Setting environment for using XAMPP for Windows.

728636@128-IMAC10 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)]> mysql -u root -p csd2204w18 < c:/xampp/day8sql.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/day8sql.sql' at line 1

MariaDB [(none)]> exit

Bye

728636@128-IMAC10 c:\xampp

# mysql -u root -p csd2204w18 < c:/xampp/day8sql.sql

Enter password:

ERROR 1049 (42000): Unknown database 'csd2204w18'

728636@128-IMAC10 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 4

Server version: 10.1.21-MariaDB mariadb.org binary distribution

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

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

MariaDB [(none)]> create database csd2204w18;

Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> exit

Bye

728636@128-IMAC10 c:\xampp

# mysql -u root -p csd2204w18 < c:/xampp/day9sql.sql

The system cannot find the file specified.

728636@128-IMAC10 c:\xampp

# mysql -u root -p csd2204w18 < C:\xampp\day9sql.sql

The system cannot find the file specified.

728636@128-IMAC10 c:\xampp

# mysql - u root -p

mysql Ver 15.1 Distrib 10.1.21-MariaDB, for Win32 (AMD64)

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

Usage: mysql [OPTIONS] [database]

Default options are read from the following files in the given order:

C:\Windows\my.ini C:\Windows\my.cnf C:\my.ini C:\my.cnf C:\xampp\mysql\my.ini C:\xampp\mysql\my.cnf C:\xampp\mysql\data\my.ini C:\xampp\mysql\data\my.cnf C:\xampp\mysql\bin\my.ini C:\xampp\mysql\bin\my.cnf

The following groups are read: mysql client client-server client-mariadb

The following options may be given as the first argument:

--print-defaults Print the program argument list and exit.

--no-defaults Don't read default options from any option file.

--defaults-file=# Only read default options from the given file #.

--defaults-extra-file=# Read this file after the global files are read.

-?, --help Display this help and exit.

-I, --help Synonym for -?

--abort-source-on-error

Abort 'source filename' operations in case of errors

--auto-rehash Enable automatic rehashing. One doesn't need to use

'rehash' to get table and field completion, but startup

and reconnecting may take a longer time. Disable with

--disable-auto-rehash.

(Defaults to on; use --skip-auto-rehash to disable.)

-A, --no-auto-rehash

No automatic rehashing. One has to use 'rehash' to get

table and field completion. This gives a quicker start of

mysql and disables rehashing on reconnect.

--auto-vertical-output

Automatically switch to vertical output mode if the

result is wider than the terminal width.

-B, --batch Don't use history file. Disable interactive behavior.

(Enables --silent.)

--character-sets-dir=name

Directory for character set files.

--column-type-info Display column type information.

-c, --comments Preserve comments. Send comments to the server. The

default is --skip-comments (discard comments), enable

with --comments.

-C, --compress Use compression in server/client protocol.

-#, --debug[=#] This is a non-debug version. Catch this and exit.

--debug-check Check memory and open file usage at exit.

-T, --debug-info Print some debug info at exit.

-D, --database=name Database to use.

--default-character-set=name

Set the default character set.

--delimiter=name Delimiter to be used.

-e, --execute=name Execute command and quit. (Disables --force and history

file.)

-E, --vertical Print the output of a query (rows) vertically.

-f, --force Continue even if we get an SQL error. Sets

abort-source-on-error to 0

-G, --named-commands

Enable named commands. Named commands mean this program's

internal commands; see mysql> help . When enabled, the

named commands can be used from any line of the query,

otherwise only from the first line, before an enter.

Disable with --disable-named-commands. This option is

disabled by default.

-i, --ignore-spaces Ignore space after function names.

--init-command=name SQL Command to execute when connecting to MySQL server.

Will automatically be re-executed when reconnecting.

--local-infile Enable/disable LOAD DATA LOCAL INFILE.

-b, --no-beep Turn off beep on error.

-h, --host=name Connect to host.

-H, --html Produce HTML output.

-X, --xml Produce XML output.

--line-numbers Write line numbers for errors.

(Defaults to on; use --skip-line-numbers to disable.)

-L, --skip-line-numbers

Don't write line number for errors.

-n, --unbuffered Flush buffer after each query.

--column-names Write column names in results.

(Defaults to on; use --skip-column-names to disable.)

-N, --skip-column-names

Don't write column names in results.

--sigint-ignore Ignore SIGINT (CTRL-C).

-o, --one-database Ignore statements except those that occur while the

default database is the one named at the command line.

-p, --password[=name]

Password to use when connecting to server. If password is

not given it's asked from the tty.

-W, --pipe Use named pipes to connect to server.

-P, --port=# Port number to use for connection or 0 for default to, in

order of preference, my.cnf, $MYSQL\_TCP\_PORT,

/etc/services, built-in default (3306).

--progress-reports Get progress reports for long running commands (like

ALTER TABLE)

(Defaults to on; use --skip-progress-reports to disable.)

--prompt=name Set the mysql prompt to this value.

--protocol=name The protocol to use for connection (tcp, socket, pipe,

memory).

-q, --quick Don't cache result, print it row by row. This may slow

down the server if the output is suspended. Doesn't use

history file.

-r, --raw Write fields without conversion. Used with --batch.

--reconnect Reconnect if the connection is lost. Disable with

--disable-reconnect. This option is enabled by default.

(Defaults to on; use --skip-reconnect to disable.)

-s, --silent Be more silent. Print results with a tab as separator,

each row on new line.

--shared-memory-base-name=name

Base name of shared memory.

-S, --socket=name The socket file to use for connection.

--ssl Enable SSL for connection (automatically enabled with

other flags).

--ssl-ca=name CA file in PEM format (check OpenSSL docs, implies

--ssl).

--ssl-capath=name CA directory (check OpenSSL docs, implies --ssl).

--ssl-cert=name X509 cert in PEM format (implies --ssl).

--ssl-cipher=name SSL cipher to use (implies --ssl).

--ssl-key=name X509 key in PEM format (implies --ssl).

--ssl-crl=name Certificate revocation list (implies --ssl).

--ssl-crlpath=name Certificate revocation list path (implies --ssl).

--ssl-verify-server-cert

Verify server's "Common Name" in its cert against

hostname used when connecting. This option is disabled by

default.

-t, --table Output in table format.

--tee=name Append everything into outfile. See interactive help (\h)

also. Does not work in batch mode. Disable with

--disable-tee. This option is disabled by default.

-u, --user=name User for login if not current user.

-U, --safe-updates Only allow UPDATE and DELETE that uses keys.

-U, --i-am-a-dummy Synonym for option --safe-updates, -U.

-v, --verbose Write more. (-v -v -v gives the table output format).

-V, --version Output version information and exit.

-w, --wait Wait and retry if connection is down.

--connect-timeout=# Number of seconds before connection timeout.

--max-allowed-packet=#

The maximum packet length to send to or receive from

server.

--net-buffer-length=#

The buffer size for TCP/IP and socket communication.

--select-limit=# Automatic limit for SELECT when using --safe-updates.

--max-join-size=# Automatic limit for rows in a join when using

--safe-updates.

--secure-auth Refuse client connecting to server if it uses old

(pre-4.1.1) protocol.

--server-arg=name Send embedded server this as a parameter.

--show-warnings Show warnings after every statement.

--plugin-dir=name Directory for client-side plugins.

--default-auth=name Default authentication client-side plugin to use.

--binary-mode By default, ASCII '\0' is disallowed and '\r\n' is

translated to '\n'. This switch turns off both features,

and also turns off parsing of all clientcommands except

\C and DELIMITER, in non-interactive mode (for input

piped to mysql or loaded using the 'source' command).

This is necessary when processing output from mysqlbinlog

that may contain blobs.

Variables (--variable-name=value)

and boolean options {FALSE|TRUE} Value (after reading options)

--------------------------------- ----------------------------------------

abort-source-on-error FALSE

auto-rehash FALSE

auto-vertical-output FALSE

character-sets-dir (No default value)

column-type-info FALSE

comments FALSE

compress FALSE

debug-check FALSE

debug-info FALSE

database (No default value)

default-character-set auto

delimiter ;

vertical FALSE

force FALSE

named-commands FALSE

ignore-spaces FALSE

init-command (No default value)

local-infile FALSE

no-beep FALSE

host (No default value)

html FALSE

xml FALSE

line-numbers TRUE

unbuffered FALSE

column-names TRUE

sigint-ignore FALSE

port 3306

progress-reports TRUE

prompt \N [\d]>

quick FALSE

raw FALSE

reconnect TRUE

shared-memory-base-name (No default value)

socket C:/xampp/mysql/mysql.sock

ssl FALSE

ssl-ca (No default value)

ssl-capath (No default value)

ssl-cert (No default value)

ssl-cipher (No default value)

ssl-key (No default value)

ssl-crl (No default value)

ssl-crlpath (No default value)

ssl-verify-server-cert FALSE

table FALSE

user (No default value)

safe-updates FALSE

i-am-a-dummy FALSE

connect-timeout 0

max-allowed-packet 16777216

net-buffer-length 16384

select-limit 1000

max-join-size 1000000

secure-auth FALSE

show-warnings FALSE

plugin-dir (No default value)

default-auth (No default value)

binary-mode FALSE

728636@128-IMAC10 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)]> show databases;

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

| Database |

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

| csd2204w18 |

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| test |

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

6 rows in set (0.06 sec)

MariaDB [(none)]> use csd2204w18;

Database changed

MariaDB [csd2204w18]> tee c:\xampp\day9log.txt

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

MariaDB [csd2204w18]> -- MySQL dump 10.16 Distrib 10.1.21-MariaDB, for Win32 (AMD64)

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]> -- Host: localhost Database: localhost

MariaDB [csd2204w18]> -- ------------------------------------------------------

MariaDB [csd2204w18]> -- Server version10.1.21-MariaDB

MariaDB [csd2204w18]>

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

Query OK, 0 rows affected (0.00 sec)

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

Query OK, 0 rows affected (0.00 sec)

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

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET NAMES utf8 \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40103 SET @OLD\_TIME\_ZONE=@@TIME\_ZONE \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40103 SET TIME\_ZONE='+00:00' \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40014 SET @OLD\_UNIQUE\_CHECKS=@@UNIQUE\_CHECKS, UNIQUE\_CHECKS=0 \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40014 SET @OLD\_FOREIGN\_KEY\_CHECKS=@@FOREIGN\_KEY\_CHECKS, FOREIGN\_KEY\_CHECKS=0 \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET @OLD\_SQL\_MODE=@@SQL\_MODE, SQL\_MODE='NO\_AUTO\_VALUE\_ON\_ZERO' \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40111 SET @OLD\_SQL\_NOTES=@@SQL\_NOTES, SQL\_NOTES=0 \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]> -- Table structure for table `animals`

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> DROP TABLE IF EXISTS `animals`;

Query OK, 0 rows affected (0.78 sec)

MariaDB [csd2204w18]> /\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET character\_set\_client = utf8 \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> CREATE TABLE `animals` (

-> `id` mediumint(9) NOT NULL AUTO\_INCREMENT,

-> `name` char(30) NOT NULL,

-> PRIMARY KEY (`id`)

-> ) ENGINE=InnoDB AUTO\_INCREMENT=12 DEFAULT CHARSET=latin1;

Query OK, 0 rows affected (2.89 sec)

MariaDB [csd2204w18]> /\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

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

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> LOCK TABLES `animals` WRITE;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40000 ALTER TABLE `animals` DISABLE KEYS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> INSERT INTO `animals` VALUES (1,'dog'),(2,'cat'),(3,'penguin'),(4,'lax'),(5,'whale'),(6,'ostrich'),(7,'kangaroo'),(10,'panda'),(11,'tiger');

Query OK, 9 rows affected (0.44 sec)

Records: 9 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> /\*!40000 ALTER TABLE `animals` ENABLE KEYS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> UNLOCK TABLES;

Query OK, 0 rows affected (0.88 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]> -- Table structure for table `countries`

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> DROP TABLE IF EXISTS `countries`;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET character\_set\_client = utf8 \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> CREATE TABLE `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`)

-> ) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected (0.52 sec)

MariaDB [csd2204w18]> /\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

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

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> LOCK TABLES `countries` WRITE;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40000 ALTER TABLE `countries` DISABLE KEYS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> INSERT INTO `countries` 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 (0.00 sec)

