Setting environment for using XAMPP for Windows.

728311@128-IMAC24 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 2

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)]> tee c:/xampp/day9log.txt

Logging to file 'c:/xampp/day9log.txt'

MariaDB [(none)]> create table customer (

-> customerId int(2),

-> name varchar(20),

-> nickname varchar(10),

-> address varchar(50),

-> city varchar(10),

-> postalcode int(8)

-> );

ERROR 1046 (3D000): No database selected

MariaDB [(none)]> create database csd2204w18;

Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> create table customer (

-> customerId int(2),

-> name varchar(20),

-> nickname varchar(10),

-> address varchar(50),

-> city varchar(10),

-> postalcode int(8)

-> );

ERROR 1046 (3D000): No database selected

MariaDB [(none)]> .mysql -u root -p csd2204w18 <c:/xampp/db.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 '.mysql -u root -p csd2204w18 <c:/xampp/db.sql' at line 1

MariaDB [(none)]> exit

Bye

728311@128-IMAC24 c:\xampp

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

The system cannot find the file specified.

728311@128-IMAC24 c:\xampp

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

The system cannot find the file specified.

728311@128-IMAC24 c:\xampp

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

The system cannot find the file specified.

728311@128-IMAC24 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 3

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)]> exit

Bye

728311@128-IMAC24 c:\xampp

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

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

operable program or batch file.

728311@128-IMAC24 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)]> use csd2204w18;

Database changed

MariaDB [csd2204w18]> show tables;

Empty set (0.00 sec)

MariaDB [csd2204w18]> create table customer (

-> customerId int(2),

-> name varchar(20),

-> nickname varchar(10),

-> address varchar(50),

-> city varchar(10),

-> postalcode int(8)

-> );

Query OK, 0 rows affected (1.76 sec)

MariaDB [csd2204w18]> insert into customer values(1,'ashley','ash','32 washington street','WDC',321200);

Query OK, 1 row affected (0.39 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> insert into customer values(2,'Bom marley','BM','keele street','toronto',100100);

Query OK, 1 row affected (0.10 sec)

MariaDB [csd2204w18]> insert into customer values(3,'charlies theron','cher','329 empire state building','new york',120134);

Query OK, 1 row affected (0.23 sec)

MariaDB [csd2204w18]> insert into customer values(4,'denial jack','DJ','spartan building ,East','brazil',341020);

Query OK, 1 row affected (0.07 sec)

MariaDB [csd2204w18]> insert into customer values(5,'donna newman','new','250 carlson blvd','toronto',130120);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> insert into customer values(6,'eston M.','M.','21 york. DV.','toronto',201023);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> insert into customer values(7,'bobby chacko','chac','kennedy','new york',320300);

Query OK, 1 row affected (0.07 sec)

MariaDB [csd2204w18]> insert into customer values(8,'ashko charles','ak','washington DC','USA',421044);

Query OK, 1 row affected (0.07 sec)

MariaDB [csd2204w18]> insert into customer values(9,'ashko charles','ak','washington DC','USA',418921);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> insert into customer values(10,'jack sp','sparrow','orkville','GTA,418925);

'> insert into customer values(10,'jack sp','sparrow','orkville','GTA',418925);

'>

'>

'> Bye

728311@128-IMAC24 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 5

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)]>

MariaDB [(none)]> use csd2204w18;

Database changed

MariaDB [csd2204w18]> insert into customer values(1,'ashley','ash','32 washington street','WDC',321200);

Query OK, 1 row affected (0.07 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> insert into customer values(2,'Bom marley','BM','keele street','toronto',100100);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18]> insert into customer values(3,'charlies theron','cher','329 empire state building','new york',120134);

Query OK, 1 row affected (0.07 sec)

MariaDB [csd2204w18]> insert into customer values(4,'denial jack','DJ','spartan building ,East','brazil',341020);

Query OK, 1 row affected (0.07 sec)

MariaDB [csd2204w18]> insert into customer values(5,'donna newman','new','250 carlson blvd','toronto',130120);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18]> insert into customer values(6,'eston M.','M.','21 york. DV.','toronto',201023);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18]> insert into customer values(7,'bobby chacko','chac','kennedy','new york',320300);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18]> insert into customer values(8,'ashko charles','ak','washington DC','USA',421044);

Query OK, 1 row affected (0.02 sec)

MariaDB [csd2204w18]> insert into customer values(9,'ashko charles','ak','washington DC','USA',418921);

Query OK, 1 row affected (0.04 sec)

MariaDB [csd2204w18]> insert into customer values(10,'jack sp','sparrow','orkville','GTA',418925);

Query OK, 1 row affected (0.05 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 (0.41 sec)

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

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

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

Query OK, 6 rows affected (0.10 sec)

Records: 6 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> show tables;

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

| Tables\_in\_csd2204w18 |

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

| animals |

| customer |

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

2 rows in set (0.00 sec)

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]> CREATE TABLE pet (

-> name VARCHAR(20),

-> owner VARCHAR(20),

-> species VARCHAR(20),

-> sex CHAR(1),

-> birth DATE,

-> death DATE);

Query OK, 0 rows affected (0.62 sec)

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 (0.53 sec)

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

Query OK, 1 row affected (0.16 sec)

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

Query OK, 1 row affected (0.04 sec)

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

Query OK, 1 row affected (0.12 sec)

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

Query OK, 1 row affected (0.10 sec)

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

Query OK, 1 row affected (0.02 sec)

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

Query OK, 1 row affected (0.04 sec)

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

Query OK, 1 row affected (0.05 sec)

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

Query OK, 1 row affected (0.03 sec)

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

Query OK, 1 row affected (0.05 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 (0.52 sec)

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 (0.06 sec)

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

Query OK, 1 row affected (0.14 sec)

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

Query OK, 1 row affected (0.06 sec)

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

Query OK, 1 row affected (0.05 sec)

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

Query OK, 1 row affected (0.06 sec)

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

Query OK, 1 row affected (0.02 sec)

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

Query OK, 1 row affected (0.04 sec)

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

Query OK, 1 row affected (0.06 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 (0.02 sec)

MariaDB [csd2204w18]> CREATE TABLE IF NOT EXISTS `countries` (

-> `COUNTRY\_ID` varchar(2) NOT NULL,

-> `COUNTRY\_NAME` varchar(40) DEFAULT NULL,

-> `REGION\_ID` decimal(10,0) DEFAULT NULL,

-> PRIMARY KEY (`COUNTRY\_ID`),

-> KEY `COUNTR\_REG\_FK` (`REGION\_ID`)

-> ) ;

Query OK, 0 rows affected (0.42 sec)

MariaDB [csd2204w18]> INSERT INTO `countries` (`COUNTRY\_ID`, `COUNTRY\_NAME`, `REGION\_ID`) VALUES

-> ('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');

Query OK, 25 rows affected (0.17 sec)

Records: 25 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> CREATE TABLE IF NOT EXISTS `departments` (

-> `DEPARTMENT\_ID` decimal(4,0) NOT NULL DEFAULT '0',

-> `DEPARTMENT\_NAME` varchar(30) NOT NULL,

-> `MANAGER\_ID` decimal(6,0) DEFAULT NULL,

-> `LOCATION\_ID` decimal(4,0) DEFAULT NULL,

-> PRIMARY KEY (`DEPARTMENT\_ID`),

-> KEY `DEPT\_MGR\_FK` (`MANAGER\_ID`),

-> KEY `DEPT\_LOCATION\_IX` (`LOCATION\_ID`)

