000.00 |

| Alexander | Hunold | 9000.00 |

| Bruce | Ernst | 6000.00 |

| David | Austin | 4800.00 |

| Valli | Pataballa | 4800.00 |

| Diana | Lorentz | 4200.00 |

| Nancy | Greenberg | 12000.00 |

| Daniel | Faviet | 9000.00 |

| John | Chen | 8200.00 |

| Ismael | Sciarra | 7700.00 |

| Jose Manuel | Urman | 7800.00 |

| Luis | Popp | 6900.00 |

| Den | Raphaely | 11000.00 |

| Alexander | Khoo | 3100.00 |

| Shelli | Baida | 2900.00 |

| Sigal | Tobias | 2800.00 |

| Guy | Himuro | 2600.00 |

| Karen | Colmenares | 2500.00 |

| Matthew | Weiss | 8000.00 |

| Adam | Fripp | 8200.00 |

| Payam | Kaufling | 7900.00 |

| Shanta | Vollman | 6500.00 |

| Kevin | Mourgos | 5800.00 |

| Julia | Nayer | 3200.00 |

| Irene | Mikkilineni | 2700.00 |

| James | Landry | 2400.00 |

| Steven | Markle | 2200.00 |

| Laura | Bissot | 3300.00 |

| Mozhe | Atkinson | 2800.00 |

| James | Marlow | 2500.00 |

| Jason | Mallin | 3300.00 |

| Michael | Rogers | 2900.00 |

| Ki | Gee | 2400.00 |

| Hazel | Philtanker | 2200.00 |

| Renske | Ladwig | 3600.00 |

| Stephen | Stiles | 3200.00 |

| John | Seo | 2700.00 |

| Joshua | Patel | 2500.00 |

| Trenna | Rajs | 3500.00 |

| Curtis | Davies | 3100.00 |

| Randall | Matos | 2600.00 |

| Peter | Vargas | 2500.00 |

| John | Russell | 14000.00 |

| Karen | Partners | 13500.00 |

| Alberto | Errazuriz | 12000.00 |

| Gerald | Cambrault | 11000.00 |

| Eleni | Zlotkey | 10500.00 |

| Peter | Tucker | 10000.00 |

| David | Bernstein | 9500.00 |

| Peter | Hall | 9000.00 |

| Christopher | Olsen | 8000.00 |

| Nanette | Cambrault | 7500.00 |

| Oliver | Tuvault | 7000.00 |

| Janette | King | 10000.00 |

| Patrick | Sully | 9500.00 |

| Allan | McEwen | 9000.00 |

| Lindsey | Smith | 8000.00 |

| Louise | Doran | 7500.00 |

| Sarath | Sewall | 7000.00 |

| Clara | Vishney | 10500.00 |

| Danielle | Greene | 9500.00 |

| Mattea | Marvins | 7200.00 |

| David | Lee | 6800.00 |

| Sundar | Ande | 6400.00 |

| Amit | Banda | 6200.00 |

| Lisa | Ozer | 11500.00 |

| Harrison | Bloom | 10000.00 |

| Tayler | Fox | 9600.00 |

| William | Smith | 7400.00 |

| Elizabeth | Bates | 7300.00 |

| Sundita | Kumar | 6100.00 |

| Ellen | Abel | 11000.00 |

| Alyssa | Hutton | 8800.00 |

| Jonathon | Taylor | 8600.00 |

| Jack | Livingston | 8400.00 |

| Kimberely | Grant | 7000.00 |

| Charles | Johnson | 6200.00 |

| Winston | Taylor | 3200.00 |

| Jean | Fleaur | 3100.00 |

| Martha | Sullivan | 2500.00 |

| Girard | Geoni | 2800.00 |

| Nandita | Sarchand | 4200.00 |

| Alexis | Bull | 4100.00 |

| Julia | Dellinger | 3400.00 |

| Anthony | Cabrio | 3000.00 |

| Kelly | Chung | 3800.00 |

| Jennifer | Dilly | 3600.00 |

| Timothy | Gates | 2900.00 |

| Randall | Perkins | 2500.00 |

| Sarah | Bell | 4000.00 |

| Britney | Everett | 3900.00 |

| Samuel | McCain | 3200.00 |

| Vance | Jones | 2800.00 |

| Alana | Walsh | 3100.00 |

| Kevin | Feeney | 3000.00 |

| Donald | OConnell | 2600.00 |

| Douglas | Grant | 2600.00 |

| Jennifer | Whalen | 4400.00 |

| Michael | Hartstein | 13000.00 |

| Pat | Fay | 6000.00 |

| Susan | Mavris | 6500.00 |

| Hermann | Baer | 10000.00 |

| Shelley | Higgins | 12000.00 |

| William | Gietz | 8300.00 |

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

106 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees where salary=(select min(salary) from employees);

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

| first\_name | last\_name | salary |

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

| TJ | Olson | 2100.00 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> desc jobs;

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

| Field | Type | Null | Key | Default | Extra |

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

| JOB\_ID | varchar(10) | NO | PRI | | |

| JOB\_TITLE | varchar(35) | NO | | NULL | |

| MIN\_SALARY | decimal(6,0) | YES | | NULL | |

| MAX\_SALARY | decimal(6,0) | YES | | NULL | |

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

4 rows in set (0.03 sec)

MariaDB [csd2204w18]> select \* from jobs;

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

| JOB\_ID | JOB\_TITLE | MIN\_SALARY | MAX\_SALARY |

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

| AD\_PRES | President | 20000 | 40000 |

| AD\_VP | Administration Vice President | 15000 | 30000 |

| AD\_ASST | Administration Assistant | 3000 | 6000 |

| FI\_MGR | Finance Manager | 8200 | 16000 |

| FI\_ACCOUNT | Accountant | 4200 | 9000 |

| AC\_MGR | Accounting Manager | 8200 | 16000 |

| AC\_ACCOUNT | Public Accountant | 4200 | 9000 |

| SA\_MAN | Sales Manager | 10000 | 20000 |

| SA\_REP | Sales Representative | 6000 | 12000 |

| PU\_MAN | Purchasing Manager | 8000 | 15000 |

| PU\_CLERK | Purchasing Clerk | 2500 | 5500 |

| ST\_MAN | Stock Manager | 5500 | 8500 |

| ST\_CLERK | Stock Clerk | 2000 | 5000 |

| SH\_CLERK | Shipping Clerk | 2500 | 5500 |

| IT\_PROG | Programmer | 4000 | 10000 |

| MK\_MAN | Marketing Manager | 9000 | 15000 |

| MK\_REP | Marketing Representative | 4000 | 9000 |

| HR\_REP | Human Resources Representative | 4000 | 9000 |

| PR\_REP | Public Relations Representative | 4500 | 10500 |

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

19 rows in set (0.00 sec)

MariaDB [csd2204w18]> desc employee;

ERROR 1146 (42S02): Table 'csd2204w18.employee' doesn't exist

MariaDB [csd2204w18]> desc employees;

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

| Field | Type | Null | Key | Default | Extra |

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

| EMPLOYEE\_ID | decimal(6,0) | NO | PRI | 0 | |

| FIRST\_NAME | varchar(20) | YES | | NULL | |

| LAST\_NAME | varchar(25) | NO | MUL | NULL | |

| EMAIL | varchar(25) | NO | UNI | NULL | |

| PHONE\_NUMBER | varchar(20) | YES | | NULL | |

| HIRE\_DATE | date | NO | | NULL | |

| JOB\_ID | varchar(10) | NO | MUL | NULL | |

| SALARY | decimal(8,2) | YES | | NULL | |

| COMMISSION\_PCT | decimal(2,2) | YES | | NULL | |

| MANAGER\_ID | decimal(6,0) | YES | MUL | NULL | |

| DEPARTMENT\_ID | decimal(4,0) | YES | MUL | NULL | |

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

11 rows in set (0.02 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees where job\_id in (select min(salary) from jobs);

Empty set, 82 warnings (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees where salary in (select min(salary) from jobs);