Records: 25 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> /\*!40000 ALTER TABLE `countries` ENABLE KEYS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> UNLOCK TABLES;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]> -- Table structure for table `departments`

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> DROP TABLE IF EXISTS `departments`;

Query OK, 0 rows affected (0.02 sec)

MariaDB [csd2204w18]> /\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET character\_set\_client = utf8 \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> CREATE TABLE `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`)

-> ) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected (0.69 sec)

MariaDB [csd2204w18]> /\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

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

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> LOCK TABLES `departments` WRITE;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40000 ALTER TABLE `departments` DISABLE KEYS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> INSERT INTO `departments` 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 (0.02 sec)

Records: 27 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> /\*!40000 ALTER TABLE `departments` ENABLE KEYS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> UNLOCK TABLES;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]> -- Table structure for table `employees`

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> DROP TABLE IF EXISTS `employees`;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET character\_set\_client = utf8 \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> CREATE TABLE `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`)

-> ) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected (0.56 sec)

MariaDB [csd2204w18]> /\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

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

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> LOCK TABLES `employees` WRITE;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40000 ALTER TABLE `employees` DISABLE KEYS \*/;

Query OK, 0 rows affected (0.02 sec)

MariaDB [csd2204w18]> INSERT INTO `employees` 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 (0.02 sec)

Records: 107 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> /\*!40000 ALTER TABLE `employees` ENABLE KEYS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> UNLOCK TABLES;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]> -- Table structure for table `job\_history`

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> DROP TABLE IF EXISTS `job\_history`;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET character\_set\_client = utf8 \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> CREATE TABLE `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`)

-> ) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected (0.67 sec)

MariaDB [csd2204w18]> /\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]> -- Dumping data for table `job\_history`

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> LOCK TABLES `job\_history` WRITE;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40000 ALTER TABLE `job\_history` DISABLE KEYS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> INSERT INTO `job\_history` 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 (0.00 sec)

Records: 11 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> /\*!40000 ALTER TABLE `job\_history` ENABLE KEYS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> UNLOCK TABLES;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]> -- Table structure for table `jobs`

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> DROP TABLE IF EXISTS `jobs`;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET character\_set\_client = utf8 \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> CREATE TABLE `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`)

-> ) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected (0.45 sec)

MariaDB [csd2204w18]> /\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

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

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> LOCK TABLES `jobs` WRITE;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40000 ALTER TABLE `jobs` DISABLE KEYS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> INSERT INTO `jobs` 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 (0.00 sec)

Records: 19 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> /\*!40000 ALTER TABLE `jobs` ENABLE KEYS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> UNLOCK TABLES;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]> -- Table structure for table `locations`

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> DROP TABLE IF EXISTS `locations`;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET character\_set\_client = utf8 \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> CREATE TABLE `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 (0.39 sec)

MariaDB [csd2204w18]> /\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

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

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> LOCK TABLES `locations` WRITE;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40000 ALTER TABLE `locations` DISABLE KEYS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> INSERT INTO `locations` 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]> /\*!40000 ALTER TABLE `locations` ENABLE KEYS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> UNLOCK TABLES;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]> -- Table structure for table `manu`

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> DROP TABLE IF EXISTS `manu`;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET character\_set\_client = utf8 \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> CREATE TABLE `manu` (

-> `Code` int(3) NOT NULL AUTO\_INCREMENT,

-> `Name` varchar(50) NOT NULL,

-> PRIMARY KEY (`Code`)

-> ) ENGINE=InnoDB AUTO\_INCREMENT=10 DEFAULT CHARSET=latin1;

Query OK, 0 rows affected (2.14 sec)

MariaDB [csd2204w18]> /\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

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

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> LOCK TABLES `manu` WRITE;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40000 ALTER TABLE `manu` DISABLE KEYS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> INSERT INTO `manu` VALUES (1,'Sony'),(2,'Creative Labs'),(3,'Hewlett-Packard'),(4,'Iomega'),(5,'Fujitsu'),(6,'Winchester'),(7,'moxDroid Labs Inc'),(8,'Dell'),(9,'Bell Labs');

Query OK, 9 rows affected (0.41 sec)

Records: 9 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> /\*!40000 ALTER TABLE `manu` ENABLE KEYS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> UNLOCK TABLES;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]> -- Table structure for table `pet`

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> DROP TABLE IF EXISTS `pet`;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET character\_set\_client = utf8 \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> CREATE TABLE `pet` (

-> `name` varchar(20) DEFAULT NULL,

-> `owner` varchar(20) DEFAULT NULL,

-> `species` varchar(20) DEFAULT NULL,

-> `sex` char(2) DEFAULT NULL,

-> `birth` date DEFAULT NULL,

-> `death` date DEFAULT NULL

-> ) ENGINE=InnoDB DEFAULT CHARSET=latin1;

Query OK, 0 rows affected (4.83 sec)

MariaDB [csd2204w18]> /\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

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

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> LOCK TABLES `pet` WRITE;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40000 ALTER TABLE `pet` DISABLE KEYS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> INSERT INTO `pet` VALUES ('Fluffy','Harold','cat','f','1993-02-04','0000-00-00'),('Claws','Gwen','cat','m','1994-03-17','0000-00-00'),('Buffy','Harold','dog','f','1989-05-13','0000-00-00'),('Fang','Benny','dog','m','1990-08-27','0000-00-00'),('Bowser','Diane','dog','m','1979-08-31','1995-07-29'),('Chirpy','Gwen','bird','f','1998-09-11','0000-00-00'),('Whistler','Gwen','bird','','1997-12-09','0000-00-00'),('Slim','Benny','snake','m','1996-04-29','0000-00-00'),('123',NULL,NULL,NULL,NULL,NULL),('ABC123',NULL,NULL,NULL,NULL,NULL),('nh123',NULL,NULL,NULL,NULL,NULL);

Query OK, 11 rows affected (0.63 sec)

Records: 11 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> /\*!40000 ALTER TABLE `pet` ENABLE KEYS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> UNLOCK TABLES;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]> -- Table structure for table `products`

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> DROP TABLE IF EXISTS `products`;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET character\_set\_client = utf8 \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> CREATE TABLE `products` (

-> `Code` int(3) NOT NULL AUTO\_INCREMENT,

-> `Name` varchar(255) NOT NULL,

-> `Price` decimal(10,0) NOT NULL,

-> `Manufacturer` int(3) DEFAULT NULL,

-> PRIMARY KEY (`Code`),

-> KEY `FK\_PRODUCTS` (`Manufacturer`),

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

-> ) ENGINE=InnoDB AUTO\_INCREMENT=14 DEFAULT CHARSET=latin1;

Query OK, 0 rows affected (5.44 sec)

MariaDB [csd2204w18]> /\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

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

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> LOCK TABLES `products` WRITE;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40000 ALTER TABLE `products` DISABLE KEYS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> INSERT INTO `products` VALUES (1,'Hard drive',240,5),(2,'Memory',120,6),(3,'ZIP drive',150,4),(4,'Floppy disk',5,6),(5,'Monitor',240,1),(6,'DVD drive',180,2),(7,'CD drive',90,2),(8,'Printer',270,3),(9,'Toner cartridge',66,3),(10,'DVD burner',180,2),(11,'Printer',40,7),(12,'Toner cartridge',54,7),(13,'DVD burner',78,7);

Query OK, 13 rows affected (1.38 sec)

Records: 13 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> /\*!40000 ALTER TABLE `products` ENABLE KEYS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> UNLOCK TABLES;

Query OK, 0 rows affected (0.02 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]> -- Table structure for table `regions`

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> DROP TABLE IF EXISTS `regions`;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET @saved\_cs\_client = @@character\_set\_client \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40101 SET character\_set\_client = utf8 \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> CREATE TABLE `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 (0.38 sec)

MariaDB [csd2204w18]> /\*!40101 SET character\_set\_client = @saved\_cs\_client \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

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

MariaDB [csd2204w18]> --

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> LOCK TABLES `regions` WRITE;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40000 ALTER TABLE `regions` DISABLE KEYS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> INSERT INTO `regions` 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]> /\*!40000 ALTER TABLE `regions` ENABLE KEYS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> UNLOCK TABLES;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40103 SET TIME\_ZONE=@OLD\_TIME\_ZONE \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> /\*!40101 SET SQL\_MODE=@OLD\_SQL\_MODE \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40014 SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40014 SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS \*/;

Query OK, 0 rows affected (0.00 sec)

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

Query OK, 0 rows affected (0.00 sec)

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 \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> /\*!40111 SET SQL\_NOTES=@OLD\_SQL\_NOTES \*/;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> -- Dump completed on 2018-01-17 11:22:17

MariaDB [csd2204w18]> desc employees;

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

11 rows in set (0.39 sec)

MariaDB [csd2204w18]> desc salaries;

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

MariaDB [csd2204w18]> show tables

-> ;

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

| Tables\_in\_csd2204w18 |

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

| animals |

| countries |

| departments |

| employees |

| job\_history |

| jobs |

| locations |

| manu |

| pet |

| products |

| regions |

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

11 rows in set (0.00 sec)

MariaDB [csd2204w18]> show jobs;

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 'jobs' at line 1

MariaDB [csd2204w18]> desc jobs;

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

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

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

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

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

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

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

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

4 rows in set (0.06 sec)

MariaDB [csd2204w18]> desc departments;

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

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

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

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

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

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

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

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

4 rows in set (0.09 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name where salary > ( select avg(salary) from employees group by department\_id);

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

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

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

| avg(salary) |

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

| 6461.682243 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select avg(salary) from employees group by department\_id;

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

| avg(salary) |

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

| 7000.000000 |

| 4400.000000 |

| 9500.000000 |

| 4150.000000 |

| 6500.000000 |

| 3475.555556 |

| 5760.000000 |

| 10000.000000 |

| 8955.882353 |

| 19333.333333 |

| 8600.000000 |

| 10150.000000 |

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

12 rows in set (0.00 sec)

MariaDB [csd2204w18]> select avg(salary),department\_id from employees group by department\_id;

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

| avg(salary) | department\_id |

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

| 7000.000000 | 0 |

| 4400.000000 | 10 |

| 9500.000000 | 20 |

| 4150.000000 | 30 |

| 6500.000000 | 40 |

| 3475.555556 | 50 |

| 5760.000000 | 60 |

| 10000.000000 | 70 |

| 8955.882353 | 80 |

| 19333.333333 | 90 |

| 8600.000000 | 100 |

| 10150.000000 | 110 |

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

12 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name,salary from employees where salary > any( select avg(salary) from employees group by department\_id);

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

| employee\_id | first\_name | last\_name | salary |

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

| 100 | Steven | King | 24000.00 |

| 101 | Neena | Kochhar | 17000.00 |

| 102 | Lex | De Haan | 17000.00 |

| 103 | Alexander | Hunold | 9000.00 |

| 104 | Bruce | Ernst | 6000.00 |

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 108 | Nancy | Greenberg | 12000.00 |

| 109 | Daniel | Faviet | 9000.00 |

| 110 | John | Chen | 8200.00 |

| 111 | Ismael | Sciarra | 7700.00 |

| 112 | Jose Manuel | Urman | 7800.00 |

| 113 | Luis | Popp | 6900.00 |

| 114 | Den | Raphaely | 11000.00 |

| 120 | Matthew | Weiss | 8000.00 |

| 121 | Adam | Fripp | 8200.00 |

| 122 | Payam | Kaufling | 7900.00 |

| 123 | Shanta | Vollman | 6500.00 |

| 124 | Kevin | Mourgos | 5800.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 145 | John | Russell | 14000.00 |

| 146 | Karen | Partners | 13500.00 |

| 147 | Alberto | Errazuriz | 12000.00 |

| 148 | Gerald | Cambrault | 11000.00 |

| 149 | Eleni | Zlotkey | 10500.00 |

| 150 | Peter | Tucker | 10000.00 |

| 151 | David | Bernstein | 9500.00 |

| 152 | Peter | Hall | 9000.00 |

| 153 | Christopher | Olsen | 8000.00 |

| 154 | Nanette | Cambrault | 7500.00 |

| 155 | Oliver | Tuvault | 7000.00 |

| 156 | Janette | King | 10000.00 |

| 157 | Patrick | Sully | 9500.00 |

| 158 | Allan | McEwen | 9000.00 |

| 159 | Lindsey | Smith | 8000.00 |

| 160 | Louise | Doran | 7500.00 |

| 161 | Sarath | Sewall | 7000.00 |

| 162 | Clara | Vishney | 10500.00 |

| 163 | Danielle | Greene | 9500.00 |

| 164 | Mattea | Marvins | 7200.00 |

| 165 | David | Lee | 6800.00 |

| 166 | Sundar | Ande | 6400.00 |

| 167 | Amit | Banda | 6200.00 |

| 168 | Lisa | Ozer | 11500.00 |

| 169 | Harrison | Bloom | 10000.00 |

| 170 | Tayler | Fox | 9600.00 |

| 171 | William | Smith | 7400.00 |

| 172 | Elizabeth | Bates | 7300.00 |

| 173 | Sundita | Kumar | 6100.00 |

| 174 | Ellen | Abel | 11000.00 |

| 175 | Alyssa | Hutton | 8800.00 |

| 176 | Jonathon | Taylor | 8600.00 |

| 177 | Jack | Livingston | 8400.00 |

| 178 | Kimberely | Grant | 7000.00 |

| 179 | Charles | Johnson | 6200.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 200 | Jennifer | Whalen | 4400.00 |

| 201 | Michael | Hartstein | 13000.00 |

| 202 | Pat | Fay | 6000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 205 | Shelley | Higgins | 12000.00 |

| 206 | William | Gietz | 8300.00 |

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

70 rows in set (0.00 sec)