-> );

Query OK, 0 rows affected (0.51 sec)

MariaDB [csd2204w18]> INSERT INTO `departments` (`DEPARTMENT\_ID`, `DEPARTMENT\_NAME`, `MANAGER\_ID`, `LOCATION\_ID`) VALUES

-> ('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');

Query OK, 27 rows affected (0.15 sec)

Records: 27 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> CREATE TABLE IF NOT EXISTS `employees` (

-> `EMPLOYEE\_ID` decimal(6,0) NOT NULL DEFAULT '0',

-> `FIRST\_NAME` varchar(20) DEFAULT NULL,

-> `LAST\_NAME` varchar(25) NOT NULL,

-> `EMAIL` varchar(25) NOT NULL,

-> `PHONE\_NUMBER` varchar(20) DEFAULT NULL,

-> `HIRE\_DATE` date NOT NULL,

-> `JOB\_ID` varchar(10) NOT NULL,

-> `SALARY` decimal(8,2) DEFAULT NULL,

-> `COMMISSION\_PCT` decimal(2,2) DEFAULT NULL,

-> `MANAGER\_ID` decimal(6,0) DEFAULT NULL,

-> `DEPARTMENT\_ID` decimal(4,0) DEFAULT NULL,

-> PRIMARY KEY (`EMPLOYEE\_ID`),

-> UNIQUE KEY `EMP\_EMAIL\_UK` (`EMAIL`),

-> KEY `EMP\_DEPARTMENT\_IX` (`DEPARTMENT\_ID`),

-> KEY `EMP\_JOB\_IX` (`JOB\_ID`),

-> KEY `EMP\_MANAGER\_IX` (`MANAGER\_ID`),

-> KEY `EMP\_NAME\_IX` (`LAST\_NAME`,`FIRST\_NAME`)

-> ) ;

Query OK, 0 rows affected (3.19 sec)

MariaDB [csd2204w18]> INSERT INTO `employees` (`EMPLOYEE\_ID`, `FIRST\_NAME`, `LAST\_NAME`, `EMAIL`, `PHONE\_NUMBER`, `HIRE\_DATE`, `JOB\_ID`, `SALARY`, `COMMISSION\_PCT`, `MANAGER\_ID`, `DEPARTMENT\_ID`) VALUES

-> ('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');

Query OK, 107 rows affected (0.97 sec)

Records: 107 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> CREATE TABLE IF NOT EXISTS `job\_history` (

-> `EMPLOYEE\_ID` decimal(6,0) NOT NULL,

-> `START\_DATE` date NOT NULL,

-> `END\_DATE` date NOT NULL,

-> `JOB\_ID` varchar(10) NOT NULL,

-> `DEPARTMENT\_ID` decimal(4,0) DEFAULT NULL,

-> PRIMARY KEY (`EMPLOYEE\_ID`,`START\_DATE`),

-> KEY `JHIST\_DEPARTMENT\_IX` (`DEPARTMENT\_ID`),

-> KEY `JHIST\_EMPLOYEE\_IX` (`EMPLOYEE\_ID`),

-> KEY `JHIST\_JOB\_IX` (`JOB\_ID`)

-> ) ;

Query OK, 0 rows affected (7.45 sec)

MariaDB [csd2204w18]> INSERT INTO `job\_history` (`EMPLOYEE\_ID`, `START\_DATE`, `END\_DATE`, `JOB\_ID`, `DEPARTMENT\_ID`) VALUES

-> ('102', '1993-01-13', '1998-07-24', 'IT\_PROG', '60'),

-> ('101', '1989-09-21', '1993-10-27', 'AC\_ACCOUNT', '110'),

-> ('101', '1993-10-28', '1997-03-15', 'AC\_MGR', '110'),

-> ('201', '1996-02-17', '1999-12-19', 'MK\_REP', '20'),

-> ('114', '1998-03-24', '1999-12-31', 'ST\_CLERK', '50'),

-> ('122', '1999-01-01', '1999-12-31', 'ST\_CLERK', '50'),

-> ('200', '1987-09-17', '1993-06-17', 'AD\_ASST', '90'),

-> ('176', '1998-03-24', '1998-12-31', 'SA\_REP', '80'),

-> ('176', '1999-01-01', '1999-12-31', 'SA\_MAN', '80'),

-> ('200', '1994-07-01', '1998-12-31', 'AC\_ACCOUNT', '90'),

-> ('0', '0000-00-00', '0000-00-00', '', '0');

Query OK, 11 rows affected (0.16 sec)

Records: 11 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> CREATE TABLE IF NOT EXISTS `jobs` (

-> `JOB\_ID` varchar(10) NOT NULL DEFAULT '',

-> `JOB\_TITLE` varchar(35) NOT NULL,

-> `MIN\_SALARY` decimal(6,0) DEFAULT NULL,

-> `MAX\_SALARY` decimal(6,0) DEFAULT NULL,

-> PRIMARY KEY (`JOB\_ID`)

-> ) ;

Query OK, 0 rows affected (13.02 sec)

MariaDB [csd2204w18]> INSERT INTO `jobs` (`JOB\_ID`, `JOB\_TITLE`, `MIN\_SALARY`, `MAX\_SALARY`) VALUES

-> ('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');

Query OK, 19 rows affected (0.81 sec)

Records: 19 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> CREATE TABLE IF NOT EXISTS `locations` (

-> `LOCATION\_ID` decimal(4,0) NOT NULL DEFAULT '0',

-> `STREET\_ADDRESS` varchar(40) DEFAULT NULL,

-> `POSTAL\_CODE` varchar(12) DEFAULT NULL,

-> `CITY` varchar(30) NOT NULL,

-> `STATE\_PROVINCE` varchar(25) DEFAULT NULL,

-> `COUNTRY\_ID` varchar(2) DEFAULT NULL,

-> PRIMARY KEY (`LOCATION\_ID`),

-> KEY `LOC\_CITY\_IX` (`CITY`),

-> KEY `LOC\_COUNTRY\_IX` (`COUNTRY\_ID`),

-> KEY `LOC\_STATE\_PROVINCE\_IX` (`STATE\_PROVINCE`)

-> ) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected (0.04 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]> -- Dumping data for table `locations`

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> INSERT INTO `locations` (`LOCATION\_ID`, `STREET\_ADDRESS`, `POSTAL\_CODE`, `CITY`, `STATE\_PROVINCE`, `COUNTRY\_ID`) VALUES

-> ('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', '"');

Query OK, 23 rows affected (0.00 sec)

Records: 23 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> CREATE TABLE IF NOT EXISTS `regions` (

-> `REGION\_ID` decimal(5,0) NOT NULL,

-> `REGION\_NAME` varchar(25) DEFAULT NULL,

-> PRIMARY KEY (`REGION\_ID`),

-> UNIQUE KEY `sss` (`REGION\_NAME`)

-> ) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected (0.19 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]> -- Dumping data for table `regions`

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> INSERT INTO `regions` (`REGION\_ID`, `REGION\_NAME`) VALUES

-> ('1', 'Europe\r'),

-> ('2', 'Americas\r'),

-> ('3', 'Asia\r'),

-> ('4', 'Middle East and Africa\r');