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

| first\_name | last\_name | salary |

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

| Steven | King | 24000.00 |

| Neena | Kochhar | 17000.00 |

| Lex | De Haan | 17000.00 |

| Alexander | Hunold | 9000.00 |

| Bruce | Ernst | 6000.00 |

| David | Austin | 4800.00 |

| Valli | Pataballa | 4800.00 |

| Diana | Lorentz | 4200.00 |

| Nancy | Greenberg | 12000.00 |

| Daniel | Faviet | 9000.00 |

| John | Chen | 8200.00 |

| Ismael | Sciarra | 7700.00 |

| Jose Manuel | Urman | 7800.00 |

| Luis | Popp | 6900.00 |

| Den | Raphaely | 11000.00 |

| Alexander | Khoo | 3100.00 |

| Shelli | Baida | 2900.00 |

| Sigal | Tobias | 2800.00 |

| Guy | Himuro | 2600.00 |

| Karen | Colmenares | 2500.00 |

| Matthew | Weiss | 8000.00 |

| Adam | Fripp | 8200.00 |

| Payam | Kaufling | 7900.00 |

| Shanta | Vollman | 6500.00 |

| Kevin | Mourgos | 5800.00 |

| Julia | Nayer | 3200.00 |

| Irene | Mikkilineni | 2700.00 |

| James | Landry | 2400.00 |

| Steven | Markle | 2200.00 |

| Laura | Bissot | 3300.00 |

| Mozhe | Atkinson | 2800.00 |

| James | Marlow | 2500.00 |

| TJ | Olson | 2100.00 |

| Jason | Mallin | 3300.00 |

| Michael | Rogers | 2900.00 |

| Ki | Gee | 2400.00 |

| Hazel | Philtanker | 2200.00 |

| Renske | Ladwig | 3600.00 |

| Stephen | Stiles | 3200.00 |

| John | Seo | 2700.00 |

| Joshua | Patel | 2500.00 |

| Trenna | Rajs | 3500.00 |

| Curtis | Davies | 3100.00 |

| Randall | Matos | 2600.00 |

| Peter | Vargas | 2500.00 |

| John | Russell | 14000.00 |

| Karen | Partners | 13500.00 |

| Alberto | Errazuriz | 12000.00 |

| Gerald | Cambrault | 11000.00 |

| Eleni | Zlotkey | 10500.00 |

| Peter | Tucker | 10000.00 |

| David | Bernstein | 9500.00 |

| Peter | Hall | 9000.00 |

| Christopher | Olsen | 8000.00 |

| Nanette | Cambrault | 7500.00 |

| Oliver | Tuvault | 7000.00 |

| Janette | King | 10000.00 |

| Patrick | Sully | 9500.00 |

| Allan | McEwen | 9000.00 |

| Lindsey | Smith | 8000.00 |

| Louise | Doran | 7500.00 |

| Sarath | Sewall | 7000.00 |

| Clara | Vishney | 10500.00 |

| Danielle | Greene | 9500.00 |

| Mattea | Marvins | 7200.00 |

| David | Lee | 6800.00 |

| Sundar | Ande | 6400.00 |

| Amit | Banda | 6200.00 |

| Lisa | Ozer | 11500.00 |

| Harrison | Bloom | 10000.00 |

| Tayler | Fox | 9600.00 |

| William | Smith | 7400.00 |

| Elizabeth | Bates | 7300.00 |

| Sundita | Kumar | 6100.00 |

| Ellen | Abel | 11000.00 |

| Alyssa | Hutton | 8800.00 |

| Jonathon | Taylor | 8600.00 |

| Jack | Livingston | 8400.00 |

| Kimberely | Grant | 7000.00 |

| Charles | Johnson | 6200.00 |

| Winston | Taylor | 3200.00 |

| Jean | Fleaur | 3100.00 |

| Martha | Sullivan | 2500.00 |

| Girard | Geoni | 2800.00 |

| Nandita | Sarchand | 4200.00 |

| Alexis | Bull | 4100.00 |

| Julia | Dellinger | 3400.00 |

| Anthony | Cabrio | 3000.00 |

| Kelly | Chung | 3800.00 |

| Jennifer | Dilly | 3600.00 |

| Timothy | Gates | 2900.00 |

| Randall | Perkins | 2500.00 |

| Sarah | Bell | 4000.00 |

| Britney | Everett | 3900.00 |

| Samuel | McCain | 3200.00 |

| Vance | Jones | 2800.00 |

| Alana | Walsh | 3100.00 |

| Kevin | Feeney | 3000.00 |

| Donald | OConnell | 2600.00 |

| Douglas | Grant | 2600.00 |

| Jennifer | Whalen | 4400.00 |

| Michael | Hartstein | 13000.00 |

| Pat | Fay | 6000.00 |

| Susan | Mavris | 6500.00 |

| Hermann | Baer | 10000.00 |

| Shelley | Higgins | 12000.00 |

| William | Gietz | 8300.00 |

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

107 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees where salary in (select min from jobs);

ERROR 1054 (42S22): Unknown column 'min' in 'field list'

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees where salary in (select min\_salary from jobs);

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

| first\_name | last\_name | salary |

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

| Alexander | Hunold | 9000.00 |

| Bruce | Ernst | 6000.00 |

| Diana | Lorentz | 4200.00 |

| Daniel | Faviet | 9000.00 |

| John | Chen | 8200.00 |

| Karen | Colmenares | 2500.00 |

| Matthew | Weiss | 8000.00 |

| Adam | Fripp | 8200.00 |

| James | Marlow | 2500.00 |

| Joshua | Patel | 2500.00 |

| Peter | Vargas | 2500.00 |

| Peter | Tucker | 10000.00 |

| Peter | Hall | 9000.00 |

| Christopher | Olsen | 8000.00 |

| Janette | King | 10000.00 |

| Allan | McEwen | 9000.00 |

| Lindsey | Smith | 8000.00 |

| Harrison | Bloom | 10000.00 |

| Martha | Sullivan | 2500.00 |

| Nandita | Sarchand | 4200.00 |

| Anthony | Cabrio | 3000.00 |

| Randall | Perkins | 2500.00 |

| Sarah | Bell | 4000.00 |

| Kevin | Feeney | 3000.00 |

| Pat | Fay | 6000.00 |

| Hermann | Baer | 10000.00 |

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

26 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from jobs;

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

| JOB\_ID | JOB\_TITLE | MIN\_SALARY | MAX\_SALARY |

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

| AD\_PRES | President | 20000 | 40000 |

| AD\_VP | Administration Vice President | 15000 | 30000 |

| AD\_ASST | Administration Assistant | 3000 | 6000 |

| FI\_MGR | Finance Manager | 8200 | 16000 |

| FI\_ACCOUNT | Accountant | 4200 | 9000 |

| AC\_MGR | Accounting Manager | 8200 | 16000 |

| AC\_ACCOUNT | Public Accountant | 4200 | 9000 |

| SA\_MAN | Sales Manager | 10000 | 20000 |

| SA\_REP | Sales Representative | 6000 | 12000 |

| PU\_MAN | Purchasing Manager | 8000 | 15000 |

| PU\_CLERK | Purchasing Clerk | 2500 | 5500 |

| ST\_MAN | Stock Manager | 5500 | 8500 |

| ST\_CLERK | Stock Clerk | 2000 | 5000 |

| SH\_CLERK | Shipping Clerk | 2500 | 5500 |

| IT\_PROG | Programmer | 4000 | 10000 |

| MK\_MAN | Marketing Manager | 9000 | 15000 |

| MK\_REP | Marketing Representative | 4000 | 9000 |

| HR\_REP | Human Resources Representative | 4000 | 9000 |

| PR\_REP | Public Relations Representative | 4500 | 10500 |

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

19 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,salary,job\_id from employees where salary in (select min\_salary from jobs);

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

| first\_name | last\_name | salary | job\_id |

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

| Alexander | Hunold | 9000.00 | IT\_PROG |

| Bruce | Ernst | 6000.00 | IT\_PROG |

| Diana | Lorentz | 4200.00 | IT\_PROG |

| Daniel | Faviet | 9000.00 | FI\_ACCOUNT |

| John | Chen | 8200.00 | FI\_ACCOUNT |

| Karen | Colmenares | 2500.00 | PU\_CLERK |

| Matthew | Weiss | 8000.00 | ST\_MAN |

| Adam | Fripp | 8200.00 | ST\_MAN |

| James | Marlow | 2500.00 | ST\_CLERK |

| Joshua | Patel | 2500.00 | ST\_CLERK |

| Peter | Vargas | 2500.00 | ST\_CLERK |

| Peter | Tucker | 10000.00 | SA\_REP |

| Peter | Hall | 9000.00 | SA\_REP |

| Christopher | Olsen | 8000.00 | SA\_REP |

| Janette | King | 10000.00 | SA\_REP |

| Allan | McEwen | 9000.00 | SA\_REP |

| Lindsey | Smith | 8000.00 | SA\_REP |

| Harrison | Bloom | 10000.00 | SA\_REP |

| Martha | Sullivan | 2500.00 | SH\_CLERK |

| Nandita | Sarchand | 4200.00 | SH\_CLERK |

| Anthony | Cabrio | 3000.00 | SH\_CLERK |

| Randall | Perkins | 2500.00 | SH\_CLERK |

| Sarah | Bell | 4000.00 | SH\_CLERK |

| Kevin | Feeney | 3000.00 | SH\_CLERK |

| Pat | Fay | 6000.00 | MK\_REP |

| Hermann | Baer | 10000.00 | PR\_REP |

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

26 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,salary,job\_id from employees where salary in (select min(min\_salary) from jobs);

Empty set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,salary,job\_id from employees where salary =(select min\_salary from jobs where employees.job\_id=jobs.job\_id);

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

| first\_name | last\_name | salary | job\_id |

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

| Karen | Colmenares | 2500.00 | PU\_CLERK |

| Martha | Sullivan | 2500.00 | SH\_CLERK |

| Randall | Perkins | 2500.00 | SH\_CLERK |

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

3 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,salary,job\_id from employees where salary =(select min\_salary from jobs in (select distinct(job\_id));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'in (select distinct(job\_id))' at line 1

MariaDB [csd2204w18]> select first\_name,last\_name,salary,job\_id from employees where salary =(select min\_salary from jobs in (select distinct(job\_id)));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'in (select distinct(job\_id)))' at line 1

MariaDB [csd2204w18]> select \* from department;