MariaDB [csd2204w18]> select department\_id,employee\_id,first\_name,last\_name,salary from employees where salary > any( select avg(salary) from employees group by department\_id);

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

| department\_id | employee\_id | first\_name | last\_name | salary |

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

| 90 | 100 | Steven | King | 24000.00 |

| 90 | 101 | Neena | Kochhar | 17000.00 |

| 90 | 102 | Lex | De Haan | 17000.00 |

| 60 | 103 | Alexander | Hunold | 9000.00 |

| 60 | 104 | Bruce | Ernst | 6000.00 |

| 60 | 105 | David | Austin | 4800.00 |

| 60 | 106 | Valli | Pataballa | 4800.00 |

| 60 | 107 | Diana | Lorentz | 4200.00 |

| 100 | 108 | Nancy | Greenberg | 12000.00 |

| 100 | 109 | Daniel | Faviet | 9000.00 |

| 100 | 110 | John | Chen | 8200.00 |

| 100 | 111 | Ismael | Sciarra | 7700.00 |

| 100 | 112 | Jose Manuel | Urman | 7800.00 |

| 100 | 113 | Luis | Popp | 6900.00 |

| 30 | 114 | Den | Raphaely | 11000.00 |

| 50 | 120 | Matthew | Weiss | 8000.00 |

| 50 | 121 | Adam | Fripp | 8200.00 |

| 50 | 122 | Payam | Kaufling | 7900.00 |

| 50 | 123 | Shanta | Vollman | 6500.00 |

| 50 | 124 | Kevin | Mourgos | 5800.00 |

| 50 | 137 | Renske | Ladwig | 3600.00 |

| 50 | 141 | Trenna | Rajs | 3500.00 |

| 80 | 145 | John | Russell | 14000.00 |

| 80 | 146 | Karen | Partners | 13500.00 |

| 80 | 147 | Alberto | Errazuriz | 12000.00 |

| 80 | 148 | Gerald | Cambrault | 11000.00 |

| 80 | 149 | Eleni | Zlotkey | 10500.00 |

| 80 | 150 | Peter | Tucker | 10000.00 |

| 80 | 151 | David | Bernstein | 9500.00 |

| 80 | 152 | Peter | Hall | 9000.00 |

| 80 | 153 | Christopher | Olsen | 8000.00 |

| 80 | 154 | Nanette | Cambrault | 7500.00 |

| 80 | 155 | Oliver | Tuvault | 7000.00 |

| 80 | 156 | Janette | King | 10000.00 |

| 80 | 157 | Patrick | Sully | 9500.00 |

| 80 | 158 | Allan | McEwen | 9000.00 |

| 80 | 159 | Lindsey | Smith | 8000.00 |

| 80 | 160 | Louise | Doran | 7500.00 |

| 80 | 161 | Sarath | Sewall | 7000.00 |

| 80 | 162 | Clara | Vishney | 10500.00 |

| 80 | 163 | Danielle | Greene | 9500.00 |

| 80 | 164 | Mattea | Marvins | 7200.00 |

| 80 | 165 | David | Lee | 6800.00 |

| 80 | 166 | Sundar | Ande | 6400.00 |

| 80 | 167 | Amit | Banda | 6200.00 |

| 80 | 168 | Lisa | Ozer | 11500.00 |

| 80 | 169 | Harrison | Bloom | 10000.00 |

| 80 | 170 | Tayler | Fox | 9600.00 |

| 80 | 171 | William | Smith | 7400.00 |

| 80 | 172 | Elizabeth | Bates | 7300.00 |

| 80 | 173 | Sundita | Kumar | 6100.00 |

| 80 | 174 | Ellen | Abel | 11000.00 |

| 80 | 175 | Alyssa | Hutton | 8800.00 |

| 80 | 176 | Jonathon | Taylor | 8600.00 |

| 80 | 177 | Jack | Livingston | 8400.00 |

| 0 | 178 | Kimberely | Grant | 7000.00 |

| 80 | 179 | Charles | Johnson | 6200.00 |

| 50 | 184 | Nandita | Sarchand | 4200.00 |

| 50 | 185 | Alexis | Bull | 4100.00 |

| 50 | 188 | Kelly | Chung | 3800.00 |

| 50 | 189 | Jennifer | Dilly | 3600.00 |

| 50 | 192 | Sarah | Bell | 4000.00 |

| 50 | 193 | Britney | Everett | 3900.00 |

| 10 | 200 | Jennifer | Whalen | 4400.00 |

| 20 | 201 | Michael | Hartstein | 13000.00 |

| 20 | 202 | Pat | Fay | 6000.00 |

| 40 | 203 | Susan | Mavris | 6500.00 |

| 70 | 204 | Hermann | Baer | 10000.00 |

| 110 | 205 | Shelley | Higgins | 12000.00 |

| 110 | 206 | William | Gietz | 8300.00 |

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

70 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name from employees as a where salary > (select avg(salary) from employees where department\_id = a.department\_id);

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

| employee\_id | first\_name |

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

| 100 | Steven |

| 103 | Alexander |

| 104 | Bruce |

| 108 | Nancy |

| 109 | Daniel |

| 114 | Den |

| 120 | Matthew |

| 121 | Adam |

| 122 | Payam |

| 123 | Shanta |

| 124 | Kevin |

| 137 | Renske |

| 141 | Trenna |

| 145 | John |

| 146 | Karen |

| 147 | Alberto |

| 148 | Gerald |

| 149 | Eleni |

| 150 | Peter |

| 151 | David |

| 152 | Peter |

| 156 | Janette |

| 157 | Patrick |

| 158 | Allan |

| 162 | Clara |

| 163 | Danielle |

| 168 | Lisa |

| 169 | Harrison |

| 170 | Tayler |

| 174 | Ellen |

| 184 | Nandita |

| 185 | Alexis |

| 188 | Kelly |

| 189 | Jennifer |

| 192 | Sarah |

| 193 | Britney |

| 201 | Michael |

| 205 | Shelley |

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

38 rows in set (0.00 sec)

MariaDB [csd2204w18]> select department\_id,employee\_id,first\_name,last\_name from employees as a where salary > (select avg(salary) from employees where department\_id = a.department\_id);

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

| department\_id | employee\_id | first\_name | last\_name |

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

| 90 | 100 | Steven | King |

| 60 | 103 | Alexander | Hunold |

| 60 | 104 | Bruce | Ernst |

| 100 | 108 | Nancy | Greenberg |

| 100 | 109 | Daniel | Faviet |

| 30 | 114 | Den | Raphaely |

| 50 | 120 | Matthew | Weiss |

| 50 | 121 | Adam | Fripp |

| 50 | 122 | Payam | Kaufling |

| 50 | 123 | Shanta | Vollman |

| 50 | 124 | Kevin | Mourgos |

| 50 | 137 | Renske | Ladwig |

| 50 | 141 | Trenna | Rajs |

| 80 | 145 | John | Russell |

| 80 | 146 | Karen | Partners |

| 80 | 147 | Alberto | Errazuriz |

| 80 | 148 | Gerald | Cambrault |

| 80 | 149 | Eleni | Zlotkey |

| 80 | 150 | Peter | Tucker |

| 80 | 151 | David | Bernstein |

| 80 | 152 | Peter | Hall |

| 80 | 156 | Janette | King |

| 80 | 157 | Patrick | Sully |

| 80 | 158 | Allan | McEwen |

| 80 | 162 | Clara | Vishney |

| 80 | 163 | Danielle | Greene |

| 80 | 168 | Lisa | Ozer |

| 80 | 169 | Harrison | Bloom |

| 80 | 170 | Tayler | Fox |

| 80 | 174 | Ellen | Abel |

| 50 | 184 | Nandita | Sarchand |

| 50 | 185 | Alexis | Bull |

| 50 | 188 | Kelly | Chung |

| 50 | 189 | Jennifer | Dilly |

| 50 | 192 | Sarah | Bell |

| 50 | 193 | Britney | Everett |

| 20 | 201 | Michael | Hartstein |

| 110 | 205 | Shelley | Higgins |

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

38 rows in set (0.00 sec)

MariaDB [csd2204w18]> select avg(salary),department\_id from employees group by department\_id;

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

| avg(salary) | department\_id |

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

| 7000.000000 | 0 |

| 4400.000000 | 10 |

| 9500.000000 | 20 |

| 4150.000000 | 30 |

| 6500.000000 | 40 |

| 3475.555556 | 50 |

| 5760.000000 | 60 |

| 10000.000000 | 70 |

| 8955.882353 | 80 |

| 19333.333333 | 90 |

| 8600.000000 | 100 |

| 10150.000000 | 110 |

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

12 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name,salary where salary > ( select avg(salary) from employees group by department\_id);

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

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name where salary > ( select avg(salary) from employees group by department\_id);

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

MariaDB [csd2204w18]> select department\_id,employee\_id,first\_name,last\_name from employees as a where salary < (select min(salary) from employees where department\_id = a.department\_id);

Empty set (0.00 sec)

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

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

| department\_id | employee\_id | first\_name | last\_name |

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

| 50 | 127 | James | Landry |

| 50 | 128 | Steven | Markle |

| 50 | 132 | TJ | Olson |

| 50 | 135 | Ki | Gee |

| 50 | 136 | Hazel | Philtanker |

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

5 rows in set (0.00 sec)

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

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

| department\_id | employee\_id | first\_name | last\_name | salary |

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

| 50 | 127 | James | Landry | 2400.00 |

| 50 | 128 | Steven | Markle | 2200.00 |

| 50 | 132 | TJ | Olson | 2100.00 |

| 50 | 135 | Ki | Gee | 2400.00 |

| 50 | 136 | Hazel | Philtanker | 2200.00 |

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

5 rows in set (0.00 sec)

MariaDB [csd2204w18]> show tables;

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

| Tables\_in\_csd2204w18 |

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

| animals |

| countries |

| departments |

| employees |

| job\_history |

| jobs |

| locations |

| manu |

| pet |

| products |

| regions |

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

11 rows in set (0.00 sec)

MariaDB [csd2204w18]> desc locations;

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

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

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

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

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

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

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

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

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

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

6 rows in set (0.05 sec)

MariaDB [csd2204w18]> desc departments;

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

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

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

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

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

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

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

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

4 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from departments limit 10;

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

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

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

| 10 | Administration | 200 | 1700 |

| 20 | Marketing | 201 | 1800 |

| 30 | Purchasing | 114 | 1700 |

| 40 | Human Resources | 203 | 2400 |

| 50 | Shipping | 121 | 1500 |

| 60 | IT | 103 | 1400 |

| 70 | Public Relations | 204 | 2700 |

| 80 | Sales | 145 | 2500 |

| 90 | Executive | 100 | 1700 |

| 100 | Finance | 108 | 1700 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from locations limit 10;