Query OK, 4 rows affected (0.00 sec)

Records: 4 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> /\*!40101 SET CHARACTER\_SET\_CLIENT=@OLD\_CHARACTER\_SET\_CLIENT \*/;

ERROR 1231 (42000): Variable 'character\_set\_client' can't be set to the value of 'NULL'

MariaDB [csd2204w18]> /\*!40101 SET CHARACTER\_SET\_RESULTS=@OLD\_CHARACTER\_SET\_RESULTS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET COLLATION\_CONNECTION=@OLD\_COLLATION\_CONNECTION \*/;

ERROR 1231 (42000): Variable 'collation\_connection' can't be set to the value of 'NULL'

MariaDB [csd2204w18]>

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> show tables;

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

| Tables\_in\_csd2204w18 |

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

| animals |

| countries |

| customer |

| departments |

| employees |

| job\_history |

| jobs |

| locations |

| manu |

| pet |

| products |

| regions |

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

12 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,salary from employees AS A where salary <(select min(salary) from employee where department\_id<>A.department\_id);

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

MariaDB [csd2204w18]> select employee\_id,first\_name,salary from employees AS A where salary <(select min(salary) from employees where department\_id<>A.department\_id);

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

| employee\_id | first\_name | salary |

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

| 127 | James | 2400.00 |

| 128 | Steven | 2200.00 |

| 132 | TJ | 2100.00 |

| 135 | Ki | 2400.00 |

| 136 | Hazel | 2200.00 |

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

5 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 \*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 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]> show tables;

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

| Tables\_in\_csd2204w18 |

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

| animals |

| countries |

| customer |

| departments |

| employees |

| job\_history |

| jobs |

| locations |

| manu |

| pet |

| products |

| regions |

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

12 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 department\_id from employees where department\_id IN(select location\_id from departments where location\_id IN (select country\_ID from locations where country\_id IN(select country\_id from countries where country\_name='canada')));

Empty set, 4 warnings (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,salary from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID from departments where location\_id IN (select location\_id from locations where country\_id='CA'));

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

| employee\_id | first\_name | salary |

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

| 201 | Michael | 13000.00 |

| 202 | Pat | 6000.00 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,min(salary) from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID from departments where location\_id IN (select location\_id from locations where country\_id='CA'));

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

| employee\_id | first\_name | min(salary) |

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

| 201 | Michael | 6000.00 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,salary from employees where salary<select min(salary)from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID from departments where location\_id IN (select location\_id from locations where country\_id='CA'));

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 min(salary)from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID fro' at line 1

MariaDB [csd2204w18]> select employee\_id,first\_name,salary from employees where salary< (select min(salary)from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID from departments where location\_id IN (select location\_id from locations where country\_id='CA')));

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

| employee\_id | first\_name | salary |

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

| 105 | David | 4800.00 |

| 106 | Valli | 4800.00 |

| 107 | Diana | 4200.00 |

| 115 | Alexander | 3100.00 |

| 116 | Shelli | 2900.00 |

| 117 | Sigal | 2800.00 |

| 118 | Guy | 2600.00 |

| 119 | Karen | 2500.00 |

| 124 | Kevin | 5800.00 |

| 125 | Julia | 3200.00 |

| 126 | Irene | 2700.00 |

| 127 | James | 2400.00 |

| 128 | Steven | 2200.00 |

| 129 | Laura | 3300.00 |

| 130 | Mozhe | 2800.00 |

| 131 | James | 2500.00 |

| 132 | TJ | 2100.00 |

| 133 | Jason | 3300.00 |

| 134 | Michael | 2900.00 |

| 135 | Ki | 2400.00 |

| 136 | Hazel | 2200.00 |

| 137 | Renske | 3600.00 |

| 138 | Stephen | 3200.00 |

| 139 | John | 2700.00 |

| 140 | Joshua | 2500.00 |

| 141 | Trenna | 3500.00 |

| 142 | Curtis | 3100.00 |

| 143 | Randall | 2600.00 |

| 144 | Peter | 2500.00 |

| 180 | Winston | 3200.00 |

| 181 | Jean | 3100.00 |

| 182 | Martha | 2500.00 |

| 183 | Girard | 2800.00 |

| 184 | Nandita | 4200.00 |

| 185 | Alexis | 4100.00 |

| 186 | Julia | 3400.00 |

| 187 | Anthony | 3000.00 |

| 188 | Kelly | 3800.00 |

| 189 | Jennifer | 3600.00 |

| 190 | Timothy | 2900.00 |

| 191 | Randall | 2500.00 |

| 192 | Sarah | 4000.00 |

| 193 | Britney | 3900.00 |

| 194 | Samuel | 3200.00 |

| 195 | Vance | 2800.00 |

| 196 | Alana | 3100.00 |

| 197 | Kevin | 3000.00 |

| 198 | Donald | 2600.00 |

| 199 | Douglas | 2600.00 |

| 200 | Jennifer | 4400.00 |

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

50 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,min(salary) from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID from departments where location\_id IN (select location\_id from locations where country\_id IN(select county\_id from countries where country\_name='canada')));

ERROR 1054 (42S22): Unknown column 'county\_id' in 'field list'

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 employee\_id,first\_name,salary from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID from departments where location\_id IN (select location\_id from locations where country\_id='USA'));

Empty set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,salary from employees where salary< (select min(salary)from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID from departments where location\_id IN (select location\_id from locations where country\_id='CA')));

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

| employee\_id | first\_name | salary |

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

| 105 | David | 4800.00 |

| 106 | Valli | 4800.00 |

| 107 | Diana | 4200.00 |

| 115 | Alexander | 3100.00 |

| 116 | Shelli | 2900.00 |

| 117 | Sigal | 2800.00 |

| 118 | Guy | 2600.00 |

| 119 | Karen | 2500.00 |

| 124 | Kevin | 5800.00 |

| 125 | Julia | 3200.00 |

| 126 | Irene | 2700.00 |

| 127 | James | 2400.00 |

| 128 | Steven | 2200.00 |

| 129 | Laura | 3300.00 |

| 130 | Mozhe | 2800.00 |

| 131 | James | 2500.00 |

| 132 | TJ | 2100.00 |

| 133 | Jason | 3300.00 |

| 134 | Michael | 2900.00 |

| 135 | Ki | 2400.00 |

| 136 | Hazel | 2200.00 |

| 137 | Renske | 3600.00 |

| 138 | Stephen | 3200.00 |

| 139 | John | 2700.00 |

| 140 | Joshua | 2500.00 |

| 141 | Trenna | 3500.00 |

| 142 | Curtis | 3100.00 |

| 143 | Randall | 2600.00 |

| 144 | Peter | 2500.00 |

| 180 | Winston | 3200.00 |

| 181 | Jean | 3100.00 |

| 182 | Martha | 2500.00 |

| 183 | Girard | 2800.00 |

| 184 | Nandita | 4200.00 |

| 185 | Alexis | 4100.00 |

| 186 | Julia | 3400.00 |

| 187 | Anthony | 3000.00 |

| 188 | Kelly | 3800.00 |

| 189 | Jennifer | 3600.00 |

| 190 | Timothy | 2900.00 |

| 191 | Randall | 2500.00 |

| 192 | Sarah | 4000.00 |

| 193 | Britney | 3900.00 |

| 194 | Samuel | 3200.00 |

| 195 | Vance | 2800.00 |

| 196 | Alana | 3100.00 |

| 197 | Kevin | 3000.00 |

| 198 | Donald | 2600.00 |

| 199 | Douglas | 2600.00 |

| 200 | Jennifer | 4400.00 |

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

50 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,salary from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID from departments where location\_id IN (select location\_id from locations where country\_id='CA')));