ERROR 1146 (42S02): Table 'csd2204w18.department' doesn't exist

MariaDB [csd2204w18]> 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 | 0 | 1700 |

| 130 | Corporate Tax | 0 | 1700 |

| 140 | Control And Credit | 0 | 1700 |

| 150 | Shareholder Services | 0 | 1700 |

| 160 | Benefits | 0 | 1700 |

| 170 | Manufacturing | 0 | 1700 |

| 180 | Construction | 0 | 1700 |

| 190 | Contracting | 0 | 1700 |

| 200 | Operations | 0 | 1700 |

| 210 | IT Support | 0 | 1700 |

| 220 | NOC | 0 | 1700 |

| 230 | IT Helpdesk | 0 | 1700 |

| 240 | Government Sales | 0 | 1700 |

| 250 | Retail Sales | 0 | 1700 |

| 260 | Recruiting | 0 | 1700 |

| 270 | Payroll | 0 | 1700 |

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

27 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees where salary >(select avg(salary) from employees where department\_id from department where department name like 'it%' );

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'from department where department name like 'it%' )' at line 1

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees where salary >(select avg(salary) from employees where department\_id from department where department name like 'it%' ));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'from department where department name like 'it%' ))' at line 1

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees where salary >(select avg(salary) from employees where department\_id in (select department\_id from department where name like 'it%' ));

ERROR 1146 (42S02): Table 'csd2204w18.department' doesn't exist

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees where salary >(select avg(salary) from employees where department\_id in (select department\_id from departments where name like 'it%' ));

ERROR 1054 (42S22): Unknown column 'name' in 'where clause'

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees where salary >(select avg(salary) from employees where department\_id in (select department\_id from departments where department\_name like 'it%' ));

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

| first\_name | last\_name | salary |

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

| Steven | King | 24000.00 |

| Neena | Kochhar | 17000.00 |

| Lex | De Haan | 17000.00 |

| Alexander | Hunold | 9000.00 |

| Bruce | Ernst | 6000.00 |

| Nancy | Greenberg | 12000.00 |

| Daniel | Faviet | 9000.00 |

| John | Chen | 8200.00 |

| Ismael | Sciarra | 7700.00 |

| Jose Manuel | Urman | 7800.00 |

| Luis | Popp | 6900.00 |

| Den | Raphaely | 11000.00 |

| Matthew | Weiss | 8000.00 |

| Adam | Fripp | 8200.00 |

| Payam | Kaufling | 7900.00 |

| Shanta | Vollman | 6500.00 |

| Kevin | Mourgos | 5800.00 |

| John | Russell | 14000.00 |

| Karen | Partners | 13500.00 |

| Alberto | Errazuriz | 12000.00 |

| Gerald | Cambrault | 11000.00 |

| Eleni | Zlotkey | 10500.00 |

| Peter | Tucker | 10000.00 |

| David | Bernstein | 9500.00 |

| Peter | Hall | 9000.00 |

| Christopher | Olsen | 8000.00 |

| Nanette | Cambrault | 7500.00 |

| Oliver | Tuvault | 7000.00 |

| Janette | King | 10000.00 |

| Patrick | Sully | 9500.00 |

| Allan | McEwen | 9000.00 |

| Lindsey | Smith | 8000.00 |

| Louise | Doran | 7500.00 |

| Sarath | Sewall | 7000.00 |

| Clara | Vishney | 10500.00 |

| Danielle | Greene | 9500.00 |

| Mattea | Marvins | 7200.00 |

| David | Lee | 6800.00 |

| Sundar | Ande | 6400.00 |

| Amit | Banda | 6200.00 |

| Lisa | Ozer | 11500.00 |

| Harrison | Bloom | 10000.00 |

| Tayler | Fox | 9600.00 |

| William | Smith | 7400.00 |

| Elizabeth | Bates | 7300.00 |

| Sundita | Kumar | 6100.00 |

| Ellen | Abel | 11000.00 |

| Alyssa | Hutton | 8800.00 |

| Jonathon | Taylor | 8600.00 |

| Jack | Livingston | 8400.00 |

| Kimberely | Grant | 7000.00 |

| Charles | Johnson | 6200.00 |

| Michael | Hartstein | 13000.00 |

| Pat | Fay | 6000.00 |

| Susan | Mavris | 6500.00 |

| Hermann | Baer | 10000.00 |

| Shelley | Higgins | 12000.00 |

| William | Gietz | 8300.00 |

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

58 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees where salary >(select avg(salary) from employees and department\_id in (select department\_id from departments where department\_name like 'it%' ));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'and department\_id in (select department\_id from departments where department\_na' at line 1

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees where salary >(select avg(salary) from employees and department\_id in (select department\_id from departments where department\_name like 'it%' );

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'and department\_id in (select department\_id from departments where department\_na' at line 1

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees where salary >(select avg(salary) from employees) and department\_id in (select department\_id from departments where department\_name like 'it%' );

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

| first\_name | last\_name | salary |

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

| Alexander | Hunold | 9000.00 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees where salary >(select salary from employees where last name='bell');

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'name='bell')' at line 1

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees where salary >(select salary from employees where last\_name='bell');

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

| first\_name | last\_name | salary |

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

| Steven | King | 24000.00 |

| Neena | Kochhar | 17000.00 |

| Lex | De Haan | 17000.00 |

| Alexander | Hunold | 9000.00 |

| Bruce | Ernst | 6000.00 |

| David | Austin | 4800.00 |

| Valli | Pataballa | 4800.00 |

| Diana | Lorentz | 4200.00 |

| Nancy | Greenberg | 12000.00 |

| Daniel | Faviet | 9000.00 |

| John | Chen | 8200.00 |

| Ismael | Sciarra | 7700.00 |

| Jose Manuel | Urman | 7800.00 |

| Luis | Popp | 6900.00 |

| Den | Raphaely | 11000.00 |

| Matthew | Weiss | 8000.00 |

| Adam | Fripp | 8200.00 |

| Payam | Kaufling | 7900.00 |

| Shanta | Vollman | 6500.00 |

| Kevin | Mourgos | 5800.00 |

| John | Russell | 14000.00 |

| Karen | Partners | 13500.00 |

| Alberto | Errazuriz | 12000.00 |

| Gerald | Cambrault | 11000.00 |

| Eleni | Zlotkey | 10500.00 |

| Peter | Tucker | 10000.00 |

| David | Bernstein | 9500.00 |

| Peter | Hall | 9000.00 |

| Christopher | Olsen | 8000.00 |

| Nanette | Cambrault | 7500.00 |

| Oliver | Tuvault | 7000.00 |

| Janette | King | 10000.00 |

| Patrick | Sully | 9500.00 |

| Allan | McEwen | 9000.00 |

| Lindsey | Smith | 8000.00 |

| Louise | Doran | 7500.00 |

| Sarath | Sewall | 7000.00 |

| Clara | Vishney | 10500.00 |

| Danielle | Greene | 9500.00 |

| Mattea | Marvins | 7200.00 |

| David | Lee | 6800.00 |

| Sundar | Ande | 6400.00 |

| Amit | Banda | 6200.00 |

| Lisa | Ozer | 11500.00 |

| Harrison | Bloom | 10000.00 |

| Tayler | Fox | 9600.00 |

| William | Smith | 7400.00 |

| Elizabeth | Bates | 7300.00 |

| Sundita | Kumar | 6100.00 |

| Ellen | Abel | 11000.00 |

| Alyssa | Hutton | 8800.00 |

| Jonathon | Taylor | 8600.00 |

| Jack | Livingston | 8400.00 |

| Kimberely | Grant | 7000.00 |

| Charles | Johnson | 6200.00 |

| Nandita | Sarchand | 4200.00 |

| Alexis | Bull | 4100.00 |

| Jennifer | Whalen | 4400.00 |

| Michael | Hartstein | 13000.00 |

| Pat | Fay | 6000.00 |

| Susan | Mavris | 6500.00 |

| Hermann | Baer | 10000.00 |

| Shelley | Higgins | 12000.00 |

| William | Gietz | 8300.00 |

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

64 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,salary,job\_id from employees where salary in (select min\_salary from jobs);

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

| first\_name | last\_name | salary | job\_id |

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

| Alexander | Hunold | 9000.00 | IT\_PROG |

| Bruce | Ernst | 6000.00 | IT\_PROG |

| Diana | Lorentz | 4200.00 | IT\_PROG |

| Daniel | Faviet | 9000.00 | FI\_ACCOUNT |

| John | Chen | 8200.00 | FI\_ACCOUNT |

| Karen | Colmenares | 2500.00 | PU\_CLERK |

| Matthew | Weiss | 8000.00 | ST\_MAN |

| Adam | Fripp | 8200.00 | ST\_MAN |

| James | Marlow | 2500.00 | ST\_CLERK |

| Joshua | Patel | 2500.00 | ST\_CLERK |

| Peter | Vargas | 2500.00 | ST\_CLERK |

| Peter | Tucker | 10000.00 | SA\_REP |

| Peter | Hall | 9000.00 | SA\_REP |

| Christopher | Olsen | 8000.00 | SA\_REP |

| Janette | King | 10000.00 | SA\_REP |

| Allan | McEwen | 9000.00 | SA\_REP |

| Lindsey | Smith | 8000.00 | SA\_REP |

| Harrison | Bloom | 10000.00 | SA\_REP |

| Martha | Sullivan | 2500.00 | SH\_CLERK |

| Nandita | Sarchand | 4200.00 | SH\_CLERK |

| Anthony | Cabrio | 3000.00 | SH\_CLERK |

| Randall | Perkins | 2500.00 | SH\_CLERK |

| Sarah | Bell | 4000.00 | SH\_CLERK |

| Kevin | Feeney | 3000.00 | SH\_CLERK |

| Pat | Fay | 6000.00 | MK\_REP |

| Hermann | Baer | 10000.00 | PR\_REP |

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

26 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,salary,job\_id from employees where salary in (select min(min\_salary) from jobs);