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

| 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 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select department\_id from employees where department\_id in ( select department\_id from departments where location\_id in ( select location\_id from locations where country\_id = 'CA'));

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

| department\_id |

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

| 20 |

| 20 |

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

2 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 from departments where location\_id in ( select location\_id from locations where country\_id = 'CA');

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

| department\_id |

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

| 20 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,salary from where 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 'where employees where department\_id in (select department\_id from departments wh' 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 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'));

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

| MIN(salary) |

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

| 6000.00 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,salary from employee 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 1146 (42S02): Table 'csd2204w18.employee' doesn't exist

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 \* 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 (0.02 sec)

MariaDB [csd2204w18]> select department\_id from departments where location\_id in ( select location\_id from locations where country\_id = 'CA');

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

| department\_id |

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

| 20 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select department\_id from departments where location\_id in ( select location\_id from locations where country\_id = 'US');

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

| department\_id |

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

| 60 |

| 50 |

| 10 |

| 30 |

| 90 |

| 100 |

| 110 |

| 120 |

| 130 |

| 140 |

| 150 |

| 160 |

| 170 |

| 180 |

| 190 |

| 200 |

| 210 |

| 220 |

| 230 |

| 240 |

| 250 |

| 260 |

| 270 |

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

23 rows in set (0.01 sec)

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

Empty set (0.03 sec)

MariaDB [csd2204w18]> select b.first\_name,b.last\_name from employees b where exists ( select \* from employees a where a.manager\_id = b.manager\_id);

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

| first\_name | last\_name |

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

| Steven | King |

| Neena | Kochhar |

| Lex | De Haan |

| Alexander | Hunold |

| Bruce | Ernst |

| David | Austin |

| Valli | Pataballa |

| Diana | Lorentz |

| Nancy | Greenberg |

| Daniel | Faviet |

| John | Chen |

| Ismael | Sciarra |

| Jose Manuel | Urman |

| Luis | Popp |

| Den | Raphaely |

| Alexander | Khoo |

| Shelli | Baida |

| Sigal | Tobias |

| Guy | Himuro |

| Karen | Colmenares |

| Matthew | Weiss |

| Adam | Fripp |

| Payam | Kaufling |

| Shanta | Vollman |

| Kevin | Mourgos |

| Julia | Nayer |

| Irene | Mikkilineni |

| James | Landry |

| Steven | Markle |

| Laura | Bissot |

| Mozhe | Atkinson |

| James | Marlow |

| TJ | Olson |

| Jason | Mallin |

| Michael | Rogers |

| Ki | Gee |

| Hazel | Philtanker |

| Renske | Ladwig |

| Stephen | Stiles |

| John | Seo |

| Joshua | Patel |

| Trenna | Rajs |

| Curtis | Davies |

| Randall | Matos |

| Peter | Vargas |

| John | Russell |

| Karen | Partners |

| Alberto | Errazuriz |

| Gerald | Cambrault |

| Eleni | Zlotkey |

| Peter | Tucker |

| David | Bernstein |

| Peter | Hall |

| Christopher | Olsen |

| Nanette | Cambrault |

| Oliver | Tuvault |

| Janette | King |

| Patrick | Sully |

| Allan | McEwen |

| Lindsey | Smith |

| Louise | Doran |

| Sarath | Sewall |

| Clara | Vishney |

| Danielle | Greene |

| Mattea | Marvins |

| David | Lee |

| Sundar | Ande |

| Amit | Banda |

| Lisa | Ozer |

| Harrison | Bloom |

| Tayler | Fox |

| William | Smith |

| Elizabeth | Bates |

| Sundita | Kumar |

| Ellen | Abel |

| Alyssa | Hutton |

| Jonathon | Taylor |

| Jack | Livingston |

| Kimberely | Grant |

| Charles | Johnson |

| Winston | Taylor |

| Jean | Fleaur |

| Martha | Sullivan |

| Girard | Geoni |

| Nandita | Sarchand |

| Alexis | Bull |

| Julia | Dellinger |

| Anthony | Cabrio |

| Kelly | Chung |

| Jennifer | Dilly |

| Timothy | Gates |

| Randall | Perkins |

| Sarah | Bell |

| Britney | Everett |

| Samuel | McCain |

| Vance | Jones |

| Alana | Walsh |

| Kevin | Feeney |

| Donald | OConnell |

| Douglas | Grant |

| Jennifer | Whalen |

| Michael | Hartstein |

| Pat | Fay |

| Susan | Mavris |

| Hermann | Baer |

| Shelley | Higgins |

| William | Gietz |

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

107 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.first\_name,b.last\_name

-> -> from employees b where not exists

-> -> (select 'X' from employees a where a.manager\_id = b.employee\_id);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '> from employees b where not exists

-> (select 'X' from employees a where a.' at line 2

MariaDB [csd2204w18]> select b.first\_name,b.last\_name

-> -> from employees b where not exists

-> ;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '> from employees b where not exists' at line 2

MariaDB [csd2204w18]> select b.first\_name,b.last\_name

-> from employees b where not exists

-> (select 'X' from employees a where a.manager\_id = b.employee\_id);

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

| first\_name | last\_name |

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

| Bruce | Ernst |

| David | Austin |

| Valli | Pataballa |

| Diana | Lorentz |

| Daniel | Faviet |

| John | Chen |

| Ismael | Sciarra |

| Jose Manuel | Urman |

| Luis | Popp |

| Alexander | Khoo |

| Shelli | Baida |

| Sigal | Tobias |

| Guy | Himuro |

| Karen | Colmenares |

| Julia | Nayer |

| Irene | Mikkilineni |

| James | Landry |

| Steven | Markle |

| Laura | Bissot |

| Mozhe | Atkinson |

| James | Marlow |

| TJ | Olson |

| Jason | Mallin |

| Michael | Rogers |

| Ki | Gee |

| Hazel | Philtanker |

| Renske | Ladwig |

| Stephen | Stiles |

| John | Seo |

| Joshua | Patel |

| Trenna | Rajs |

| Curtis | Davies |

| Randall | Matos |

| Peter | Vargas |

| Peter | Tucker |

| David | Bernstein |

| Peter | Hall |

| Christopher | Olsen |

| Nanette | Cambrault |

| Oliver | Tuvault |

| Janette | King |

| Patrick | Sully |

| Allan | McEwen |

| Lindsey | Smith |

| Louise | Doran |

| Sarath | Sewall |

| Clara | Vishney |

| Danielle | Greene |

| Mattea | Marvins |

| David | Lee |

| Sundar | Ande |

| Amit | Banda |

| Lisa | Ozer |

| Harrison | Bloom |

| Tayler | Fox |

| William | Smith |

| Elizabeth | Bates |

| Sundita | Kumar |

| Ellen | Abel |

| Alyssa | Hutton |

| Jonathon | Taylor |

| Jack | Livingston |

| Kimberely | Grant |

| Charles | Johnson |

| Winston | Taylor |

| Jean | Fleaur |

| Martha | Sullivan |

| Girard | Geoni |

| Nandita | Sarchand |

| Alexis | Bull |

| Julia | Dellinger |

| Anthony | Cabrio |

| Kelly | Chung |

| Jennifer | Dilly |

| Timothy | Gates |

| Randall | Perkins |

| Sarah | Bell |

| Britney | Everett |

| Samuel | McCain |

| Vance | Jones |

| Alana | Walsh |

| Kevin | Feeney |

| Donald | OConnell |

| Douglas | Grant |

| Jennifer | Whalen |

| Pat | Fay |

| Susan | Mavris |

| Hermann | Baer |

| William | Gietz |

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

89 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,salary,department\_id from employees where employee\_id in ( select manager\_id in employees);

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 'employees)' at line 1

MariaDB [csd2204w18]> select employee\_id,salary,department\_id from employees where employee\_id in ( select manager\_id from employees);

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

| employee\_id | salary | department\_id |

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

| 100 | 24000.00 | 90 |

| 101 | 17000.00 | 90 |

| 102 | 17000.00 | 90 |

| 103 | 9000.00 | 60 |

| 108 | 12000.00 | 100 |

| 114 | 11000.00 | 30 |

| 120 | 8000.00 | 50 |

| 121 | 8200.00 | 50 |

| 122 | 7900.00 | 50 |

| 123 | 6500.00 | 50 |

| 124 | 5800.00 | 50 |

| 145 | 14000.00 | 80 |

| 146 | 13500.00 | 80 |

| 147 | 12000.00 | 80 |

| 148 | 11000.00 | 80 |

| 149 | 10500.00 | 80 |

| 201 | 13000.00 | 20 |

| 205 | 12000.00 | 110 |

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

18 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,salary,department\_id from employees where employee\_id not in ( select manager\_id from employees);

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

| employee\_id | salary | department\_id |

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

| 104 | 6000.00 | 60 |

| 105 | 4800.00 | 60 |

| 106 | 4800.00 | 60 |

| 107 | 4200.00 | 60 |

| 109 | 9000.00 | 100 |

| 110 | 8200.00 | 100 |

| 111 | 7700.00 | 100 |

| 112 | 7800.00 | 100 |

| 113 | 6900.00 | 100 |

| 115 | 3100.00 | 30 |

| 116 | 2900.00 | 30 |

| 117 | 2800.00 | 30 |

| 118 | 2600.00 | 30 |

| 119 | 2500.00 | 30 |

| 125 | 3200.00 | 50 |

| 126 | 2700.00 | 50 |

| 127 | 2400.00 | 50 |

| 128 | 2200.00 | 50 |

| 129 | 3300.00 | 50 |

| 130 | 2800.00 | 50 |

| 131 | 2500.00 | 50 |

| 132 | 2100.00 | 50 |

| 133 | 3300.00 | 50 |

| 134 | 2900.00 | 50 |

| 135 | 2400.00 | 50 |

| 136 | 2200.00 | 50 |

| 137 | 3600.00 | 50 |

| 138 | 3200.00 | 50 |

| 139 | 2700.00 | 50 |

| 140 | 2500.00 | 50 |

| 141 | 3500.00 | 50 |

| 142 | 3100.00 | 50 |

| 143 | 2600.00 | 50 |

| 144 | 2500.00 | 50 |

| 150 | 10000.00 | 80 |

| 151 | 9500.00 | 80 |

| 152 | 9000.00 | 80 |

| 153 | 8000.00 | 80 |

| 154 | 7500.00 | 80 |

| 155 | 7000.00 | 80 |

| 156 | 10000.00 | 80 |

| 157 | 9500.00 | 80 |

| 158 | 9000.00 | 80 |

| 159 | 8000.00 | 80 |

| 160 | 7500.00 | 80 |

| 161 | 7000.00 | 80 |

| 162 | 10500.00 | 80 |

| 163 | 9500.00 | 80 |

| 164 | 7200.00 | 80 |

| 165 | 6800.00 | 80 |

| 166 | 6400.00 | 80 |

| 167 | 6200.00 | 80 |

| 168 | 11500.00 | 80 |

| 169 | 10000.00 | 80 |

| 170 | 9600.00 | 80 |

| 171 | 7400.00 | 80 |

| 172 | 7300.00 | 80 |

| 173 | 6100.00 | 80 |

| 174 | 11000.00 | 80 |

| 175 | 8800.00 | 80 |

| 176 | 8600.00 | 80 |

| 177 | 8400.00 | 80 |

| 178 | 7000.00 | 0 |

| 179 | 6200.00 | 80 |

| 180 | 3200.00 | 50 |

| 181 | 3100.00 | 50 |

| 182 | 2500.00 | 50 |

| 183 | 2800.00 | 50 |

| 184 | 4200.00 | 50 |

| 185 | 4100.00 | 50 |

| 186 | 3400.00 | 50 |

| 187 | 3000.00 | 50 |

| 188 | 3800.00 | 50 |

| 189 | 3600.00 | 50 |

| 190 | 2900.00 | 50 |

| 191 | 2500.00 | 50 |

| 192 | 4000.00 | 50 |

| 193 | 3900.00 | 50 |

| 194 | 3200.00 | 50 |

| 195 | 2800.00 | 50 |

| 196 | 3100.00 | 50 |

| 197 | 3000.00 | 50 |

| 198 | 2600.00 | 50 |

| 199 | 2600.00 | 50 |

| 200 | 4400.00 | 10 |

| 202 | 6000.00 | 20 |

| 203 | 6500.00 | 40 |

| 204 | 10000.00 | 70 |

| 206 | 8300.00 | 110 |

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

89 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,salary,department\_id from employees where employee\_id not in ( select manager\_id from employees) AND (select department\_id from departments where department\_id in ( select department\_in from locations where location\_id = 'US';