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 employee\_id,first\_name,salary from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID from departments where location\_id IN (select location\_id from locations where country\_id='CA'));

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

| employee\_id | first\_name | salary |

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

| 201 | Michael | 13000.00 |

| 202 | Pat | 6000.00 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,salary from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID from departments where location\_id IN (select location\_id from locations where country\_id='USA'));

Empty set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID from departments where location\_id IN (select location\_id from locations where country\_id='US'));

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

| employee\_id | first\_name |

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

| 103 | Alexander |

| 104 | Bruce |

| 105 | David |

| 106 | Valli |

| 107 | Diana |

| 120 | Matthew |

| 121 | Adam |

| 122 | Payam |

| 123 | Shanta |

| 124 | Kevin |

| 125 | Julia |

| 126 | Irene |

| 127 | James |

| 128 | Steven |

| 129 | Laura |

| 130 | Mozhe |

| 131 | James |

| 132 | TJ |

| 133 | Jason |

| 134 | Michael |

| 135 | Ki |

| 136 | Hazel |

| 137 | Renske |

| 138 | Stephen |

| 139 | John |

| 140 | Joshua |

| 141 | Trenna |

| 142 | Curtis |

| 143 | Randall |

| 144 | Peter |

| 180 | Winston |

| 181 | Jean |

| 182 | Martha |

| 183 | Girard |

| 184 | Nandita |

| 185 | Alexis |

| 186 | Julia |

| 187 | Anthony |

| 188 | Kelly |

| 189 | Jennifer |

| 190 | Timothy |

| 191 | Randall |

| 192 | Sarah |

| 193 | Britney |

| 194 | Samuel |

| 195 | Vance |

| 196 | Alana |

| 197 | Kevin |

| 198 | Donald |

| 199 | Douglas |

| 200 | Jennifer |

| 114 | Den |

| 115 | Alexander |

| 116 | Shelli |

| 117 | Sigal |

| 118 | Guy |

| 119 | Karen |

| 100 | Steven |

| 101 | Neena |

| 102 | Lex |

| 108 | Nancy |

| 109 | Daniel |

| 110 | John |

| 111 | Ismael |

| 112 | Jose Manuel |

| 113 | Luis |

| 205 | Shelley |

| 206 | William |

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

68 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID from departments where location\_id IN (select location\_id from locations where country\_id='US'));

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

| employee\_id | first\_name |

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

| 103 | Alexander |

| 104 | Bruce |

| 105 | David |

| 106 | Valli |

| 107 | Diana |

| 120 | Matthew |

| 121 | Adam |

| 122 | Payam |

| 123 | Shanta |

| 124 | Kevin |

| 125 | Julia |

| 126 | Irene |

| 127 | James |

| 128 | Steven |

| 129 | Laura |

| 130 | Mozhe |

| 131 | James |

| 132 | TJ |

| 133 | Jason |

| 134 | Michael |

| 135 | Ki |

| 136 | Hazel |

| 137 | Renske |

| 138 | Stephen |

| 139 | John |

| 140 | Joshua |

| 141 | Trenna |

| 142 | Curtis |

| 143 | Randall |

| 144 | Peter |

| 180 | Winston |

| 181 | Jean |

| 182 | Martha |

| 183 | Girard |

| 184 | Nandita |

| 185 | Alexis |

| 186 | Julia |

| 187 | Anthony |

| 188 | Kelly |

| 189 | Jennifer |

| 190 | Timothy |

| 191 | Randall |

| 192 | Sarah |

| 193 | Britney |

| 194 | Samuel |

| 195 | Vance |

| 196 | Alana |

| 197 | Kevin |

| 198 | Donald |

| 199 | Douglas |

| 200 | Jennifer |

| 114 | Den |

| 115 | Alexander |

| 116 | Shelli |

| 117 | Sigal |

| 118 | Guy |

| 119 | Karen |

| 100 | Steven |

| 101 | Neena |

| 102 | Lex |

| 108 | Nancy |

| 109 | Daniel |

| 110 | John |

| 111 | Ismael |

| 112 | Jose Manuel |

| 113 | Luis |

| 205 | Shelley |

| 206 | William |

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

68 rows in set (0.00 sec)

MariaDB [csd2204w18]> select department\_id ,manager\_id from employees where department\_id =manager\_id;

Empty set (0.00 sec)

MariaDB [csd2204w18]> select department\_id ,manager\_id from employees A where department\_id =A.manager\_id;

Empty set (0.00 sec)

MariaDB [csd2204w18]> select department\_id ,manager\_id from employees A where department\_id <>A.manager\_id;

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

| department\_id | manager\_id |

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

| 90 | 0 |

| 90 | 100 |

| 90 | 100 |

| 60 | 102 |

| 60 | 103 |

| 60 | 103 |

| 60 | 103 |

| 60 | 103 |

| 100 | 101 |

| 100 | 108 |

| 100 | 108 |

| 100 | 108 |

| 100 | 108 |

| 100 | 108 |

| 30 | 100 |

| 30 | 114 |

| 30 | 114 |

| 30 | 114 |

| 30 | 114 |

| 30 | 114 |

| 50 | 100 |

| 50 | 100 |

| 50 | 100 |

| 50 | 100 |

| 50 | 100 |

| 50 | 120 |

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| 50 | 123 |

| 50 | 123 |

| 50 | 123 |

| 50 | 124 |

| 50 | 124 |

| 50 | 124 |

| 50 | 124 |

| 80 | 100 |

| 80 | 100 |

| 80 | 100 |

| 80 | 100 |

| 80 | 100 |

| 80 | 145 |

| 80 | 145 |

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| 80 | 147 |

| 80 | 147 |

| 80 | 147 |

| 80 | 147 |

| 80 | 147 |

| 80 | 148 |

| 80 | 148 |

| 80 | 148 |

| 80 | 148 |

| 80 | 148 |

| 80 | 148 |

| 80 | 149 |

| 80 | 149 |

| 80 | 149 |

| 80 | 149 |

| 0 | 149 |

| 80 | 149 |

| 50 | 120 |

| 50 | 120 |

| 50 | 120 |

| 50 | 120 |

| 50 | 121 |

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| 50 | 121 |

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| 50 | 122 |

| 50 | 123 |

| 50 | 123 |

| 50 | 123 |

| 50 | 123 |

| 50 | 124 |

| 50 | 124 |

| 50 | 124 |

| 50 | 124 |

| 10 | 101 |

| 20 | 100 |

| 20 | 201 |

| 40 | 101 |

| 70 | 101 |

| 110 | 101 |

| 110 | 205 |

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

107 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 department\_id ,manager\_id from employees where department\_id IN(select department\_id from employees where department\_id =manager\_id);

Empty set (0.00 sec)

MariaDB [csd2204w18]> select department\_id from employees A where department\_id IN(select department\_id from employees b where b.department\_id =A.manager\_id);