Empty set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,salary,job\_id from employees where salary =(select (min\_salary+1000) from jobs);

ERROR 1242 (21000): Subquery returns more than 1 row

MariaDB [csd2204w18]> select first\_name,last\_name,salary,job\_id from employees where salary in (select (min\_salary+1000) from jobs);

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

| first\_name | last\_name | salary | job\_id |

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

| Alexander | Hunold | 9000.00 | IT\_PROG |

| Daniel | Faviet | 9000.00 | FI\_ACCOUNT |

| Den | Raphaely | 11000.00 | PU\_MAN |

| Shanta | Vollman | 6500.00 | ST\_MAN |

| Trenna | Rajs | 3500.00 | ST\_CLERK |

| Gerald | Cambrault | 11000.00 | SA\_MAN |

| Peter | Tucker | 10000.00 | SA\_REP |

| Peter | Hall | 9000.00 | SA\_REP |

| Oliver | Tuvault | 7000.00 | SA\_REP |

| Janette | King | 10000.00 | SA\_REP |

| Allan | McEwen | 9000.00 | SA\_REP |

| Sarath | Sewall | 7000.00 | SA\_REP |

| Harrison | Bloom | 10000.00 | SA\_REP |

| Ellen | Abel | 11000.00 | SA\_REP |

| Kimberely | Grant | 7000.00 | SA\_REP |

| Anthony | Cabrio | 3000.00 | SH\_CLERK |

| Sarah | Bell | 4000.00 | SH\_CLERK |

| Kevin | Feeney | 3000.00 | SH\_CLERK |

| Susan | Mavris | 6500.00 | HR\_REP |

| Hermann | Baer | 10000.00 | PR\_REP |

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

20 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,salary,job\_id from employees where salary in (select min(min\_salary)+1000 from jobs);

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

| first\_name | last\_name | salary | job\_id |

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

| Anthony | Cabrio | 3000.00 | SH\_CLERK |

| Kevin | Feeney | 3000.00 | SH\_CLERK |

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

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees where salary >(select max(salary) from employees where job\_id='sh\_clerk')order by salary;

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

| first\_name | last\_name | salary |

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

| Jennifer | Whalen | 4400.00 |

| David | Austin | 4800.00 |

| Valli | Pataballa | 4800.00 |

| Kevin | Mourgos | 5800.00 |

| Bruce | Ernst | 6000.00 |

| Pat | Fay | 6000.00 |

| Sundita | Kumar | 6100.00 |

| Amit | Banda | 6200.00 |

| Charles | Johnson | 6200.00 |

| Sundar | Ande | 6400.00 |

| Susan | Mavris | 6500.00 |

| Shanta | Vollman | 6500.00 |

| David | Lee | 6800.00 |

| Luis | Popp | 6900.00 |

| Sarath | Sewall | 7000.00 |

| Oliver | Tuvault | 7000.00 |

| Kimberely | Grant | 7000.00 |

| Mattea | Marvins | 7200.00 |

| Elizabeth | Bates | 7300.00 |

| William | Smith | 7400.00 |

| Nanette | Cambrault | 7500.00 |

| Louise | Doran | 7500.00 |

| Ismael | Sciarra | 7700.00 |

| Jose Manuel | Urman | 7800.00 |

| Payam | Kaufling | 7900.00 |

| Lindsey | Smith | 8000.00 |

| Matthew | Weiss | 8000.00 |

| Christopher | Olsen | 8000.00 |

| Adam | Fripp | 8200.00 |

| John | Chen | 8200.00 |

| William | Gietz | 8300.00 |

| Jack | Livingston | 8400.00 |

| Jonathon | Taylor | 8600.00 |

| Alyssa | Hutton | 8800.00 |

| Allan | McEwen | 9000.00 |

| Peter | Hall | 9000.00 |

| Alexander | Hunold | 9000.00 |

| Daniel | Faviet | 9000.00 |

| Patrick | Sully | 9500.00 |

| Danielle | Greene | 9500.00 |

| David | Bernstein | 9500.00 |

| Tayler | Fox | 9600.00 |

| Hermann | Baer | 10000.00 |

| Harrison | Bloom | 10000.00 |

| Janette | King | 10000.00 |

| Peter | Tucker | 10000.00 |

| Eleni | Zlotkey | 10500.00 |

| Clara | Vishney | 10500.00 |

| Gerald | Cambrault | 11000.00 |

| Ellen | Abel | 11000.00 |

| Den | Raphaely | 11000.00 |

| Lisa | Ozer | 11500.00 |

| Alberto | Errazuriz | 12000.00 |

| Shelley | Higgins | 12000.00 |

| Nancy | Greenberg | 12000.00 |

| Michael | Hartstein | 13000.00 |

| Karen | Partners | 13500.00 |

| John | Russell | 14000.00 |

| Lex | De Haan | 17000.00 |

| Neena | Kochhar | 17000.00 |

| Steven | King | 24000.00 |

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

61 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees where salary >(select salary from employees where job\_id='sh\_clerk')order by salary;

ERROR 1242 (21000): Subquery returns more than 1 row

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees where salary > all(select salary from employees where job\_id='sh\_clerk')order by salary;

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

| first\_name | last\_name | salary |

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

| Jennifer | Whalen | 4400.00 |

| David | Austin | 4800.00 |

| Valli | Pataballa | 4800.00 |

| Kevin | Mourgos | 5800.00 |

| Bruce | Ernst | 6000.00 |

| Pat | Fay | 6000.00 |

| Sundita | Kumar | 6100.00 |

| Amit | Banda | 6200.00 |

| Charles | Johnson | 6200.00 |

| Sundar | Ande | 6400.00 |

| Susan | Mavris | 6500.00 |

| Shanta | Vollman | 6500.00 |

| David | Lee | 6800.00 |

| Luis | Popp | 6900.00 |

| Sarath | Sewall | 7000.00 |

| Oliver | Tuvault | 7000.00 |

| Kimberely | Grant | 7000.00 |

| Mattea | Marvins | 7200.00 |

| Elizabeth | Bates | 7300.00 |

| William | Smith | 7400.00 |

| Nanette | Cambrault | 7500.00 |

| Louise | Doran | 7500.00 |

| Ismael | Sciarra | 7700.00 |

| Jose Manuel | Urman | 7800.00 |

| Payam | Kaufling | 7900.00 |

| Lindsey | Smith | 8000.00 |

| Matthew | Weiss | 8000.00 |

| Christopher | Olsen | 8000.00 |

| Adam | Fripp | 8200.00 |

| John | Chen | 8200.00 |

| William | Gietz | 8300.00 |

| Jack | Livingston | 8400.00 |

| Jonathon | Taylor | 8600.00 |

| Alyssa | Hutton | 8800.00 |

| Allan | McEwen | 9000.00 |

| Peter | Hall | 9000.00 |

| Alexander | Hunold | 9000.00 |

| Daniel | Faviet | 9000.00 |

| Patrick | Sully | 9500.00 |

| Danielle | Greene | 9500.00 |

| David | Bernstein | 9500.00 |

| Tayler | Fox | 9600.00 |

| Hermann | Baer | 10000.00 |

| Harrison | Bloom | 10000.00 |

| Janette | King | 10000.00 |

| Peter | Tucker | 10000.00 |

| Eleni | Zlotkey | 10500.00 |

| Clara | Vishney | 10500.00 |

| Gerald | Cambrault | 11000.00 |

| Ellen | Abel | 11000.00 |

| Den | Raphaely | 11000.00 |

| Lisa | Ozer | 11500.00 |

| Alberto | Errazuriz | 12000.00 |

| Shelley | Higgins | 12000.00 |

| Nancy | Greenberg | 12000.00 |

| Michael | Hartstein | 13000.00 |

| Karen | Partners | 13500.00 |

| John | Russell | 14000.00 |

| Lex | De Haan | 17000.00 |

| Neena | Kochhar | 17000.00 |

| Steven | King | 24000.00 |

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

61 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees where salary > (select max(salary) from employees where job\_id='sh\_clerk')order by salary;