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

MariaDB [csd2204w18]> select employee\_id,salary,department\_id from employees where employee\_id not in ( select manager\_id from employees) AND (select department\_id from departments where department\_id in ( select department\_in from locations where location\_id = 'US'));

ERROR 1054 (42S22): Unknown column 'department\_in' in 'field list'

MariaDB [csd2204w18]> select employee\_id,salary,department\_id from employees where employee\_id not in ( select manager\_id from employees) AND (select department\_id from departments where department\_id in ( select department\_iD from locations where location\_id = 'US'));

Empty set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,salary,department\_id from employees where employee\_id not in ( select manager\_id from employees) AND (select department\_id from departments where department\_id in ( select department\_id from locations where location\_id = 'US'));

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 \* 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 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 employee\_id,first\_name,last\_name from employees where salary > all ( select salary from employees where employee a not exists( select \* from employees b where b.manager\_id = a.manager\_id );

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'a not exists( select \* from employees b where b.manager\_id = a.manager\_id )' at line 1

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

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'a not exists( select \* from employees b where b.manager\_id = a.manager\_id ))' at line 1

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name from employees where salary > all ( select salary from employees where employee\_id not in ( select manager\_id from employees);

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,last\_name from employees where salary > all ( select salary from employees where employee\_id not in ( select manager\_id from employees));

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

| employee\_id | first\_name | last\_name |

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

| 100 | Steven | King |

| 101 | Neena | Kochhar |

| 102 | Lex | De Haan |

| 108 | Nancy | Greenberg |

| 145 | John | Russell |

| 146 | Karen | Partners |

| 147 | Alberto | Errazuriz |

| 201 | Michael | Hartstein |

| 205 | Shelley | Higgins |

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

9 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name from employees where salary > all ( select salary from employees where employee\_id not 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 '' at line 1

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name from employees where salary > all ( select salary from employees where employee\_id not 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 | last\_name |

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

| 100 | Steven | King |

| 101 | Neena | Kochhar |

| 102 | Lex | De Haan |

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

3 rows in set (0.01 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name from employees where salary > any ( select salary from employees where employee\_id not 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 | last\_name |

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

| 100 | Steven | King |

| 101 | Neena | Kochhar |

| 102 | Lex | De Haan |

| 103 | Alexander | Hunold |

| 104 | Bruce | Ernst |

| 105 | David | Austin |

| 106 | Valli | Pataballa |

| 107 | Diana | Lorentz |

| 108 | Nancy | Greenberg |

| 109 | Daniel | Faviet |

| 110 | John | Chen |

| 111 | Ismael | Sciarra |

| 112 | Jose Manuel | Urman |

| 113 | Luis | Popp |

| 114 | Den | Raphaely |

| 115 | Alexander | Khoo |

| 116 | Shelli | Baida |

| 117 | Sigal | Tobias |

| 118 | Guy | Himuro |

| 119 | Karen | Colmenares |

| 120 | Matthew | Weiss |

| 121 | Adam | Fripp |

| 122 | Payam | Kaufling |

| 123 | Shanta | Vollman |

| 124 | Kevin | Mourgos |

| 125 | Julia | Nayer |

| 126 | Irene | Mikkilineni |

| 127 | James | Landry |

| 128 | Steven | Markle |

| 129 | Laura | Bissot |

| 130 | Mozhe | Atkinson |

| 131 | James | Marlow |

| 133 | Jason | Mallin |

| 134 | Michael | Rogers |

| 135 | Ki | Gee |

| 136 | Hazel | Philtanker |

| 137 | Renske | Ladwig |

| 138 | Stephen | Stiles |

| 139 | John | Seo |

| 140 | Joshua | Patel |

| 141 | Trenna | Rajs |

| 142 | Curtis | Davies |

| 143 | Randall | Matos |

| 144 | Peter | Vargas |

| 145 | John | Russell |

| 146 | Karen | Partners |

| 147 | Alberto | Errazuriz |

| 148 | Gerald | Cambrault |

| 149 | Eleni | Zlotkey |

| 150 | Peter | Tucker |

| 151 | David | Bernstein |

| 152 | Peter | Hall |

| 153 | Christopher | Olsen |

| 154 | Nanette | Cambrault |

| 155 | Oliver | Tuvault |

| 156 | Janette | King |

| 157 | Patrick | Sully |

| 158 | Allan | McEwen |

| 159 | Lindsey | Smith |

| 160 | Louise | Doran |

| 161 | Sarath | Sewall |

| 162 | Clara | Vishney |

| 163 | Danielle | Greene |

| 164 | Mattea | Marvins |

| 165 | David | Lee |

| 166 | Sundar | Ande |

| 167 | Amit | Banda |

| 168 | Lisa | Ozer |

| 169 | Harrison | Bloom |

| 170 | Tayler | Fox |

| 171 | William | Smith |

| 172 | Elizabeth | Bates |

| 173 | Sundita | Kumar |

| 174 | Ellen | Abel |

| 175 | Alyssa | Hutton |

| 176 | Jonathon | Taylor |

| 177 | Jack | Livingston |

| 178 | Kimberely | Grant |

| 179 | Charles | Johnson |

| 180 | Winston | Taylor |

| 181 | Jean | Fleaur |

| 182 | Martha | Sullivan |

| 183 | Girard | Geoni |

| 184 | Nandita | Sarchand |

| 185 | Alexis | Bull |

| 186 | Julia | Dellinger |

| 187 | Anthony | Cabrio |

| 188 | Kelly | Chung |

| 189 | Jennifer | Dilly |

| 190 | Timothy | Gates |

| 191 | Randall | Perkins |

| 192 | Sarah | Bell |

| 193 | Britney | Everett |

| 194 | Samuel | McCain |

| 195 | Vance | Jones |

| 196 | Alana | Walsh |

| 197 | Kevin | Feeney |

| 198 | Donald | OConnell |

| 199 | Douglas | Grant |

| 200 | Jennifer | Whalen |

| 201 | Michael | Hartstein |

| 202 | Pat | Fay |

| 203 | Susan | Mavris |

| 204 | Hermann | Baer |

| 205 | Shelley | Higgins |

| 206 | William | Gietz |

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

106 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name from employees where salary > any ( select 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 | last\_name |

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

| 100 | Steven | King |

| 101 | Neena | Kochhar |

| 102 | Lex | De Haan |

| 103 | Alexander | Hunold |

| 104 | Bruce | Ernst |

| 108 | Nancy | Greenberg |

| 109 | Daniel | Faviet |

| 110 | John | Chen |

| 111 | Ismael | Sciarra |

| 112 | Jose Manuel | Urman |

| 113 | Luis | Popp |

| 114 | Den | Raphaely |

| 120 | Matthew | Weiss |

| 121 | Adam | Fripp |

| 122 | Payam | Kaufling |

| 123 | Shanta | Vollman |

| 145 | John | Russell |

| 146 | Karen | Partners |

| 147 | Alberto | Errazuriz |

| 148 | Gerald | Cambrault |

| 149 | Eleni | Zlotkey |

| 150 | Peter | Tucker |

| 151 | David | Bernstein |

| 152 | Peter | Hall |

| 153 | Christopher | Olsen |

| 154 | Nanette | Cambrault |

| 155 | Oliver | Tuvault |

| 156 | Janette | King |

| 157 | Patrick | Sully |

| 158 | Allan | McEwen |

| 159 | Lindsey | Smith |

| 160 | Louise | Doran |

| 161 | Sarath | Sewall |

| 162 | Clara | Vishney |

| 163 | Danielle | Greene |

| 164 | Mattea | Marvins |

| 165 | David | Lee |

| 166 | Sundar | Ande |

| 167 | Amit | Banda |

| 168 | Lisa | Ozer |

| 169 | Harrison | Bloom |

| 170 | Tayler | Fox |

| 171 | William | Smith |

| 172 | Elizabeth | Bates |

| 173 | Sundita | Kumar |

| 174 | Ellen | Abel |

| 175 | Alyssa | Hutton |

| 176 | Jonathon | Taylor |

| 177 | Jack | Livingston |

| 178 | Kimberely | Grant |

| 179 | Charles | Johnson |

| 201 | Michael | Hartstein |

| 202 | Pat | Fay |

| 203 | Susan | Mavris |

| 204 | Hermann | Baer |

| 205 | Shelley | Higgins |

| 206 | William | Gietz |

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

57 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name from employees where salary > all ( select 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'))));

Empty set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name from employees where salary > any ( select 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 | last\_name |

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

| 100 | Steven | King |

| 101 | Neena | Kochhar |

| 102 | Lex | De Haan |

| 103 | Alexander | Hunold |

| 104 | Bruce | Ernst |

| 108 | Nancy | Greenberg |

| 109 | Daniel | Faviet |

| 110 | John | Chen |

| 111 | Ismael | Sciarra |

| 112 | Jose Manuel | Urman |

| 113 | Luis | Popp |

| 114 | Den | Raphaely |

| 120 | Matthew | Weiss |

| 121 | Adam | Fripp |

| 122 | Payam | Kaufling |

| 123 | Shanta | Vollman |

| 145 | John | Russell |

| 146 | Karen | Partners |

| 147 | Alberto | Errazuriz |

| 148 | Gerald | Cambrault |

| 149 | Eleni | Zlotkey |

| 150 | Peter | Tucker |

| 151 | David | Bernstein |

| 152 | Peter | Hall |

| 153 | Christopher | Olsen |

| 154 | Nanette | Cambrault |

| 155 | Oliver | Tuvault |

| 156 | Janette | King |

| 157 | Patrick | Sully |

| 158 | Allan | McEwen |

| 159 | Lindsey | Smith |

| 160 | Louise | Doran |

| 161 | Sarath | Sewall |

| 162 | Clara | Vishney |

| 163 | Danielle | Greene |

| 164 | Mattea | Marvins |

| 165 | David | Lee |

| 166 | Sundar | Ande |

| 167 | Amit | Banda |

| 168 | Lisa | Ozer |

| 169 | Harrison | Bloom |

| 170 | Tayler | Fox |

| 171 | William | Smith |

| 172 | Elizabeth | Bates |

| 173 | Sundita | Kumar |

| 174 | Ellen | Abel |

| 175 | Alyssa | Hutton |

| 176 | Jonathon | Taylor |

| 177 | Jack | Livingston |

| 178 | Kimberely | Grant |

| 179 | Charles | Johnson |

| 201 | Michael | Hartstein |

| 202 | Pat | Fay |

| 203 | Susan | Mavris |

| 204 | Hermann | Baer |

| 205 | Shelley | Higgins |

| 206 | William | Gietz |

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

57 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name from employees where employee\_id not 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 | last\_name |