Empty set (0.00 sec)

MariaDB [csd2204w18]> select department\_id from employees A where department\_id IN(select 'x' from employees b where b.department\_id =A.manager\_id);

Empty set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id from employees A where employee\_id IN(select employee\_id from employees b where b.employee\_id\_id =A.manager\_id);

ERROR 1054 (42S22): Unknown column 'b.employee\_id\_id' in 'where clause'

MariaDB [csd2204w18]> select employee\_id from employees A where employee\_id IN(select employee\_id from employees b where b.employee\_id =A.manager\_id);

Empty set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id from employees A where employee\_id IN(select employee\_id from employees b where A.employee\_id =b.manager\_id);

Empty set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id from employees A where employee\_id IN(select 'x' from employees b where A.employee\_id =b.manager\_id);

Empty 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 employee\_id IN(select employee\_id from employees where employee\_id<>manager\_id );

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

| first\_name | last\_name |

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

| Ellen | Abel |

| Sundar | Ande |

| Mozhe | Atkinson |

| David | Austin |

| Hermann | Baer |

| Shelli | Baida |

| Amit | Banda |

| Elizabeth | Bates |

| Sarah | Bell |

| David | Bernstein |

| Laura | Bissot |

| Harrison | Bloom |

| Alexis | Bull |

| Anthony | Cabrio |

| Gerald | Cambrault |

| Nanette | Cambrault |

| John | Chen |

| Kelly | Chung |

| Karen | Colmenares |

| Curtis | Davies |

| Lex | De Haan |

| Julia | Dellinger |

| Jennifer | Dilly |

| Louise | Doran |

| Bruce | Ernst |

| Alberto | Errazuriz |

| Britney | Everett |

| Daniel | Faviet |

| Pat | Fay |

| Kevin | Feeney |

| Jean | Fleaur |

| Tayler | Fox |

| Adam | Fripp |

| Timothy | Gates |

| Ki | Gee |

| Girard | Geoni |

| William | Gietz |

| Douglas | Grant |

| Kimberely | Grant |

| Nancy | Greenberg |

| Danielle | Greene |

| Peter | Hall |

| Michael | Hartstein |

| Shelley | Higgins |

| Guy | Himuro |

| Alexander | Hunold |

| Alyssa | Hutton |

| Charles | Johnson |

| Vance | Jones |

| Payam | Kaufling |

| Alexander | Khoo |

| Janette | King |

| Steven | King |

| Neena | Kochhar |

| Sundita | Kumar |

| Renske | Ladwig |

| James | Landry |

| David | Lee |

| Jack | Livingston |

| Diana | Lorentz |

| Jason | Mallin |

| Steven | Markle |

| James | Marlow |

| Mattea | Marvins |

| Randall | Matos |

| Susan | Mavris |

| Samuel | McCain |

| Allan | McEwen |

| Irene | Mikkilineni |

| Kevin | Mourgos |

| Julia | Nayer |

| Donald | OConnell |

| Christopher | Olsen |

| TJ | Olson |

| Lisa | Ozer |

| Karen | Partners |

| Valli | Pataballa |

| Joshua | Patel |

| Randall | Perkins |

| Hazel | Philtanker |

| Luis | Popp |

| Trenna | Rajs |

| Den | Raphaely |

| Michael | Rogers |

| John | Russell |

| Nandita | Sarchand |

| Ismael | Sciarra |

| John | Seo |

| Sarath | Sewall |

| Lindsey | Smith |

| William | Smith |

| Stephen | Stiles |

| Martha | Sullivan |

| Patrick | Sully |

| Jonathon | Taylor |

| Winston | Taylor |

| Sigal | Tobias |

| Peter | Tucker |

| Oliver | Tuvault |

| Jose Manuel | Urman |

| Peter | Vargas |

| Clara | Vishney |

| Shanta | Vollman |

| Alana | Walsh |

| Matthew | Weiss |

| Jennifer | Whalen |

| Eleni | Zlotkey |

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

107 rows in set (0.00 sec)

MariaDB [csd2204w18]> select first\_name,last\_name ,manager\_id from employees a where employee\_id IN(select b.employee\_id from employees b where b.employee\_id<>a.manager\_id );

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

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

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

| Steven | King | 0 |

| Neena | Kochhar | 100 |

| Lex | De Haan | 100 |

| Alexander | Hunold | 102 |

| Bruce | Ernst | 103 |

| David | Austin | 103 |

| Valli | Pataballa | 103 |

| Diana | Lorentz | 103 |

| Nancy | Greenberg | 101 |

| Daniel | Faviet | 108 |

| John | Chen | 108 |

| Ismael | Sciarra | 108 |

| Jose Manuel | Urman | 108 |

| Luis | Popp | 108 |

| Den | Raphaely | 100 |

| Alexander | Khoo | 114 |

| Shelli | Baida | 114 |

| Sigal | Tobias | 114 |

| Guy | Himuro | 114 |

| Karen | Colmenares | 114 |

| Matthew | Weiss | 100 |

| Adam | Fripp | 100 |

| Payam | Kaufling | 100 |

| Shanta | Vollman | 100 |

| Kevin | Mourgos | 100 |

| 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 |

| John | Russell | 100 |

| Karen | Partners | 100 |

| Alberto | Errazuriz | 100 |

| Gerald | Cambrault | 100 |

| Eleni | Zlotkey | 100 |

| 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 |

| Michael | Hartstein | 100 |

| Pat | Fay | 201 |

| Susan | Mavris | 101 |

| Hermann | Baer | 101 |

| Shelley | Higgins | 101 |

| William | Gietz | 205 |

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

107 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id from employees a where employee\_id IN (select b.manager\_id from employees b where b.manager\_id <>a.employee\_id);

Empty set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,manager\_id from employees a where employee\_id IN (select b.employee\_id from employees b where b.employee\_id <>a.manager\_id);

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

| employee\_id | manager\_id |

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

| 100 | 0 |

| 101 | 100 |

| 102 | 100 |

| 114 | 100 |

| 120 | 100 |

| 121 | 100 |

| 122 | 100 |

| 123 | 100 |

| 124 | 100 |

| 145 | 100 |

| 146 | 100 |

| 147 | 100 |

| 148 | 100 |

| 149 | 100 |

| 201 | 100 |

| 108 | 101 |

| 200 | 101 |

| 203 | 101 |

| 204 | 101 |

| 205 | 101 |

| 103 | 102 |

| 104 | 103 |

| 105 | 103 |

| 106 | 103 |

| 107 | 103 |

| 109 | 108 |

| 110 | 108 |

| 111 | 108 |

| 112 | 108 |

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| 115 | 114 |

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| 125 | 120 |

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| 171 | 148 |

| 172 | 148 |

| 173 | 148 |

| 174 | 149 |

| 175 | 149 |

| 176 | 149 |

| 177 | 149 |

| 178 | 149 |

| 179 | 149 |

| 202 | 201 |

| 206 | 205 |

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

107 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,manager\_id from employees a where employee\_id IN (select b.employee\_id from employees b where b.employee\_id =a.manager\_id);

Empty set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID from departments where location\_id IN (select location\_id from locations where country\_id='US'));