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

| first\_name | last\_name | salary |

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

| Jennifer | Whalen | 4400.00 |

| David | Austin | 4800.00 |

| Valli | Pataballa | 4800.00 |

| Kevin | Mourgos | 5800.00 |

| Bruce | Ernst | 6000.00 |

| Pat | Fay | 6000.00 |

| Sundita | Kumar | 6100.00 |

| Amit | Banda | 6200.00 |

| Charles | Johnson | 6200.00 |

| Sundar | Ande | 6400.00 |

| Susan | Mavris | 6500.00 |

| Shanta | Vollman | 6500.00 |

| David | Lee | 6800.00 |

| Luis | Popp | 6900.00 |

| Sarath | Sewall | 7000.00 |

| Oliver | Tuvault | 7000.00 |

| Kimberely | Grant | 7000.00 |

| Mattea | Marvins | 7200.00 |

| Elizabeth | Bates | 7300.00 |

| William | Smith | 7400.00 |

| Nanette | Cambrault | 7500.00 |

| Louise | Doran | 7500.00 |

| Ismael | Sciarra | 7700.00 |

| Jose Manuel | Urman | 7800.00 |

| Payam | Kaufling | 7900.00 |

| Lindsey | Smith | 8000.00 |

| Matthew | Weiss | 8000.00 |

| Christopher | Olsen | 8000.00 |

| Adam | Fripp | 8200.00 |

| John | Chen | 8200.00 |

| William | Gietz | 8300.00 |

| Jack | Livingston | 8400.00 |

| Jonathon | Taylor | 8600.00 |

| Alyssa | Hutton | 8800.00 |

| Allan | McEwen | 9000.00 |

| Peter | Hall | 9000.00 |

| Alexander | Hunold | 9000.00 |

| Daniel | Faviet | 9000.00 |

| Patrick | Sully | 9500.00 |

| Danielle | Greene | 9500.00 |

| David | Bernstein | 9500.00 |

| Tayler | Fox | 9600.00 |

| Hermann | Baer | 10000.00 |

| Harrison | Bloom | 10000.00 |

| Janette | King | 10000.00 |

| Peter | Tucker | 10000.00 |

| Eleni | Zlotkey | 10500.00 |

| Clara | Vishney | 10500.00 |

| Gerald | Cambrault | 11000.00 |

| Ellen | Abel | 11000.00 |

| Den | Raphaely | 11000.00 |

| Lisa | Ozer | 11500.00 |

| Alberto | Errazuriz | 12000.00 |

| Shelley | Higgins | 12000.00 |

| Nancy | Greenberg | 12000.00 |

| Michael | Hartstein | 13000.00 |

| Karen | Partners | 13500.00 |

| John | Russell | 14000.00 |

| Lex | De Haan | 17000.00 |

| Neena | Kochhar | 17000.00 |

| Steven | King | 24000.00 |

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

61 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.first\_name,b.last\_name from employees b where not exists(select 'x' from employees a where a.manager\_id=b.employee\_id);

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

| first\_name | last\_name |

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

| Bruce | Ernst |

| David | Austin |

| Valli | Pataballa |

| Diana | Lorentz |

| Daniel | Faviet |

| John | Chen |

| Ismael | Sciarra |

| Jose Manuel | Urman |

| Luis | Popp |

| Alexander | Khoo |

| Shelli | Baida |

| Sigal | Tobias |

| Guy | Himuro |

| Karen | Colmenares |

| Julia | Nayer |

| Irene | Mikkilineni |

| James | Landry |

| Steven | Markle |

| Laura | Bissot |

| Mozhe | Atkinson |

| James | Marlow |

| TJ | Olson |

| Jason | Mallin |

| Michael | Rogers |

| Ki | Gee |

| Hazel | Philtanker |

| Renske | Ladwig |

| Stephen | Stiles |

| John | Seo |

| Joshua | Patel |

| Trenna | Rajs |

| Curtis | Davies |

| Randall | Matos |

| Peter | Vargas |

| Peter | Tucker |

| David | Bernstein |

| Peter | Hall |

| Christopher | Olsen |

| Nanette | Cambrault |

| Oliver | Tuvault |

| Janette | King |

| Patrick | Sully |

| Allan | McEwen |

| Lindsey | Smith |

| Louise | Doran |

| Sarath | Sewall |

| Clara | Vishney |

| Danielle | Greene |

| Mattea | Marvins |

| David | Lee |

| Sundar | Ande |

| Amit | Banda |

| Lisa | Ozer |

| Harrison | Bloom |

| Tayler | Fox |

| William | Smith |

| Elizabeth | Bates |

| Sundita | Kumar |

| Ellen | Abel |

| Alyssa | Hutton |

| Jonathon | Taylor |

| Jack | Livingston |

| Kimberely | Grant |

| Charles | Johnson |

| Winston | Taylor |

| Jean | Fleaur |

| Martha | Sullivan |

| Girard | Geoni |

| Nandita | Sarchand |

| Alexis | Bull |

| Julia | Dellinger |

| Anthony | Cabrio |

| Kelly | Chung |

| Jennifer | Dilly |

| Timothy | Gates |

| Randall | Perkins |

| Sarah | Bell |

| Britney | Everett |

| Samuel | McCain |

| Vance | Jones |

| Alana | Walsh |

| Kevin | Feeney |

| Donald | OConnell |

| Douglas | Grant |

| Jennifer | Whalen |

| Pat | Fay |

| Susan | Mavris |

| Hermann | Baer |

| William | Gietz |

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

89 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.first\_name,b.last\_name,manager\_id from employees b where not exists(select 'x' from employees a where a.manager\_id=b.employee\_id);

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

| first\_name | last\_name | manager\_id |

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

| Bruce | Ernst | 103 |

| David | Austin | 103 |

| Valli | Pataballa | 103 |

| Diana | Lorentz | 103 |

| Daniel | Faviet | 108 |

| John | Chen | 108 |

| Ismael | Sciarra | 108 |

| Jose Manuel | Urman | 108 |

| Luis | Popp | 108 |

| Alexander | Khoo | 114 |

| Shelli | Baida | 114 |

| Sigal | Tobias | 114 |

| Guy | Himuro | 114 |

| Karen | Colmenares | 114 |

| Julia | Nayer | 120 |

| Irene | Mikkilineni | 120 |

| James | Landry | 120 |

| Steven | Markle | 120 |

| Laura | Bissot | 121 |

| Mozhe | Atkinson | 121 |

| James | Marlow | 121 |

| TJ | Olson | 121 |

| Jason | Mallin | 122 |

| Michael | Rogers | 122 |

| Ki | Gee | 122 |

| Hazel | Philtanker | 122 |

| Renske | Ladwig | 123 |

| Stephen | Stiles | 123 |

| John | Seo | 123 |

| Joshua | Patel | 123 |

| Trenna | Rajs | 124 |

| Curtis | Davies | 124 |

| Randall | Matos | 124 |

| Peter | Vargas | 124 |

| Peter | Tucker | 145 |

| David | Bernstein | 145 |

| Peter | Hall | 145 |

| Christopher | Olsen | 145 |

| Nanette | Cambrault | 145 |

| Oliver | Tuvault | 145 |

| Janette | King | 146 |

| Patrick | Sully | 146 |

| Allan | McEwen | 146 |

| Lindsey | Smith | 146 |

| Louise | Doran | 146 |

| Sarath | Sewall | 146 |

| Clara | Vishney | 147 |

| Danielle | Greene | 147 |

| Mattea | Marvins | 147 |

| David | Lee | 147 |

| Sundar | Ande | 147 |

| Amit | Banda | 147 |

| Lisa | Ozer | 148 |

| Harrison | Bloom | 148 |

| Tayler | Fox | 148 |

| William | Smith | 148 |

| Elizabeth | Bates | 148 |

| Sundita | Kumar | 148 |

| Ellen | Abel | 149 |

| Alyssa | Hutton | 149 |

| Jonathon | Taylor | 149 |

| Jack | Livingston | 149 |

| Kimberely | Grant | 149 |

| Charles | Johnson | 149 |

| Winston | Taylor | 120 |

| Jean | Fleaur | 120 |

| Martha | Sullivan | 120 |

| Girard | Geoni | 120 |

| Nandita | Sarchand | 121 |

| Alexis | Bull | 121 |

| Julia | Dellinger | 121 |

| Anthony | Cabrio | 121 |

| Kelly | Chung | 122 |

| Jennifer | Dilly | 122 |

| Timothy | Gates | 122 |

| Randall | Perkins | 122 |

| Sarah | Bell | 123 |

| Britney | Everett | 123 |

| Samuel | McCain | 123 |

| Vance | Jones | 123 |

| Alana | Walsh | 124 |

| Kevin | Feeney | 124 |

| Donald | OConnell | 124 |

| Douglas | Grant | 124 |

| Jennifer | Whalen | 101 |

| Pat | Fay | 201 |

| Susan | Mavris | 101 |

| Hermann | Baer | 101 |

| William | Gietz | 205 |

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

89 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.first\_name,b.last\_name from employees b where not exists(select 'x' from employees a where a.manager\_id=b.employee\_id);

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

| first\_name | last\_name |

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

| Bruce | Ernst |

| David | Austin |

| Valli | Pataballa |

| Diana | Lorentz |

| Daniel | Faviet |

| John | Chen |

| Ismael | Sciarra |

| Jose Manuel | Urman |

| Luis | Popp |

| Alexander | Khoo |

| Shelli | Baida |

| Sigal | Tobias |

| Guy | Himuro |

| Karen | Colmenares |

| Julia | Nayer |

| Irene | Mikkilineni |

| James | Landry |

| Steven | Markle |

| Laura | Bissot |

| Mozhe | Atkinson |

| James | Marlow |

| TJ | Olson |

| Jason | Mallin |

| Michael | Rogers |

| Ki | Gee |

| Hazel | Philtanker |

| Renske | Ladwig |

| Stephen | Stiles |

| John | Seo |

| Joshua | Patel |

| Trenna | Rajs |

| Curtis | Davies |

| Randall | Matos |

| Peter | Vargas |

| Peter | Tucker |

| David | Bernstein |

| Peter | Hall |

| Christopher | Olsen |

| Nanette | Cambrault |

| Oliver | Tuvault |

| Janette | King |

| Patrick | Sully |

| Allan | McEwen |

| Lindsey | Smith |

| Louise | Doran |

| Sarath | Sewall |

| Clara | Vishney |

| Danielle | Greene |

| Mattea | Marvins |

| David | Lee |

| Sundar | Ande |

| Amit | Banda |

| Lisa | Ozer |

| Harrison | Bloom |

| Tayler | Fox |

| William | Smith |

| Elizabeth | Bates |

| Sundita | Kumar |

| Ellen | Abel |

| Alyssa | Hutton |

| Jonathon | Taylor |

| Jack | Livingston |

| Kimberely | Grant |

| Charles | Johnson |

| Winston | Taylor |

| Jean | Fleaur |

| Martha | Sullivan |

| Girard | Geoni |

| Nandita | Sarchand |

| Alexis | Bull |

| Julia | Dellinger |

| Anthony | Cabrio |

| Kelly | Chung |

| Jennifer | Dilly |

| Timothy | Gates |

| Randall | Perkins |

| Sarah | Bell |

| Britney | Everett |

| Samuel | McCain |

| Vance | Jones |

| Alana | Walsh |

| Kevin | Feeney |

| Donald | OConnell |

| Douglas | Grant |

| Jennifer | Whalen |

| Pat | Fay |

| Susan | Mavris |

| Hermann | Baer |

| William | Gietz |

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

89 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from employees b where not exists(select 'x' from employees a where a.manager\_id=b.employee\_id);