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

| 104 | Bruce | Ernst |

| 105 | David | Austin |

| 106 | Valli | Pataballa |

| 107 | Diana | Lorentz |

| 109 | Daniel | Faviet |

| 110 | John | Chen |

| 111 | Ismael | Sciarra |

| 112 | Jose Manuel | Urman |

| 113 | Luis | Popp |

| 115 | Alexander | Khoo |

| 116 | Shelli | Baida |

| 117 | Sigal | Tobias |

| 118 | Guy | Himuro |

| 119 | Karen | Colmenares |

| 125 | Julia | Nayer |

| 126 | Irene | Mikkilineni |

| 127 | James | Landry |

| 128 | Steven | Markle |

| 129 | Laura | Bissot |

| 130 | Mozhe | Atkinson |

| 131 | James | Marlow |

| 132 | TJ | Olson |

| 133 | Jason | Mallin |

| 134 | Michael | Rogers |

| 135 | Ki | Gee |

| 136 | Hazel | Philtanker |

| 137 | Renske | Ladwig |

| 138 | Stephen | Stiles |

| 139 | John | Seo |

| 140 | Joshua | Patel |

| 141 | Trenna | Rajs |

| 142 | Curtis | Davies |

| 143 | Randall | Matos |

| 144 | Peter | Vargas |

| 145 | John | Russell |

| 146 | Karen | Partners |

| 147 | Alberto | Errazuriz |

| 148 | Gerald | Cambrault |

| 149 | Eleni | Zlotkey |

| 150 | Peter | Tucker |

| 151 | David | Bernstein |

| 152 | Peter | Hall |

| 153 | Christopher | Olsen |

| 154 | Nanette | Cambrault |

| 155 | Oliver | Tuvault |

| 156 | Janette | King |

| 157 | Patrick | Sully |

| 158 | Allan | McEwen |

| 159 | Lindsey | Smith |

| 160 | Louise | Doran |

| 161 | Sarath | Sewall |

| 162 | Clara | Vishney |

| 163 | Danielle | Greene |

| 164 | Mattea | Marvins |

| 165 | David | Lee |

| 166 | Sundar | Ande |

| 167 | Amit | Banda |

| 168 | Lisa | Ozer |

| 169 | Harrison | Bloom |

| 170 | Tayler | Fox |

| 171 | William | Smith |

| 172 | Elizabeth | Bates |

| 173 | Sundita | Kumar |

| 174 | Ellen | Abel |

| 175 | Alyssa | Hutton |

| 176 | Jonathon | Taylor |

| 177 | Jack | Livingston |

| 178 | Kimberely | Grant |

| 179 | Charles | Johnson |

| 180 | Winston | Taylor |

| 181 | Jean | Fleaur |

| 182 | Martha | Sullivan |

| 183 | Girard | Geoni |

| 184 | Nandita | Sarchand |

| 185 | Alexis | Bull |

| 186 | Julia | Dellinger |

| 187 | Anthony | Cabrio |

| 188 | Kelly | Chung |

| 189 | Jennifer | Dilly |

| 190 | Timothy | Gates |

| 191 | Randall | Perkins |

| 192 | Sarah | Bell |

| 193 | Britney | Everett |

| 194 | Samuel | McCain |

| 195 | Vance | Jones |

| 196 | Alana | Walsh |

| 197 | Kevin | Feeney |

| 198 | Donald | OConnell |

| 199 | Douglas | Grant |

| 200 | Jennifer | Whalen |

| 201 | Michael | Hartstein |

| 202 | Pat | Fay |

| 203 | Susan | Mavris |

| 204 | Hermann | Baer |

| 206 | William | Gietz |

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

95 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name from employees where employee\_id not 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 salary > all (select salary from employees where employee\_id in(select manager\_id from employees);

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,last\_name from employees where employee\_id not 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 salary > all (select salary from employees where employee\_id in(select manager\_id from employees);

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,last\_name from employees where employee\_id not 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 | last\_name |

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

| 104 | Bruce | Ernst |

| 105 | David | Austin |

| 106 | Valli | Pataballa |

| 107 | Diana | Lorentz |

| 109 | Daniel | Faviet |

| 110 | John | Chen |

| 111 | Ismael | Sciarra |

| 112 | Jose Manuel | Urman |

| 113 | Luis | Popp |

| 115 | Alexander | Khoo |

| 116 | Shelli | Baida |

| 117 | Sigal | Tobias |

| 118 | Guy | Himuro |

| 119 | Karen | Colmenares |

| 125 | Julia | Nayer |

| 126 | Irene | Mikkilineni |

| 127 | James | Landry |

| 128 | Steven | Markle |

| 129 | Laura | Bissot |

| 130 | Mozhe | Atkinson |

| 131 | James | Marlow |

| 132 | TJ | Olson |

| 133 | Jason | Mallin |

| 134 | Michael | Rogers |

| 135 | Ki | Gee |

| 136 | Hazel | Philtanker |

| 137 | Renske | Ladwig |

| 138 | Stephen | Stiles |

| 139 | John | Seo |

| 140 | Joshua | Patel |

| 141 | Trenna | Rajs |

| 142 | Curtis | Davies |

| 143 | Randall | Matos |

| 144 | Peter | Vargas |

| 145 | John | Russell |

| 146 | Karen | Partners |

| 147 | Alberto | Errazuriz |

| 148 | Gerald | Cambrault |

| 149 | Eleni | Zlotkey |

| 150 | Peter | Tucker |

| 151 | David | Bernstein |

| 152 | Peter | Hall |

| 153 | Christopher | Olsen |

| 154 | Nanette | Cambrault |

| 155 | Oliver | Tuvault |

| 156 | Janette | King |

| 157 | Patrick | Sully |

| 158 | Allan | McEwen |

| 159 | Lindsey | Smith |

| 160 | Louise | Doran |

| 161 | Sarath | Sewall |

| 162 | Clara | Vishney |

| 163 | Danielle | Greene |

| 164 | Mattea | Marvins |

| 165 | David | Lee |

| 166 | Sundar | Ande |

| 167 | Amit | Banda |

| 168 | Lisa | Ozer |

| 169 | Harrison | Bloom |

| 170 | Tayler | Fox |

| 171 | William | Smith |

| 172 | Elizabeth | Bates |

| 173 | Sundita | Kumar |

| 174 | Ellen | Abel |

| 175 | Alyssa | Hutton |

| 176 | Jonathon | Taylor |

| 177 | Jack | Livingston |

| 178 | Kimberely | Grant |

| 179 | Charles | Johnson |

| 180 | Winston | Taylor |

| 181 | Jean | Fleaur |

| 182 | Martha | Sullivan |

| 183 | Girard | Geoni |

| 184 | Nandita | Sarchand |

| 185 | Alexis | Bull |

| 186 | Julia | Dellinger |

| 187 | Anthony | Cabrio |

| 188 | Kelly | Chung |

| 189 | Jennifer | Dilly |

| 190 | Timothy | Gates |

| 191 | Randall | Perkins |

| 192 | Sarah | Bell |

| 193 | Britney | Everett |

| 194 | Samuel | McCain |

| 195 | Vance | Jones |

| 196 | Alana | Walsh |

| 197 | Kevin | Feeney |

| 198 | Donald | OConnell |

| 199 | Douglas | Grant |

| 200 | Jennifer | Whalen |

| 201 | Michael | Hartstein |

| 202 | Pat | Fay |

| 203 | Susan | Mavris |

| 204 | Hermann | Baer |

| 206 | William | Gietz |

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

95 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name from employees where salary > avg(salary) and employee\_id not 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 1111 (HY000): Invalid use of group function

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name from employees where not 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 'in (select manager\_id from employees where department\_id in(select department\_id' at line 1

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name from employees where employee\_id not 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 | last\_name |

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

| 104 | Bruce | Ernst |

| 105 | David | Austin |

| 106 | Valli | Pataballa |

| 107 | Diana | Lorentz |

| 109 | Daniel | Faviet |

| 110 | John | Chen |

| 111 | Ismael | Sciarra |

| 112 | Jose Manuel | Urman |

| 113 | Luis | Popp |

| 115 | Alexander | Khoo |

| 116 | Shelli | Baida |

| 117 | Sigal | Tobias |

| 118 | Guy | Himuro |

| 119 | Karen | Colmenares |

| 125 | Julia | Nayer |

| 126 | Irene | Mikkilineni |

| 127 | James | Landry |

| 128 | Steven | Markle |

| 129 | Laura | Bissot |

| 130 | Mozhe | Atkinson |

| 131 | James | Marlow |

| 132 | TJ | Olson |

| 133 | Jason | Mallin |

| 134 | Michael | Rogers |

| 135 | Ki | Gee |

| 136 | Hazel | Philtanker |

| 137 | Renske | Ladwig |

| 138 | Stephen | Stiles |

| 139 | John | Seo |

| 140 | Joshua | Patel |

| 141 | Trenna | Rajs |

| 142 | Curtis | Davies |

| 143 | Randall | Matos |

| 144 | Peter | Vargas |

| 145 | John | Russell |

| 146 | Karen | Partners |

| 147 | Alberto | Errazuriz |

| 148 | Gerald | Cambrault |

| 149 | Eleni | Zlotkey |

| 150 | Peter | Tucker |

| 151 | David | Bernstein |

| 152 | Peter | Hall |

| 153 | Christopher | Olsen |

| 154 | Nanette | Cambrault |

| 155 | Oliver | Tuvault |

| 156 | Janette | King |

| 157 | Patrick | Sully |

| 158 | Allan | McEwen |

| 159 | Lindsey | Smith |

| 160 | Louise | Doran |

| 161 | Sarath | Sewall |

| 162 | Clara | Vishney |

| 163 | Danielle | Greene |

| 164 | Mattea | Marvins |

| 165 | David | Lee |

| 166 | Sundar | Ande |

| 167 | Amit | Banda |

| 168 | Lisa | Ozer |

| 169 | Harrison | Bloom |

| 170 | Tayler | Fox |

| 171 | William | Smith |

| 172 | Elizabeth | Bates |

| 173 | Sundita | Kumar |

| 174 | Ellen | Abel |

| 175 | Alyssa | Hutton |

| 176 | Jonathon | Taylor |

| 177 | Jack | Livingston |

| 178 | Kimberely | Grant |

| 179 | Charles | Johnson |

| 180 | Winston | Taylor |

| 181 | Jean | Fleaur |

| 182 | Martha | Sullivan |

| 183 | Girard | Geoni |

| 184 | Nandita | Sarchand |

| 185 | Alexis | Bull |

| 186 | Julia | Dellinger |

| 187 | Anthony | Cabrio |

| 188 | Kelly | Chung |

| 189 | Jennifer | Dilly |

| 190 | Timothy | Gates |

| 191 | Randall | Perkins |

| 192 | Sarah | Bell |

| 193 | Britney | Everett |

| 194 | Samuel | McCain |

| 195 | Vance | Jones |

| 196 | Alana | Walsh |

| 197 | Kevin | Feeney |

| 198 | Donald | OConnell |

| 199 | Douglas | Grant |

| 200 | Jennifer | Whalen |

| 201 | Michael | Hartstein |

| 202 | Pat | Fay |

| 203 | Susan | Mavris |

| 204 | Hermann | Baer |

| 206 | William | Gietz |

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

95 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_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')));

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,last\_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 | last\_name |

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

| 103 | Alexander | Hunold |

| 104 | Bruce | Ernst |

| 105 | David | Austin |

| 106 | Valli | Pataballa |

| 107 | Diana | Lorentz |

| 120 | Matthew | Weiss |

| 121 | Adam | Fripp |

| 122 | Payam | Kaufling |

| 123 | Shanta | Vollman |

| 124 | Kevin | Mourgos |

| 125 | Julia | Nayer |

| 126 | Irene | Mikkilineni |

| 127 | James | Landry |

| 128 | Steven | Markle |

| 129 | Laura | Bissot |

| 130 | Mozhe | Atkinson |

| 131 | James | Marlow |

| 132 | TJ | Olson |

| 133 | Jason | Mallin |

| 134 | Michael | Rogers |

| 135 | Ki | Gee |

| 136 | Hazel | Philtanker |

| 137 | Renske | Ladwig |

| 138 | Stephen | Stiles |

| 139 | John | Seo |

| 140 | Joshua | Patel |

| 141 | Trenna | Rajs |

| 142 | Curtis | Davies |

| 143 | Randall | Matos |

| 144 | Peter | Vargas |

| 180 | Winston | Taylor |

| 181 | Jean | Fleaur |

| 182 | Martha | Sullivan |

| 183 | Girard | Geoni |

| 184 | Nandita | Sarchand |

| 185 | Alexis | Bull |

| 186 | Julia | Dellinger |

| 187 | Anthony | Cabrio |

| 188 | Kelly | Chung |

| 189 | Jennifer | Dilly |

| 190 | Timothy | Gates |

| 191 | Randall | Perkins |

| 192 | Sarah | Bell |

| 193 | Britney | Everett |

| 194 | Samuel | McCain |

| 195 | Vance | Jones |

| 196 | Alana | Walsh |

| 197 | Kevin | Feeney |

| 198 | Donald | OConnell |

| 199 | Douglas | Grant |

| 200 | Jennifer | Whalen |

| 114 | Den | Raphaely |

| 115 | Alexander | Khoo |

| 116 | Shelli | Baida |

| 117 | Sigal | Tobias |

| 118 | Guy | Himuro |

| 119 | Karen | Colmenares |

| 100 | Steven | King |

| 101 | Neena | Kochhar |

| 102 | Lex | De Haan |

| 108 | Nancy | Greenberg |

| 109 | Daniel | Faviet |

| 110 | John | Chen |

| 111 | Ismael | Sciarra |

| 112 | Jose Manuel | Urman |

| 113 | Luis | Popp |

| 205 | Shelley | Higgins |

| 206 | William | Gietz |

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

68 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,salary from employees where employee not in(select manager\_id from employees);