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

| employee\_id | first\_name |

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

| 103 | Alexander |

| 104 | Bruce |

| 105 | David |

| 106 | Valli |

| 107 | Diana |

| 120 | Matthew |

| 121 | Adam |

| 122 | Payam |

| 123 | Shanta |

| 124 | Kevin |

| 125 | Julia |

| 126 | Irene |

| 127 | James |

| 128 | Steven |

| 129 | Laura |

| 130 | Mozhe |

| 131 | James |

| 132 | TJ |

| 133 | Jason |

| 134 | Michael |

| 135 | Ki |

| 136 | Hazel |

| 137 | Renske |

| 138 | Stephen |

| 139 | John |

| 140 | Joshua |

| 141 | Trenna |

| 142 | Curtis |

| 143 | Randall |

| 144 | Peter |

| 180 | Winston |

| 181 | Jean |

| 182 | Martha |

| 183 | Girard |

| 184 | Nandita |

| 185 | Alexis |

| 186 | Julia |

| 187 | Anthony |

| 188 | Kelly |

| 189 | Jennifer |

| 190 | Timothy |

| 191 | Randall |

| 192 | Sarah |

| 193 | Britney |

| 194 | Samuel |

| 195 | Vance |

| 196 | Alana |

| 197 | Kevin |

| 198 | Donald |

| 199 | Douglas |

| 200 | Jennifer |

| 114 | Den |

| 115 | Alexander |

| 116 | Shelli |

| 117 | Sigal |

| 118 | Guy |

| 119 | Karen |

| 100 | Steven |

| 101 | Neena |

| 102 | Lex |

| 108 | Nancy |

| 109 | Daniel |

| 110 | John |

| 111 | Ismael |

| 112 | Jose Manuel |

| 113 | Luis |

| 205 | Shelley |

| 206 | William |

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

68 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID from departments where location\_id IN (select location\_id from locations where country\_id='US'));

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

| employee\_id | first\_name |

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

| 103 | Alexander |

| 104 | Bruce |

| 105 | David |

| 106 | Valli |

| 107 | Diana |

| 120 | Matthew |

| 121 | Adam |

| 122 | Payam |

| 123 | Shanta |

| 124 | Kevin |

| 125 | Julia |

| 126 | Irene |

| 127 | James |

| 128 | Steven |

| 129 | Laura |

| 130 | Mozhe |

| 131 | James |

| 132 | TJ |

| 133 | Jason |

| 134 | Michael |

| 135 | Ki |

| 136 | Hazel |

| 137 | Renske |

| 138 | Stephen |

| 139 | John |

| 140 | Joshua |

| 141 | Trenna |

| 142 | Curtis |

| 143 | Randall |

| 144 | Peter |

| 180 | Winston |

| 181 | Jean |

| 182 | Martha |

| 183 | Girard |

| 184 | Nandita |

| 185 | Alexis |

| 186 | Julia |

| 187 | Anthony |

| 188 | Kelly |

| 189 | Jennifer |

| 190 | Timothy |

| 191 | Randall |

| 192 | Sarah |

| 193 | Britney |

| 194 | Samuel |

| 195 | Vance |

| 196 | Alana |

| 197 | Kevin |

| 198 | Donald |

| 199 | Douglas |

| 200 | Jennifer |

| 114 | Den |

| 115 | Alexander |

| 116 | Shelli |

| 117 | Sigal |

| 118 | Guy |

| 119 | Karen |

| 100 | Steven |

| 101 | Neena |

| 102 | Lex |

| 108 | Nancy |

| 109 | Daniel |

| 110 | John |

| 111 | Ismael |

| 112 | Jose Manuel |

| 113 | Luis |

| 205 | Shelley |

| 206 | William |

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

68 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name from employees a employee\_id IN(select b.employee\_id from employees where b.employee\_id<>a.manager\_id ) 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 'employee\_id IN(select b.employee\_id from employees where b.employee\_id<>a.manage' at line 1

MariaDB [csd2204w18]> select employee\_id,manager\_id from employees a where employee\_id IN (select manager\_id from employees);

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

| employee\_id | manager\_id |

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

| 100 | 0 |

| 101 | 100 |

| 102 | 100 |

| 114 | 100 |

| 120 | 100 |

| 121 | 100 |

| 122 | 100 |

| 123 | 100 |

| 124 | 100 |

| 145 | 100 |

| 146 | 100 |

| 147 | 100 |

| 148 | 100 |

| 149 | 100 |

| 201 | 100 |

| 108 | 101 |

| 205 | 101 |

| 103 | 102 |

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

18 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name from employees where employee\_id IN(select manager\_id from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID from departments where location\_id IN (select location\_id from locations where country\_id='US')));

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

| employee\_id | first\_name |

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

| 102 | Lex |

| 103 | Alexander |

| 100 | Steven |

| 120 | Matthew |

| 121 | Adam |

| 122 | Payam |

| 123 | Shanta |

| 124 | Kevin |

| 101 | Neena |

| 114 | Den |

| 108 | Nancy |

| 205 | Shelley |

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

12 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,salary from employees where employee\_id IN(select manager\_id from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID from departments where location\_id IN (select location\_id from locations where country\_id='US')));

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

| employee\_id | first\_name | salary |

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

| 100 | Steven | 24000.00 |

| 101 | Neena | 17000.00 |

| 102 | Lex | 17000.00 |

| 103 | Alexander | 9000.00 |

| 108 | Nancy | 12000.00 |

| 114 | Den | 11000.00 |

| 120 | Matthew | 8000.00 |

| 121 | Adam | 8200.00 |

| 122 | Payam | 7900.00 |

| 123 | Shanta | 6500.00 |

| 124 | Kevin | 5800.00 |

| 205 | Shelley | 12000.00 |

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

12 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,salary from employees where salary > (select min(salary) from employees where employee\_id IN(select manager\_id from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID from departments where location\_id IN (select location\_id from locations where country\_id='US'))));