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

| EMPLOYEE\_ID | FIRST\_NAME | LAST\_NAME | EMAIL | PHONE\_NUMBER | HIRE\_DATE | JOB\_ID | SALARY | COMMISSION\_PCT | MANAGER\_ID | DEPARTMENT\_ID |

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

| 104 | Bruce | Ernst | BERNST | 590.423.4568 | 1987-06-21 | IT\_PROG | 6000.00 | 0.00 | 103 | 60 |

| 105 | David | Austin | DAUSTIN | 590.423.4569 | 1987-06-22 | IT\_PROG | 4800.00 | 0.00 | 103 | 60 |

| 106 | Valli | Pataballa | VPATABAL | 590.423.4560 | 1987-06-23 | IT\_PROG | 4800.00 | 0.00 | 103 | 60 |

| 107 | Diana | Lorentz | DLORENTZ | 590.423.5567 | 1987-06-24 | IT\_PROG | 4200.00 | 0.00 | 103 | 60 |

| 109 | Daniel | Faviet | DFAVIET | 515.124.4169 | 1987-06-26 | FI\_ACCOUNT | 9000.00 | 0.00 | 108 | 100 |

| 110 | John | Chen | JCHEN | 515.124.4269 | 1987-06-27 | FI\_ACCOUNT | 8200.00 | 0.00 | 108 | 100 |

| 111 | Ismael | Sciarra | ISCIARRA | 515.124.4369 | 1987-06-28 | FI\_ACCOUNT | 7700.00 | 0.00 | 108 | 100 |

| 112 | Jose Manuel | Urman | JMURMAN | 515.124.4469 | 1987-06-29 | FI\_ACCOUNT | 7800.00 | 0.00 | 108 | 100 |

| 113 | Luis | Popp | LPOPP | 515.124.4567 | 1987-06-30 | FI\_ACCOUNT | 6900.00 | 0.00 | 108 | 100 |

| 115 | Alexander | Khoo | AKHOO | 515.127.4562 | 1987-07-02 | PU\_CLERK | 3100.00 | 0.00 | 114 | 30 |

| 116 | Shelli | Baida | SBAIDA | 515.127.4563 | 1987-07-03 | PU\_CLERK | 2900.00 | 0.00 | 114 | 30 |

| 117 | Sigal | Tobias | STOBIAS | 515.127.4564 | 1987-07-04 | PU\_CLERK | 2800.00 | 0.00 | 114 | 30 |

| 118 | Guy | Himuro | GHIMURO | 515.127.4565 | 1987-07-05 | PU\_CLERK | 2600.00 | 0.00 | 114 | 30 |

| 119 | Karen | Colmenares | KCOLMENA | 515.127.4566 | 1987-07-06 | PU\_CLERK | 2500.00 | 0.00 | 114 | 30 |

| 125 | Julia | Nayer | JNAYER | 650.124.1214 | 1987-07-12 | ST\_CLERK | 3200.00 | 0.00 | 120 | 50 |

| 126 | Irene | Mikkilineni | IMIKKILI | 650.124.1224 | 1987-07-13 | ST\_CLERK | 2700.00 | 0.00 | 120 | 50 |

| 127 | James | Landry | JLANDRY | 650.124.1334 | 1987-07-14 | ST\_CLERK | 2400.00 | 0.00 | 120 | 50 |

| 128 | Steven | Markle | SMARKLE | 650.124.1434 | 1987-07-15 | ST\_CLERK | 2200.00 | 0.00 | 120 | 50 |

| 129 | Laura | Bissot | LBISSOT | 650.124.5234 | 1987-07-16 | ST\_CLERK | 3300.00 | 0.00 | 121 | 50 |

| 130 | Mozhe | Atkinson | MATKINSO | 650.124.6234 | 1987-07-17 | ST\_CLERK | 2800.00 | 0.00 | 121 | 50 |

| 131 | James | Marlow | JAMRLOW | 650.124.7234 | 1987-07-18 | ST\_CLERK | 2500.00 | 0.00 | 121 | 50 |

| 132 | TJ | Olson | TJOLSON | 650.124.8234 | 1987-07-19 | ST\_CLERK | 2100.00 | 0.00 | 121 | 50 |

| 133 | Jason | Mallin | JMALLIN | 650.127.1934 | 1987-07-20 | ST\_CLERK | 3300.00 | 0.00 | 122 | 50 |

| 134 | Michael | Rogers | MROGERS | 650.127.1834 | 1987-07-21 | ST\_CLERK | 2900.00 | 0.00 | 122 | 50 |

| 135 | Ki | Gee | KGEE | 650.127.1734 | 1987-07-22 | ST\_CLERK | 2400.00 | 0.00 | 122 | 50 |

| 136 | Hazel | Philtanker | HPHILTAN | 650.127.1634 | 1987-07-23 | ST\_CLERK | 2200.00 | 0.00 | 122 | 50 |

| 137 | Renske | Ladwig | RLADWIG | 650.121.1234 | 1987-07-24 | ST\_CLERK | 3600.00 | 0.00 | 123 | 50 |

| 138 | Stephen | Stiles | SSTILES | 650.121.2034 | 1987-07-25 | ST\_CLERK | 3200.00 | 0.00 | 123 | 50 |

| 139 | John | Seo | JSEO | 650.121.2019 | 1987-07-26 | ST\_CLERK | 2700.00 | 0.00 | 123 | 50 |

| 140 | Joshua | Patel | JPATEL | 650.121.1834 | 1987-07-27 | ST\_CLERK | 2500.00 | 0.00 | 123 | 50 |

| 141 | Trenna | Rajs | TRAJS | 650.121.8009 | 1987-07-28 | ST\_CLERK | 3500.00 | 0.00 | 124 | 50 |

| 142 | Curtis | Davies | CDAVIES | 650.121.2994 | 1987-07-29 | ST\_CLERK | 3100.00 | 0.00 | 124 | 50 |

| 143 | Randall | Matos | RMATOS | 650.121.2874 | 1987-07-30 | ST\_CLERK | 2600.00 | 0.00 | 124 | 50 |

| 144 | Peter | Vargas | PVARGAS | 650.121.2004 | 1987-07-31 | ST\_CLERK | 2500.00 | 0.00 | 124 | 50 |

| 150 | Peter | Tucker | PTUCKER | 011.44.1344.129268 | 1987-08-06 | SA\_REP | 10000.00 | 0.30 | 145 | 80 |

| 151 | David | Bernstein | DBERNSTE | 011.44.1344.345268 | 1987-08-07 | SA\_REP | 9500.00 | 0.25 | 145 | 80 |

| 152 | Peter | Hall | PHALL | 011.44.1344.478968 | 1987-08-08 | SA\_REP | 9000.00 | 0.25 | 145 | 80 |

| 153 | Christopher | Olsen | COLSEN | 011.44.1344.498718 | 1987-08-09 | SA\_REP | 8000.00 | 0.20 | 145 | 80 |

| 154 | Nanette | Cambrault | NCAMBRAU | 011.44.1344.987668 | 1987-08-10 | SA\_REP | 7500.00 | 0.20 | 145 | 80 |

| 155 | Oliver | Tuvault | OTUVAULT | 011.44.1344.486508 | 1987-08-11 | SA\_REP | 7000.00 | 0.15 | 145 | 80 |

| 156 | Janette | King | JKING | 011.44.1345.429268 | 1987-08-12 | SA\_REP | 10000.00 | 0.35 | 146 | 80 |

| 157 | Patrick | Sully | PSULLY | 011.44.1345.929268 | 1987-08-13 | SA\_REP | 9500.00 | 0.35 | 146 | 80 |

| 158 | Allan | McEwen | AMCEWEN | 011.44.1345.829268 | 1987-08-14 | SA\_REP | 9000.00 | 0.35 | 146 | 80 |

| 159 | Lindsey | Smith | LSMITH | 011.44.1345.729268 | 1987-08-15 | SA\_REP | 8000.00 | 0.30 | 146 | 80 |

| 160 | Louise | Doran | LDORAN | 011.44.1345.629268 | 1987-08-16 | SA\_REP | 7500.00 | 0.30 | 146 | 80 |

| 161 | Sarath | Sewall | SSEWALL | 011.44.1345.529268 | 1987-08-17 | SA\_REP | 7000.00 | 0.25 | 146 | 80 |

| 162 | Clara | Vishney | CVISHNEY | 011.44.1346.129268 | 1987-08-18 | SA\_REP | 10500.00 | 0.25 | 147 | 80 |