ERROR 1054 (42S22): Unknown column 'employee' in 'IN/ALL/ANY subquery'

MariaDB [csd2204w18]> select employee\_id,salary from employees where employee\_id not in(select manager\_id from employees);

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

| employee\_id | salary |

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

| 104 | 6000.00 |

| 105 | 4800.00 |

| 106 | 4800.00 |

| 107 | 4200.00 |

| 109 | 9000.00 |

| 110 | 8200.00 |

| 111 | 7700.00 |

| 112 | 7800.00 |

| 113 | 6900.00 |

| 115 | 3100.00 |

| 116 | 2900.00 |

| 117 | 2800.00 |

| 118 | 2600.00 |

| 119 | 2500.00 |

| 125 | 3200.00 |

| 126 | 2700.00 |

| 127 | 2400.00 |

| 128 | 2200.00 |

| 129 | 3300.00 |

| 130 | 2800.00 |

| 131 | 2500.00 |

| 132 | 2100.00 |

| 133 | 3300.00 |

| 134 | 2900.00 |

| 135 | 2400.00 |

| 136 | 2200.00 |

| 137 | 3600.00 |

| 138 | 3200.00 |

| 139 | 2700.00 |

| 140 | 2500.00 |

| 141 | 3500.00 |

| 142 | 3100.00 |

| 143 | 2600.00 |

| 144 | 2500.00 |

| 150 | 10000.00 |

| 151 | 9500.00 |

| 152 | 9000.00 |

| 153 | 8000.00 |

| 154 | 7500.00 |

| 155 | 7000.00 |

| 156 | 10000.00 |

| 157 | 9500.00 |

| 158 | 9000.00 |

| 159 | 8000.00 |

| 160 | 7500.00 |

| 161 | 7000.00 |

| 162 | 10500.00 |

| 163 | 9500.00 |

| 164 | 7200.00 |

| 165 | 6800.00 |

| 166 | 6400.00 |

| 167 | 6200.00 |

| 168 | 11500.00 |

| 169 | 10000.00 |

| 170 | 9600.00 |

| 171 | 7400.00 |

| 172 | 7300.00 |

| 173 | 6100.00 |

| 174 | 11000.00 |

| 175 | 8800.00 |

| 176 | 8600.00 |

| 177 | 8400.00 |

| 178 | 7000.00 |

| 179 | 6200.00 |

| 180 | 3200.00 |

| 181 | 3100.00 |

| 182 | 2500.00 |

| 183 | 2800.00 |

| 184 | 4200.00 |

| 185 | 4100.00 |

| 186 | 3400.00 |

| 187 | 3000.00 |

| 188 | 3800.00 |

| 189 | 3600.00 |

| 190 | 2900.00 |

| 191 | 2500.00 |

| 192 | 4000.00 |

| 193 | 3900.00 |

| 194 | 3200.00 |

| 195 | 2800.00 |

| 196 | 3100.00 |

| 197 | 3000.00 |

| 198 | 2600.00 |

| 199 | 2600.00 |

| 200 | 4400.00 |

| 202 | 6000.00 |

| 203 | 6500.00 |

| 204 | 10000.00 |

| 206 | 8300.00 |

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

89 rows in set (0.02 sec)

MariaDB [csd2204w18]> select employee\_id,salary from employees where employee\_id not in(select manager\_id from employees where salary < all (select salary from employees where employee\_id in (select manager\_id from employees);

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,salary from employees where employee\_id not in(select manager\_id from employees where salary < all (select salary from employees where employee\_id in (select manager\_id from employees));

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,salary from employees where employee\_id not in(select manager\_id from employees where salary < all (select salary from employees where employee\_id in (select manager\_id from employees)));

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

| employee\_id | salary |

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

| 100 | 24000.00 |

| 102 | 17000.00 |

| 104 | 6000.00 |

| 105 | 4800.00 |

| 106 | 4800.00 |

| 107 | 4200.00 |

| 108 | 12000.00 |

| 109 | 9000.00 |

| 110 | 8200.00 |

| 111 | 7700.00 |

| 112 | 7800.00 |

| 113 | 6900.00 |

| 115 | 3100.00 |

| 116 | 2900.00 |

| 117 | 2800.00 |

| 118 | 2600.00 |

| 119 | 2500.00 |

| 125 | 3200.00 |

| 126 | 2700.00 |

| 127 | 2400.00 |

| 128 | 2200.00 |

| 129 | 3300.00 |

| 130 | 2800.00 |

| 131 | 2500.00 |

| 132 | 2100.00 |

| 133 | 3300.00 |

| 134 | 2900.00 |

| 135 | 2400.00 |

| 136 | 2200.00 |

| 137 | 3600.00 |

| 138 | 3200.00 |

| 139 | 2700.00 |

| 140 | 2500.00 |

| 141 | 3500.00 |

| 142 | 3100.00 |

| 143 | 2600.00 |

| 144 | 2500.00 |

| 145 | 14000.00 |

| 146 | 13500.00 |

| 147 | 12000.00 |

| 148 | 11000.00 |

| 149 | 10500.00 |

| 150 | 10000.00 |

| 151 | 9500.00 |

| 152 | 9000.00 |

| 153 | 8000.00 |

| 154 | 7500.00 |

| 155 | 7000.00 |

| 156 | 10000.00 |

| 157 | 9500.00 |

| 158 | 9000.00 |

| 159 | 8000.00 |

| 160 | 7500.00 |

| 161 | 7000.00 |

| 162 | 10500.00 |

| 163 | 9500.00 |

| 164 | 7200.00 |

| 165 | 6800.00 |

| 166 | 6400.00 |

| 167 | 6200.00 |

| 168 | 11500.00 |

| 169 | 10000.00 |

| 170 | 9600.00 |

| 171 | 7400.00 |

| 172 | 7300.00 |

| 173 | 6100.00 |

| 174 | 11000.00 |

| 175 | 8800.00 |

| 176 | 8600.00 |

| 177 | 8400.00 |

| 178 | 7000.00 |

| 179 | 6200.00 |

| 180 | 3200.00 |

| 181 | 3100.00 |

| 182 | 2500.00 |

| 183 | 2800.00 |

| 184 | 4200.00 |

| 185 | 4100.00 |

| 186 | 3400.00 |

| 187 | 3000.00 |

| 188 | 3800.00 |

| 189 | 3600.00 |

| 190 | 2900.00 |

| 191 | 2500.00 |

| 192 | 4000.00 |

| 193 | 3900.00 |

| 194 | 3200.00 |

| 195 | 2800.00 |

| 196 | 3100.00 |

| 197 | 3000.00 |

| 198 | 2600.00 |

| 199 | 2600.00 |

| 200 | 4400.00 |

| 201 | 13000.00 |

| 202 | 6000.00 |

| 203 | 6500.00 |

| 204 | 10000.00 |

| 205 | 12000.00 |

| 206 | 8300.00 |

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

99 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,salary from employees where employee\_id not in(select manager\_id from employees where salary < all (select salary from employees where employee\_id in (select manager\_id from employees));

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,salary from employees where employee\_id not in(select manager\_id from employees where salary < all (select salary from employees where employee\_id in (select manager\_id from employees)));

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

| employee\_id | salary |

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

| 100 | 24000.00 |

| 102 | 17000.00 |

| 104 | 6000.00 |

| 105 | 4800.00 |

| 106 | 4800.00 |

| 107 | 4200.00 |

| 108 | 12000.00 |

| 109 | 9000.00 |

| 110 | 8200.00 |

| 111 | 7700.00 |

| 112 | 7800.00 |

| 113 | 6900.00 |

| 115 | 3100.00 |

| 116 | 2900.00 |

| 117 | 2800.00 |

| 118 | 2600.00 |

| 119 | 2500.00 |

| 125 | 3200.00 |

| 126 | 2700.00 |

| 127 | 2400.00 |

| 128 | 2200.00 |

| 129 | 3300.00 |

| 130 | 2800.00 |

| 131 | 2500.00 |

| 132 | 2100.00 |

| 133 | 3300.00 |

| 134 | 2900.00 |

| 135 | 2400.00 |

| 136 | 2200.00 |

| 137 | 3600.00 |

| 138 | 3200.00 |

| 139 | 2700.00 |

| 140 | 2500.00 |

| 141 | 3500.00 |

| 142 | 3100.00 |

| 143 | 2600.00 |

| 144 | 2500.00 |

| 145 | 14000.00 |

| 146 | 13500.00 |

| 147 | 12000.00 |

| 148 | 11000.00 |

| 149 | 10500.00 |

| 150 | 10000.00 |

| 151 | 9500.00 |

| 152 | 9000.00 |

| 153 | 8000.00 |

| 154 | 7500.00 |

| 155 | 7000.00 |

| 156 | 10000.00 |

| 157 | 9500.00 |

| 158 | 9000.00 |

| 159 | 8000.00 |

| 160 | 7500.00 |

| 161 | 7000.00 |

| 162 | 10500.00 |

| 163 | 9500.00 |

| 164 | 7200.00 |

| 165 | 6800.00 |

| 166 | 6400.00 |

| 167 | 6200.00 |

| 168 | 11500.00 |

| 169 | 10000.00 |

| 170 | 9600.00 |

| 171 | 7400.00 |

| 172 | 7300.00 |

| 173 | 6100.00 |

| 174 | 11000.00 |

| 175 | 8800.00 |

| 176 | 8600.00 |

| 177 | 8400.00 |

| 178 | 7000.00 |

| 179 | 6200.00 |

| 180 | 3200.00 |

| 181 | 3100.00 |

| 182 | 2500.00 |

| 183 | 2800.00 |

| 184 | 4200.00 |

| 185 | 4100.00 |

| 186 | 3400.00 |

| 187 | 3000.00 |

| 188 | 3800.00 |

| 189 | 3600.00 |

| 190 | 2900.00 |

| 191 | 2500.00 |

| 192 | 4000.00 |

| 193 | 3900.00 |

| 194 | 3200.00 |

| 195 | 2800.00 |

| 196 | 3100.00 |

| 197 | 3000.00 |

| 198 | 2600.00 |

| 199 | 2600.00 |

| 200 | 4400.00 |

| 201 | 13000.00 |

| 202 | 6000.00 |

| 203 | 6500.00 |

| 204 | 10000.00 |

| 205 | 12000.00 |

| 206 | 8300.00 |

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

99 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,salary from employees where employee\_id not in(select manager\_id from employees where salary < all (select salary from employees where employee\_id in (select manager\_id from employees where department\_in in(select department\_id from locations where location\_id='US'))));

ERROR 1054 (42S22): Unknown column 'department\_in' in 'IN/ALL/ANY subquery'

MariaDB [csd2204w18]> select employee\_id,salary from employees where employee\_id not in(select manager\_id from employees where salary < all (select salary from employees where employee\_id in (select manager\_id from employees where department\_id in(select department\_id from locations where location\_id='US'))));