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

| employee\_id | first\_name | salary |

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

| 100 | Steven | 24000.00 |

| 101 | Neena | 17000.00 |

| 102 | Lex | 17000.00 |

| 103 | Alexander | 9000.00 |

| 104 | Bruce | 6000.00 |

| 108 | Nancy | 12000.00 |

| 109 | Daniel | 9000.00 |

| 110 | John | 8200.00 |

| 111 | Ismael | 7700.00 |

| 112 | Jose Manuel | 7800.00 |

| 113 | Luis | 6900.00 |

| 114 | Den | 11000.00 |

| 120 | Matthew | 8000.00 |

| 121 | Adam | 8200.00 |

| 122 | Payam | 7900.00 |

| 123 | Shanta | 6500.00 |

| 145 | John | 14000.00 |

| 146 | Karen | 13500.00 |

| 147 | Alberto | 12000.00 |

| 148 | Gerald | 11000.00 |

| 149 | Eleni | 10500.00 |

| 150 | Peter | 10000.00 |

| 151 | David | 9500.00 |

| 152 | Peter | 9000.00 |

| 153 | Christopher | 8000.00 |

| 154 | Nanette | 7500.00 |

| 155 | Oliver | 7000.00 |

| 156 | Janette | 10000.00 |

| 157 | Patrick | 9500.00 |

| 158 | Allan | 9000.00 |

| 159 | Lindsey | 8000.00 |

| 160 | Louise | 7500.00 |

| 161 | Sarath | 7000.00 |

| 162 | Clara | 10500.00 |

| 163 | Danielle | 9500.00 |

| 164 | Mattea | 7200.00 |

| 165 | David | 6800.00 |

| 166 | Sundar | 6400.00 |

| 167 | Amit | 6200.00 |

| 168 | Lisa | 11500.00 |

| 169 | Harrison | 10000.00 |

| 170 | Tayler | 9600.00 |

| 171 | William | 7400.00 |

| 172 | Elizabeth | 7300.00 |

| 173 | Sundita | 6100.00 |

| 174 | Ellen | 11000.00 |

| 175 | Alyssa | 8800.00 |

| 176 | Jonathon | 8600.00 |

| 177 | Jack | 8400.00 |

| 178 | Kimberely | 7000.00 |

| 179 | Charles | 6200.00 |

| 201 | Michael | 13000.00 |

| 202 | Pat | 6000.00 |

| 203 | Susan | 6500.00 |

| 204 | Hermann | 10000.00 |

| 205 | Shelley | 12000.00 |

| 206 | William | 8300.00 |

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

57 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,salary from employees where employee\_id IN(select manager\_id from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID from departments where location\_id IN (select location\_id from locations where country\_id='US')));

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

| employee\_id | first\_name | salary |

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

| 100 | Steven | 24000.00 |

| 101 | Neena | 17000.00 |

| 102 | Lex | 17000.00 |

| 103 | Alexander | 9000.00 |

| 108 | Nancy | 12000.00 |

| 114 | Den | 11000.00 |

| 120 | Matthew | 8000.00 |

| 121 | Adam | 8200.00 |

| 122 | Payam | 7900.00 |

| 123 | Shanta | 6500.00 |

| 124 | Kevin | 5800.00 |

| 205 | Shelley | 12000.00 |

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

12 rows in set (0.00 sec)

MariaDB [csd2204w18]> select salary from employees ;

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

| salary |

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

| 24000.00 |

| 17000.00 |

| 17000.00 |

| 9000.00 |

| 6000.00 |

| 4800.00 |

| 4800.00 |

| 4200.00 |

| 12000.00 |

| 9000.00 |

| 8200.00 |

| 7700.00 |

| 7800.00 |

| 6900.00 |

| 11000.00 |

| 3100.00 |

| 2900.00 |

| 2800.00 |

| 2600.00 |

| 2500.00 |

| 8000.00 |

| 8200.00 |

| 7900.00 |

| 6500.00 |

| 5800.00 |

| 3200.00 |

| 2700.00 |

| 2400.00 |

| 2200.00 |

| 3300.00 |

| 2800.00 |

| 2500.00 |

| 2100.00 |

| 3300.00 |

| 2900.00 |

| 2400.00 |

| 2200.00 |

| 3600.00 |

| 3200.00 |

| 2700.00 |

| 2500.00 |

| 3500.00 |

| 3100.00 |

| 2600.00 |

| 2500.00 |

| 14000.00 |

| 13500.00 |

| 12000.00 |

| 11000.00 |

| 10500.00 |

| 10000.00 |

| 9500.00 |

| 9000.00 |

| 8000.00 |

| 7500.00 |

| 7000.00 |

| 10000.00 |

| 9500.00 |

| 9000.00 |

| 8000.00 |

| 7500.00 |

| 7000.00 |

| 10500.00 |

| 9500.00 |

| 7200.00 |

| 6800.00 |

| 6400.00 |

| 6200.00 |

| 11500.00 |

| 10000.00 |

| 9600.00 |

| 7400.00 |

| 7300.00 |

| 6100.00 |

| 11000.00 |

| 8800.00 |

| 8600.00 |

| 8400.00 |

| 7000.00 |

| 6200.00 |

| 3200.00 |

| 3100.00 |

| 2500.00 |

| 2800.00 |

| 4200.00 |

| 4100.00 |

| 3400.00 |

| 3000.00 |

| 3800.00 |

| 3600.00 |

| 2900.00 |

| 2500.00 |

| 4000.00 |

| 3900.00 |

| 3200.00 |

| 2800.00 |

| 3100.00 |

| 3000.00 |

| 2600.00 |

| 2600.00 |

| 4400.00 |

| 13000.00 |

| 6000.00 |

| 6500.00 |

| 10000.00 |

| 12000.00 |

| 8300.00 |

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

107 rows in set (0.00 sec)

MariaDB [csd2204w18]> select min(salary) from employees ;

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

| min(salary) |

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

| 2100.00 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,min(salary) from employees where employee\_id IN(select manager\_id from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID from departments where location\_id IN (select location\_id from locations where country\_id='US')));

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

| employee\_id | first\_name | min(salary) |

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

| 100 | Steven | 5800.00 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,salary from employees where employee\_id IN(select manager\_id from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID from departments where location\_id IN (select location\_id from locations where country\_id='US')));

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

| employee\_id | first\_name | salary |

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

| 100 | Steven | 24000.00 |

| 101 | Neena | 17000.00 |

| 102 | Lex | 17000.00 |

| 103 | Alexander | 9000.00 |

| 108 | Nancy | 12000.00 |

| 114 | Den | 11000.00 |

| 120 | Matthew | 8000.00 |

| 121 | Adam | 8200.00 |

| 122 | Payam | 7900.00 |

| 123 | Shanta | 6500.00 |

| 124 | Kevin | 5800.00 |

| 205 | Shelley | 12000.00 |

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

12 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,salary from employees salary > (select min(salary) from employees where employee\_id IN(select manager\_id from employees where 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 '> (select min(salary) from employees where employee\_id IN(select manager\_id from' at line 1

MariaDB [csd2204w18]> select employee\_id,first\_name,salary from employees where salary > (select min(salary) from employees where employee\_id IN(select manager\_id from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID from departments where location\_id IN (select location\_id from locations where country\_id='US'))));