| 163 | Danielle | Greene | DGREENE | 011.44.1346.229268 | 1987-08-19 | SA\_REP | 9500.00 | 0.15 | 147 | 80 |

| 164 | Mattea | Marvins | MMARVINS | 011.44.1346.329268 | 1987-08-20 | SA\_REP | 7200.00 | 0.10 | 147 | 80 |

| 165 | David | Lee | DLEE | 011.44.1346.529268 | 1987-08-21 | SA\_REP | 6800.00 | 0.10 | 147 | 80 |

| 166 | Sundar | Ande | SANDE | 011.44.1346.629268 | 1987-08-22 | SA\_REP | 6400.00 | 0.10 | 147 | 80 |

| 167 | Amit | Banda | ABANDA | 011.44.1346.729268 | 1987-08-23 | SA\_REP | 6200.00 | 0.10 | 147 | 80 |

| 168 | Lisa | Ozer | LOZER | 011.44.1343.929268 | 1987-08-24 | SA\_REP | 11500.00 | 0.25 | 148 | 80 |

| 169 | Harrison | Bloom | HBLOOM | 011.44.1343.829268 | 1987-08-25 | SA\_REP | 10000.00 | 0.20 | 148 | 80 |

| 170 | Tayler | Fox | TFOX | 011.44.1343.729268 | 1987-08-26 | SA\_REP | 9600.00 | 0.20 | 148 | 80 |

| 171 | William | Smith | WSMITH | 011.44.1343.629268 | 1987-08-27 | SA\_REP | 7400.00 | 0.15 | 148 | 80 |

| 172 | Elizabeth | Bates | EBATES | 011.44.1343.529268 | 1987-08-28 | SA\_REP | 7300.00 | 0.15 | 148 | 80 |

| 173 | Sundita | Kumar | SKUMAR | 011.44.1343.329268 | 1987-08-29 | SA\_REP | 6100.00 | 0.10 | 148 | 80 |

| 174 | Ellen | Abel | EABEL | 011.44.1644.429267 | 1987-08-30 | SA\_REP | 11000.00 | 0.30 | 149 | 80 |

| 175 | Alyssa | Hutton | AHUTTON | 011.44.1644.429266 | 1987-08-31 | SA\_REP | 8800.00 | 0.25 | 149 | 80 |

| 176 | Jonathon | Taylor | JTAYLOR | 011.44.1644.429265 | 1987-09-01 | SA\_REP | 8600.00 | 0.20 | 149 | 80 |

| 177 | Jack | Livingston | JLIVINGS | 011.44.1644.429264 | 1987-09-02 | SA\_REP | 8400.00 | 0.20 | 149 | 80 |

| 178 | Kimberely | Grant | KGRANT | 011.44.1644.429263 | 1987-09-03 | SA\_REP | 7000.00 | 0.15 | 149 | 0 |

| 179 | Charles | Johnson | CJOHNSON | 011.44.1644.429262 | 1987-09-04 | SA\_REP | 6200.00 | 0.10 | 149 | 80 |

| 180 | Winston | Taylor | WTAYLOR | 650.507.9876 | 1987-09-05 | SH\_CLERK | 3200.00 | 0.00 | 120 | 50 |

| 181 | Jean | Fleaur | JFLEAUR | 650.507.9877 | 1987-09-06 | SH\_CLERK | 3100.00 | 0.00 | 120 | 50 |

| 182 | Martha | Sullivan | MSULLIVA | 650.507.9878 | 1987-09-07 | SH\_CLERK | 2500.00 | 0.00 | 120 | 50 |

| 183 | Girard | Geoni | GGEONI | 650.507.9879 | 1987-09-08 | SH\_CLERK | 2800.00 | 0.00 | 120 | 50 |

| 184 | Nandita | Sarchand | NSARCHAN | 650.509.1876 | 1987-09-09 | SH\_CLERK | 4200.00 | 0.00 | 121 | 50 |

| 185 | Alexis | Bull | ABULL | 650.509.2876 | 1987-09-10 | SH\_CLERK | 4100.00 | 0.00 | 121 | 50 |

| 186 | Julia | Dellinger | JDELLING | 650.509.3876 | 1987-09-11 | SH\_CLERK | 3400.00 | 0.00 | 121 | 50 |

| 187 | Anthony | Cabrio | ACABRIO | 650.509.4876 | 1987-09-12 | SH\_CLERK | 3000.00 | 0.00 | 121 | 50 |

| 188 | Kelly | Chung | KCHUNG | 650.505.1876 | 1987-09-13 | SH\_CLERK | 3800.00 | 0.00 | 122 | 50 |

| 189 | Jennifer | Dilly | JDILLY | 650.505.2876 | 1987-09-14 | SH\_CLERK | 3600.00 | 0.00 | 122 | 50 |

| 190 | Timothy | Gates | TGATES | 650.505.3876 | 1987-09-15 | SH\_CLERK | 2900.00 | 0.00 | 122 | 50 |

| 191 | Randall | Perkins | RPERKINS | 650.505.4876 | 1987-09-16 | SH\_CLERK | 2500.00 | 0.00 | 122 | 50 |

| 192 | Sarah | Bell | SBELL | 650.501.1876 | 1987-09-17 | SH\_CLERK | 4000.00 | 0.00 | 123 | 50 |

| 193 | Britney | Everett | BEVERETT | 650.501.2876 | 1987-09-18 | SH\_CLERK | 3900.00 | 0.00 | 123 | 50 |

| 194 | Samuel | McCain | SMCCAIN | 650.501.3876 | 1987-09-19 | SH\_CLERK | 3200.00 | 0.00 | 123 | 50 |

| 195 | Vance | Jones | VJONES | 650.501.4876 | 1987-09-20 | SH\_CLERK | 2800.00 | 0.00 | 123 | 50 |

| 196 | Alana | Walsh | AWALSH | 650.507.9811 | 1987-09-21 | SH\_CLERK | 3100.00 | 0.00 | 124 | 50 |

| 197 | Kevin | Feeney | KFEENEY | 650.507.9822 | 1987-09-22 | SH\_CLERK | 3000.00 | 0.00 | 124 | 50 |

| 198 | Donald | OConnell | DOCONNEL | 650.507.9833 | 1987-09-23 | SH\_CLERK | 2600.00 | 0.00 | 124 | 50 |

| 199 | Douglas | Grant | DGRANT | 650.507.9844 | 1987-09-24 | SH\_CLERK | 2600.00 | 0.00 | 124 | 50 |

| 200 | Jennifer | Whalen | JWHALEN | 515.123.4444 | 1987-09-25 | AD\_ASST | 4400.00 | 0.00 | 101 | 10 |

| 202 | Pat | Fay | PFAY | 603.123.6666 | 1987-09-27 | MK\_REP | 6000.00 | 0.00 | 201 | 20 |

| 203 | Susan | Mavris | SMAVRIS | 515.123.7777 | 1987-09-28 | HR\_REP | 6500.00 | 0.00 | 101 | 40 |

| 204 | Hermann | Baer | HBAER | 515.123.8888 | 1987-09-29 | PR\_REP | 10000.00 | 0.00 | 101 | 70 |

| 206 | William | Gietz | WGIETZ | 515.123.8181 | 1987-10-01 | AC\_ACCOUNT | 8300.00 | 0.00 | 205 | 110 |

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

89 rows in set (0.00 sec)

MariaDB [csd2204w18]> select e.employee\_id ,e.first\_name,e.last\_name,d.department\_id from employees as e inner join departments d on e.department\_id=d.department\_id;