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

| employee\_id | first\_name | salary |

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

| 100 | Steven | 24000.00 |

| 101 | Neena | 17000.00 |

| 102 | Lex | 17000.00 |

| 103 | Alexander | 9000.00 |

| 104 | Bruce | 6000.00 |

| 108 | Nancy | 12000.00 |

| 109 | Daniel | 9000.00 |

| 110 | John | 8200.00 |

| 111 | Ismael | 7700.00 |

| 112 | Jose Manuel | 7800.00 |

| 113 | Luis | 6900.00 |

| 114 | Den | 11000.00 |

| 120 | Matthew | 8000.00 |

| 121 | Adam | 8200.00 |

| 122 | Payam | 7900.00 |

| 123 | Shanta | 6500.00 |

| 145 | John | 14000.00 |

| 146 | Karen | 13500.00 |

| 147 | Alberto | 12000.00 |

| 148 | Gerald | 11000.00 |

| 149 | Eleni | 10500.00 |

| 150 | Peter | 10000.00 |

| 151 | David | 9500.00 |

| 152 | Peter | 9000.00 |

| 153 | Christopher | 8000.00 |

| 154 | Nanette | 7500.00 |

| 155 | Oliver | 7000.00 |

| 156 | Janette | 10000.00 |

| 157 | Patrick | 9500.00 |

| 158 | Allan | 9000.00 |

| 159 | Lindsey | 8000.00 |

| 160 | Louise | 7500.00 |

| 161 | Sarath | 7000.00 |

| 162 | Clara | 10500.00 |

| 163 | Danielle | 9500.00 |

| 164 | Mattea | 7200.00 |

| 165 | David | 6800.00 |

| 166 | Sundar | 6400.00 |

| 167 | Amit | 6200.00 |

| 168 | Lisa | 11500.00 |

| 169 | Harrison | 10000.00 |

| 170 | Tayler | 9600.00 |

| 171 | William | 7400.00 |

| 172 | Elizabeth | 7300.00 |

| 173 | Sundita | 6100.00 |

| 174 | Ellen | 11000.00 |

| 175 | Alyssa | 8800.00 |

| 176 | Jonathon | 8600.00 |

| 177 | Jack | 8400.00 |

| 178 | Kimberely | 7000.00 |

| 179 | Charles | 6200.00 |

| 201 | Michael | 13000.00 |

| 202 | Pat | 6000.00 |

| 203 | Susan | 6500.00 |

| 204 | Hermann | 10000.00 |

| 205 | Shelley | 12000.00 |

| 206 | William | 8300.00 |

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

57 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,salary from employees where salary > (select min(salary) from employees where employee\_id IN(select manager\_id from employees where depARTMENT\_ID in(SELECT DEPARTMENT\_ID from departments where location\_id IN (select location\_id from locations where country\_id='US')))) AND employee\_id NOT IN(select manager\_id from employees);

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

| employee\_id | first\_name | salary |

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

| 104 | Bruce | 6000.00 |

| 109 | Daniel | 9000.00 |

| 110 | John | 8200.00 |

| 111 | Ismael | 7700.00 |

| 112 | Jose Manuel | 7800.00 |

| 113 | Luis | 6900.00 |

| 150 | Peter | 10000.00 |

| 151 | David | 9500.00 |

| 152 | Peter | 9000.00 |

| 153 | Christopher | 8000.00 |

| 154 | Nanette | 7500.00 |

| 155 | Oliver | 7000.00 |

| 156 | Janette | 10000.00 |

| 157 | Patrick | 9500.00 |

| 158 | Allan | 9000.00 |

| 159 | Lindsey | 8000.00 |

| 160 | Louise | 7500.00 |

| 161 | Sarath | 7000.00 |

| 162 | Clara | 10500.00 |

| 163 | Danielle | 9500.00 |

| 164 | Mattea | 7200.00 |

| 165 | David | 6800.00 |

| 166 | Sundar | 6400.00 |

| 167 | Amit | 6200.00 |

| 168 | Lisa | 11500.00 |

| 169 | Harrison | 10000.00 |

| 170 | Tayler | 9600.00 |

| 171 | William | 7400.00 |

| 172 | Elizabeth | 7300.00 |

| 173 | Sundita | 6100.00 |

| 174 | Ellen | 11000.00 |

| 175 | Alyssa | 8800.00 |

| 176 | Jonathon | 8600.00 |

| 177 | Jack | 8400.00 |

| 178 | Kimberely | 7000.00 |

| 179 | Charles | 6200.00 |

| 202 | Pat | 6000.00 |

| 203 | Susan | 6500.00 |

| 204 | Hermann | 10000.00 |

| 206 | William | 8300.00 |

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

40 rows in set (0.00 sec)

Setting environment for using XAMPP for Windows.

726134@128-IMAC23 c:\xampp

# mysql -u root -p;

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

726134@128-IMAC23 c:\xampp

#

726134@128-IMAC23 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 6

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;

ERROR 1007 (HY000): Can't create database 'csd2204w18'; database exists

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]> SET @i = 0; SELECT i, employee\_id

Query OK, 0 rows affected (0.00 sec)

-> FROM (SELECT @i := @i + 1 AS i, employee\_id

-> FROM employees) a WHERE MOD(a.i, 2) = 0;

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

| i | employee\_id |

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

| 2 | 101 |

| 4 | 103 |

| 6 | 105 |

| 8 | 107 |

| 10 | 109 |

| 12 | 111 |

| 14 | 113 |

| 16 | 115 |

| 18 | 117 |

| 20 | 119 |

| 22 | 121 |

| 24 | 123 |

| 26 | 125 |

| 28 | 127 |

| 30 | 129 |

| 32 | 131 |

| 34 | 133 |

| 36 | 135 |

| 38 | 137 |

| 40 | 139 |

| 42 | 141 |

| 44 | 143 |

| 46 | 145 |

| 48 | 147 |

| 50 | 149 |

| 52 | 151 |

| 54 | 153 |

| 56 | 155 |

| 58 | 157 |

| 60 | 159 |

| 62 | 161 |

| 64 | 163 |

| 66 | 165 |

| 68 | 167 |

| 70 | 169 |

| 72 | 171 |

| 74 | 173 |

| 76 | 175 |

| 78 | 177 |

| 80 | 179 |

| 82 | 181 |

| 84 | 183 |

| 86 | 185 |

| 88 | 187 |

| 90 | 189 |

| 92 | 191 |

| 94 | 193 |

| 96 | 195 |

| 98 | 197 |

| 100 | 199 |

| 102 | 201 |

| 104 | 203 |

| 106 | 205 |

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

53 rows in set (0.11 sec)

MariaDB [csd2204w18]> SELECT DISTINCT salary FROM employees e1

-> WHERE 5 = (SELECT COUNT(DISTINCT salary)

-> FROM employees e2

-> WHERE e2.salary >= e1.salary);

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

| salary |

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

| 13000.00 |

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

1 row in set (0.03 sec)

MariaDB [csd2204w18]> SELECT DISTINCT salary FROM employees e1

-> WHERE 4 = (SELECT COUNT(DISTINCT salary)

-> FROM employees e2

-> WHERE e2.salary <= e1.salary);

+---------+

| salary |

+---------+

| 2500.00 |

+---------+

1 row in set (0.02 sec)

MariaDB [csd2204w18]> SELECT \* FROM (SELECT \* FROM employees

-> ORDER BY employee\_id DESC LIMIT 10) sub

-> ORDER BY employee\_id ASC;

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

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

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

| 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 |

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

10 rows in set (0.03 sec)

MariaDB [csd2204w18]> SELECT \* FROM departments

-> WHERE department\_id NOT IN (select

-> department\_id FROM employees);

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

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

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

| 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 |

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

16 rows in set (0.00 sec)

MariaDB [csd2204w18]> SELECT DISTINCT salary FROM employees a

-> WHERE 3 >= (SELECT COUNT(DISTINCT salary)

-> FROM employees b

-> WHERE b.salary >= a.salary)

-> ORDER BY a.salary DESC;

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

| salary |

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

| 24000.00 |

| 17000.00 |

| 14000.00 |

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

3 rows in set (0.01 sec)

MariaDB [csd2204w18]> SELECT DISTINCT salary FROM employees a

-> WHERE 3 >= (SELECT COUNT(DISTINCT salary)

-> FROM employees b

-> WHERE b.salary <= a.salary)

-> ORDER BY a.salary DESC;

+---------+

| salary |

+---------+

| 2400.00 |

| 2200.00 |

| 2100.00 |

+---------+

3 rows in set (0.02 sec)

MariaDB [csd2204w18]> SELECT \* FROM employees emp1

-> WHERE (5) = (SELECT COUNT(DISTINCT(emp2.salary))

-> FROM employees emp2

-> WHERE emp2.salary > emp1.salary);

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

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

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

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

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

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

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

3 rows in set (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> exit

Bye