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

| employee\_id | first\_name | last\_name | department\_id |

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

| 100 | Steven | King | 90 |

| 101 | Neena | Kochhar | 90 |

| 102 | Lex | De Haan | 90 |

| 103 | Alexander | Hunold | 60 |

| 104 | Bruce | Ernst | 60 |

| 105 | David | Austin | 60 |

| 106 | Valli | Pataballa | 60 |

| 107 | Diana | Lorentz | 60 |

| 108 | Nancy | Greenberg | 100 |

| 109 | Daniel | Faviet | 100 |

| 110 | John | Chen | 100 |

| 111 | Ismael | Sciarra | 100 |

| 112 | Jose Manuel | Urman | 100 |

| 113 | Luis | Popp | 100 |

| 114 | Den | Raphaely | 30 |

| 115 | Alexander | Khoo | 30 |

| 116 | Shelli | Baida | 30 |

| 117 | Sigal | Tobias | 30 |

| 118 | Guy | Himuro | 30 |

| 119 | Karen | Colmenares | 30 |

| 120 | Matthew | Weiss | 50 |

| 121 | Adam | Fripp | 50 |

| 122 | Payam | Kaufling | 50 |

| 123 | Shanta | Vollman | 50 |

| 124 | Kevin | Mourgos | 50 |

| 125 | Julia | Nayer | 50 |

| 126 | Irene | Mikkilineni | 50 |

| 127 | James | Landry | 50 |

| 128 | Steven | Markle | 50 |

| 129 | Laura | Bissot | 50 |

| 130 | Mozhe | Atkinson | 50 |

| 131 | James | Marlow | 50 |

| 132 | TJ | Olson | 50 |

| 133 | Jason | Mallin | 50 |

| 134 | Michael | Rogers | 50 |

| 135 | Ki | Gee | 50 |

| 136 | Hazel | Philtanker | 50 |

| 137 | Renske | Ladwig | 50 |

| 138 | Stephen | Stiles | 50 |

| 139 | John | Seo | 50 |

| 140 | Joshua | Patel | 50 |

| 141 | Trenna | Rajs | 50 |

| 142 | Curtis | Davies | 50 |

| 143 | Randall | Matos | 50 |

| 144 | Peter | Vargas | 50 |

| 145 | John | Russell | 80 |

| 146 | Karen | Partners | 80 |

| 147 | Alberto | Errazuriz | 80 |

| 148 | Gerald | Cambrault | 80 |

| 149 | Eleni | Zlotkey | 80 |

| 150 | Peter | Tucker | 80 |

| 151 | David | Bernstein | 80 |

| 152 | Peter | Hall | 80 |

| 153 | Christopher | Olsen | 80 |

| 154 | Nanette | Cambrault | 80 |

| 155 | Oliver | Tuvault | 80 |

| 156 | Janette | King | 80 |

| 157 | Patrick | Sully | 80 |

| 158 | Allan | McEwen | 80 |

| 159 | Lindsey | Smith | 80 |

| 160 | Louise | Doran | 80 |

| 161 | Sarath | Sewall | 80 |

| 162 | Clara | Vishney | 80 |

| 163 | Danielle | Greene | 80 |

| 164 | Mattea | Marvins | 80 |

| 165 | David | Lee | 80 |

| 166 | Sundar | Ande | 80 |

| 167 | Amit | Banda | 80 |

| 168 | Lisa | Ozer | 80 |

| 169 | Harrison | Bloom | 80 |

| 170 | Tayler | Fox | 80 |

| 171 | William | Smith | 80 |

| 172 | Elizabeth | Bates | 80 |

| 173 | Sundita | Kumar | 80 |

| 174 | Ellen | Abel | 80 |

| 175 | Alyssa | Hutton | 80 |

| 176 | Jonathon | Taylor | 80 |

| 177 | Jack | Livingston | 80 |

| 179 | Charles | Johnson | 80 |

| 180 | Winston | Taylor | 50 |

| 181 | Jean | Fleaur | 50 |

| 182 | Martha | Sullivan | 50 |

| 183 | Girard | Geoni | 50 |

| 184 | Nandita | Sarchand | 50 |

| 185 | Alexis | Bull | 50 |

| 186 | Julia | Dellinger | 50 |

| 187 | Anthony | Cabrio | 50 |

| 188 | Kelly | Chung | 50 |

| 189 | Jennifer | Dilly | 50 |

| 190 | Timothy | Gates | 50 |

| 191 | Randall | Perkins | 50 |

| 192 | Sarah | Bell | 50 |

| 193 | Britney | Everett | 50 |

| 194 | Samuel | McCain | 50 |

| 195 | Vance | Jones | 50 |

| 196 | Alana | Walsh | 50 |

| 197 | Kevin | Feeney | 50 |

| 198 | Donald | OConnell | 50 |

| 199 | Douglas | Grant | 50 |

| 200 | Jennifer | Whalen | 10 |

| 201 | Michael | Hartstein | 20 |

| 202 | Pat | Fay | 20 |

| 203 | Susan | Mavris | 40 |

| 204 | Hermann | Baer | 70 |

| 205 | Shelley | Higgins | 110 |

| 206 | William | Gietz | 110 |

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

106 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name (select department\_name from departments d where e.department\_id=d.department\_id) department from employees e order by departments;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'select department\_name from departments d where e.department\_id=d.department\_id)' at line 1

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name (select department\_name from departments d where e.department\_id = d.department\_id) department from employees e order by departments;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'select department\_name from departments d where e.department\_id = d.department\_i' at line 1

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name, (select department\_name from departments d where e.department\_id = d.department\_id) department from employees e order by departments;

ERROR 1054 (42S22): Unknown column 'departments' in 'order clause'

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name, (select department\_name from departments d where e.department\_id = d.department\_id) department from employees e order by department;

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

| employee\_id | first\_name | last\_name | department |

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

| 178 | Kimberely | Grant | NULL |

| 205 | Shelley | Higgins | Accounting |

| 206 | William | Gietz | Accounting |

| 200 | Jennifer | Whalen | Administration |

| 100 | Steven | King | Executive |

| 102 | Lex | De Haan | Executive |

| 101 | Neena | Kochhar | Executive |

| 112 | Jose Manuel | Urman | Finance |

| 113 | Luis | Popp | Finance |

| 111 | Ismael | Sciarra | Finance |

| 110 | John | Chen | Finance |

| 109 | Daniel | Faviet | Finance |

| 108 | Nancy | Greenberg | Finance |

| 203 | Susan | Mavris | Human Resources |

| 103 | Alexander | Hunold | IT |

| 104 | Bruce | Ernst | IT |

| 105 | David | Austin | IT |

| 107 | Diana | Lorentz | IT |

| 106 | Valli | Pataballa | IT |

| 202 | Pat | Fay | Marketing |

| 201 | Michael | Hartstein | Marketing |

| 204 | Hermann | Baer | Public Relations |

| 118 | Guy | Himuro | Purchasing |

| 114 | Den | Raphaely | Purchasing |

| 115 | Alexander | Khoo | Purchasing |

| 116 | Shelli | Baida | Purchasing |

| 117 | Sigal | Tobias | Purchasing |

| 119 | Karen | Colmenares | Purchasing |

| 163 | Danielle | Greene | Sales |

| 162 | Clara | Vishney | Sales |

| 161 | Sarath | Sewall | Sales |

| 160 | Louise | Doran | Sales |

| 159 | Lindsey | Smith | Sales |

| 158 | Allan | McEwen | Sales |

| 157 | Patrick | Sully | Sales |

| 156 | Janette | King | Sales |

| 155 | Oliver | Tuvault | Sales |

| 154 | Nanette | Cambrault | Sales |

| 153 | Christopher | Olsen | Sales |

| 164 | Mattea | Marvins | Sales |

| 165 | David | Lee | Sales |

| 167 | Amit | Banda | Sales |

| 177 | Jack | Livingston | Sales |

| 176 | Jonathon | Taylor | Sales |

| 175 | Alyssa | Hutton | Sales |

| 174 | Ellen | Abel | Sales |

| 173 | Sundita | Kumar | Sales |

| 172 | Elizabeth | Bates | Sales |

| 171 | William | Smith | Sales |

| 170 | Tayler | Fox | Sales |

| 169 | Harrison | Bloom | Sales |

| 168 | Lisa | Ozer | Sales |

| 179 | Charles | Johnson | Sales |

| 152 | Peter | Hall | Sales |

| 145 | John | Russell | Sales |

| 146 | Karen | Partners | Sales |

| 147 | Alberto | Errazuriz | Sales |

| 148 | Gerald | Cambrault | Sales |

| 149 | Eleni | Zlotkey | Sales |

| 150 | Peter | Tucker | Sales |

| 151 | David | Bernstein | Sales |

| 166 | Sundar | Ande | Sales |

| 194 | Samuel | McCain | Shipping |

| 193 | Britney | Everett | Shipping |

| 192 | Sarah | Bell | Shipping |

| 191 | Randall | Perkins | Shipping |

| 190 | Timothy | Gates | Shipping |

| 189 | Jennifer | Dilly | Shipping |

| 188 | Kelly | Chung | Shipping |

| 187 | Anthony | Cabrio | Shipping |

| 186 | Julia | Dellinger | Shipping |

| 195 | Vance | Jones | Shipping |

| 196 | Alana | Walsh | Shipping |

| 197 | Kevin | Feeney | Shipping |

| 180 | Winston | Taylor | Shipping |

| 120 | Matthew | Weiss | Shipping |

| 121 | Adam | Fripp | Shipping |

| 122 | Payam | Kaufling | Shipping |

| 123 | Shanta | Vollman | Shipping |

| 124 | Kevin | Mourgos | Shipping |

| 125 | Julia | Nayer | Shipping |

| 199 | Douglas | Grant | Shipping |

| 198 | Donald | OConnell | Shipping |

| 185 | Alexis | Bull | Shipping |

| 184 | Nandita | Sarchand | Shipping |

| 183 | Girard | Geoni | Shipping |

| 135 | Ki | Gee | Shipping |

| 136 | Hazel | Philtanker | Shipping |

| 137 | Renske | Ladwig | Shipping |

| 138 | Stephen | Stiles | Shipping |

| 139 | John | Seo | Shipping |

| 140 | Joshua | Patel | Shipping |

| 141 | Trenna | Rajs | Shipping |

| 142 | Curtis | Davies | Shipping |

| 143 | Randall | Matos | Shipping |

| 134 | Michael | Rogers | Shipping |

| 133 | Jason | Mallin | Shipping |

| 182 | Martha | Sullivan | Shipping |

| 181 | Jean | Fleaur | Shipping |

| 126 | Irene | Mikkilineni | Shipping |

| 127 | James | Landry | Shipping |

| 128 | Steven | Markle | Shipping |

| 129 | Laura | Bissot | Shipping |

| 130 | Mozhe | Atkinson | Shipping |

| 131 | James | Marlow | Shipping |

| 132 | TJ | Olson | Shipping |

| 144 | Peter | Vargas | Shipping |

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

107 rows in set (0.00 sec)

MariaDB [csd2204w18]> mysqldump -u root -p csd2204w18>day8.sql

-> ;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'mysqldump -u root -p csd2204w18>day8.sql' at line 1

MariaDB [csd2204w18]> exit;

Bye

730546@128-IMAC26 c:\xampp

# mysqldump -u root -p csd2204w18>day8.sql

Enter password:

730546@128-IMAC26 c:\xampp

#