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

| employee\_id | salary |

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

| 104 | 6000.00 |

| 105 | 4800.00 |

| 106 | 4800.00 |

| 107 | 4200.00 |

| 109 | 9000.00 |

| 110 | 8200.00 |

| 111 | 7700.00 |

| 112 | 7800.00 |

| 113 | 6900.00 |

| 115 | 3100.00 |

| 116 | 2900.00 |

| 117 | 2800.00 |

| 118 | 2600.00 |

| 119 | 2500.00 |

| 125 | 3200.00 |

| 126 | 2700.00 |

| 127 | 2400.00 |

| 128 | 2200.00 |

| 129 | 3300.00 |

| 130 | 2800.00 |

| 131 | 2500.00 |

| 132 | 2100.00 |

| 133 | 3300.00 |

| 134 | 2900.00 |

| 135 | 2400.00 |

| 136 | 2200.00 |

| 137 | 3600.00 |

| 138 | 3200.00 |

| 139 | 2700.00 |

| 140 | 2500.00 |

| 141 | 3500.00 |

| 142 | 3100.00 |

| 143 | 2600.00 |

| 144 | 2500.00 |

| 150 | 10000.00 |

| 151 | 9500.00 |

| 152 | 9000.00 |

| 153 | 8000.00 |

| 154 | 7500.00 |

| 155 | 7000.00 |

| 156 | 10000.00 |

| 157 | 9500.00 |

| 158 | 9000.00 |

| 159 | 8000.00 |

| 160 | 7500.00 |

| 161 | 7000.00 |

| 162 | 10500.00 |

| 163 | 9500.00 |

| 164 | 7200.00 |

| 165 | 6800.00 |

| 166 | 6400.00 |

| 167 | 6200.00 |

| 168 | 11500.00 |

| 169 | 10000.00 |

| 170 | 9600.00 |

| 171 | 7400.00 |

| 172 | 7300.00 |

| 173 | 6100.00 |

| 174 | 11000.00 |

| 175 | 8800.00 |

| 176 | 8600.00 |

| 177 | 8400.00 |

| 178 | 7000.00 |

| 179 | 6200.00 |

| 180 | 3200.00 |

| 181 | 3100.00 |

| 182 | 2500.00 |

| 183 | 2800.00 |

| 184 | 4200.00 |

| 185 | 4100.00 |

| 186 | 3400.00 |

| 187 | 3000.00 |

| 188 | 3800.00 |

| 189 | 3600.00 |

| 190 | 2900.00 |

| 191 | 2500.00 |

| 192 | 4000.00 |

| 193 | 3900.00 |

| 194 | 3200.00 |

| 195 | 2800.00 |

| 196 | 3100.00 |

| 197 | 3000.00 |

| 198 | 2600.00 |

| 199 | 2600.00 |

| 200 | 4400.00 |

| 202 | 6000.00 |

| 203 | 6500.00 |

| 204 | 10000.00 |

| 206 | 8300.00 |

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

89 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,salary from employees where employee\_id not in(select manager\_id from employees) AND where salary < all (select salary from employees where employee\_id in (select manager\_id from employees where department\_id in(select department\_id from locations where location\_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 'where salary < all (select salary from employees where employee\_id in (select ma' at line 1

MariaDB [csd2204w18]> select employee\_id,salary from employees where salary > ( select salary from employees where employee\_id in(select manager\_id form employees);

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 'employees)' at line 1

MariaDB [csd2204w18]> select employee\_id,salary from employees where salary > ( select salary from employees where employee\_id in(select manager\_id form employees));

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 'employees))' at line 1

MariaDB [csd2204w18]> select employee\_id,salary from employees where salary > all( select salary from employees where employee\_id in(select manager\_id form employees));

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 'employees))' at line 1

MariaDB [csd2204w18]> select employee\_id,salary from employees where salary > all( select salary from employees where employee\_id in(select manager\_id from employees));

Empty set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,salary from employees where salary > any( select salary from employees where employee\_id in(select manager\_id from employees));

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

| employee\_id | salary |

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

| 100 | 24000.00 |

| 101 | 17000.00 |

| 102 | 17000.00 |

| 103 | 9000.00 |

| 104 | 6000.00 |

| 108 | 12000.00 |

| 109 | 9000.00 |

| 110 | 8200.00 |

| 111 | 7700.00 |

| 112 | 7800.00 |

| 113 | 6900.00 |

| 114 | 11000.00 |

| 120 | 8000.00 |

| 121 | 8200.00 |

| 122 | 7900.00 |

| 123 | 6500.00 |

| 145 | 14000.00 |

| 146 | 13500.00 |

| 147 | 12000.00 |

| 148 | 11000.00 |

| 149 | 10500.00 |

| 150 | 10000.00 |

| 151 | 9500.00 |

| 152 | 9000.00 |

| 153 | 8000.00 |

| 154 | 7500.00 |

| 155 | 7000.00 |

| 156 | 10000.00 |

| 157 | 9500.00 |

| 158 | 9000.00 |

| 159 | 8000.00 |

| 160 | 7500.00 |

| 161 | 7000.00 |

| 162 | 10500.00 |

| 163 | 9500.00 |

| 164 | 7200.00 |

| 165 | 6800.00 |

| 166 | 6400.00 |

| 167 | 6200.00 |

| 168 | 11500.00 |

| 169 | 10000.00 |

| 170 | 9600.00 |

| 171 | 7400.00 |

| 172 | 7300.00 |

| 173 | 6100.00 |

| 174 | 11000.00 |

| 175 | 8800.00 |

| 176 | 8600.00 |

| 177 | 8400.00 |

| 178 | 7000.00 |

| 179 | 6200.00 |

| 201 | 13000.00 |

| 202 | 6000.00 |

| 203 | 6500.00 |

| 204 | 10000.00 |

| 205 | 12000.00 |

| 206 | 8300.00 |

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

57 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,salary from employees where salary > any( select 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 | salary |

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

| 100 | 24000.00 |

| 101 | 17000.00 |

| 102 | 17000.00 |

| 103 | 9000.00 |

| 104 | 6000.00 |

| 108 | 12000.00 |

| 109 | 9000.00 |

| 110 | 8200.00 |

| 111 | 7700.00 |

| 112 | 7800.00 |

| 113 | 6900.00 |

| 114 | 11000.00 |

| 120 | 8000.00 |

| 121 | 8200.00 |

| 122 | 7900.00 |

| 123 | 6500.00 |

| 145 | 14000.00 |

| 146 | 13500.00 |

| 147 | 12000.00 |

| 148 | 11000.00 |

| 149 | 10500.00 |

| 150 | 10000.00 |

| 151 | 9500.00 |

| 152 | 9000.00 |

| 153 | 8000.00 |

| 154 | 7500.00 |

| 155 | 7000.00 |

| 156 | 10000.00 |

| 157 | 9500.00 |

| 158 | 9000.00 |

| 159 | 8000.00 |

| 160 | 7500.00 |

| 161 | 7000.00 |

| 162 | 10500.00 |

| 163 | 9500.00 |

| 164 | 7200.00 |

| 165 | 6800.00 |

| 166 | 6400.00 |

| 167 | 6200.00 |

| 168 | 11500.00 |

| 169 | 10000.00 |

| 170 | 9600.00 |

| 171 | 7400.00 |

| 172 | 7300.00 |

| 173 | 6100.00 |

| 174 | 11000.00 |

| 175 | 8800.00 |

| 176 | 8600.00 |

| 177 | 8400.00 |

| 178 | 7000.00 |

| 179 | 6200.00 |

| 201 | 13000.00 |

| 202 | 6000.00 |

| 203 | 6500.00 |

| 204 | 10000.00 |

| 205 | 12000.00 |

| 206 | 8300.00 |

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

57 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,salary from employees where salary > any( select salary 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'))));

Empty set (0.02 sec)

MariaDB [csd2204w18]> select employee\_id,salary from employees where salary < any( select 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 | salary |

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

| 101 | 17000.00 |

| 102 | 17000.00 |

| 103 | 9000.00 |

| 104 | 6000.00 |

| 105 | 4800.00 |

| 106 | 4800.00 |

| 107 | 4200.00 |

| 108 | 12000.00 |

| 109 | 9000.00 |

| 110 | 8200.00 |

| 111 | 7700.00 |

| 112 | 7800.00 |

| 113 | 6900.00 |

| 114 | 11000.00 |

| 115 | 3100.00 |

| 116 | 2900.00 |

| 117 | 2800.00 |

| 118 | 2600.00 |

| 119 | 2500.00 |

| 120 | 8000.00 |

| 121 | 8200.00 |

| 122 | 7900.00 |

| 123 | 6500.00 |

| 124 | 5800.00 |

| 125 | 3200.00 |

| 126 | 2700.00 |

| 127 | 2400.00 |

| 128 | 2200.00 |

| 129 | 3300.00 |

| 130 | 2800.00 |

| 131 | 2500.00 |

| 132 | 2100.00 |

| 133 | 3300.00 |

| 134 | 2900.00 |

| 135 | 2400.00 |

| 136 | 2200.00 |

| 137 | 3600.00 |

| 138 | 3200.00 |

| 139 | 2700.00 |

| 140 | 2500.00 |

| 141 | 3500.00 |

| 142 | 3100.00 |

| 143 | 2600.00 |

| 144 | 2500.00 |

| 145 | 14000.00 |

| 146 | 13500.00 |

| 147 | 12000.00 |

| 148 | 11000.00 |

| 149 | 10500.00 |

| 150 | 10000.00 |

| 151 | 9500.00 |

| 152 | 9000.00 |

| 153 | 8000.00 |

| 154 | 7500.00 |

| 155 | 7000.00 |

| 156 | 10000.00 |

| 157 | 9500.00 |

| 158 | 9000.00 |

| 159 | 8000.00 |

| 160 | 7500.00 |

| 161 | 7000.00 |

| 162 | 10500.00 |

| 163 | 9500.00 |

| 164 | 7200.00 |

| 165 | 6800.00 |

| 166 | 6400.00 |

| 167 | 6200.00 |

| 168 | 11500.00 |

| 169 | 10000.00 |

| 170 | 9600.00 |

| 171 | 7400.00 |

| 172 | 7300.00 |

| 173 | 6100.00 |

| 174 | 11000.00 |

| 175 | 8800.00 |

| 176 | 8600.00 |

| 177 | 8400.00 |

| 178 | 7000.00 |

| 179 | 6200.00 |

| 180 | 3200.00 |

| 181 | 3100.00 |

| 182 | 2500.00 |

| 183 | 2800.00 |

| 184 | 4200.00 |

| 185 | 4100.00 |

| 186 | 3400.00 |

| 187 | 3000.00 |

| 188 | 3800.00 |

| 189 | 3600.00 |

| 190 | 2900.00 |

| 191 | 2500.00 |

| 192 | 4000.00 |

| 193 | 3900.00 |

| 194 | 3200.00 |

| 195 | 2800.00 |

| 196 | 3100.00 |

| 197 | 3000.00 |

| 198 | 2600.00 |

| 199 | 2600.00 |

| 200 | 4400.00 |

| 201 | 13000.00 |

| 202 | 6000.00 |

| 203 | 6500.00 |

| 204 | 10000.00 |

| 205 | 12000.00 |

| 206 | 8300.00 |

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

106 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,salary from employees where salary > any( select 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 | salary |

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

| 100 | 24000.00 |

| 101 | 17000.00 |

| 102 | 17000.00 |

| 103 | 9000.00 |

| 104 | 6000.00 |

| 108 | 12000.00 |

| 109 | 9000.00 |

| 110 | 8200.00 |

| 111 | 7700.00 |

| 112 | 7800.00 |

| 113 | 6900.00 |

| 114 | 11000.00 |

| 120 | 8000.00 |

| 121 | 8200.00 |

| 122 | 7900.00 |

| 123 | 6500.00 |

| 145 | 14000.00 |

| 146 | 13500.00 |

| 147 | 12000.00 |

| 148 | 11000.00 |

| 149 | 10500.00 |

| 150 | 10000.00 |

| 151 | 9500.00 |

| 152 | 9000.00 |

| 153 | 8000.00 |

| 154 | 7500.00 |

| 155 | 7000.00 |

| 156 | 10000.00 |

| 157 | 9500.00 |

| 158 | 9000.00 |

| 159 | 8000.00 |

| 160 | 7500.00 |

| 161 | 7000.00 |

| 162 | 10500.00 |

| 163 | 9500.00 |

| 164 | 7200.00 |

| 165 | 6800.00 |

| 166 | 6400.00 |

| 167 | 6200.00 |

| 168 | 11500.00 |

| 169 | 10000.00 |

| 170 | 9600.00 |

| 171 | 7400.00 |

| 172 | 7300.00 |

| 173 | 6100.00 |

| 174 | 11000.00 |

| 175 | 8800.00 |

| 176 | 8600.00 |

| 177 | 8400.00 |

| 178 | 7000.00 |

| 179 | 6200.00 |

| 201 | 13000.00 |

| 202 | 6000.00 |

| 203 | 6500.00 |

| 204 | 10000.00 |

| 205 | 12000.00 |

| 206 | 8300.00 |

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

57 rows in set (0.02 sec)

MariaDB [csd2204w18]> select employee\_id,salary from employees where employee\_id not 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 '' at line 1

MariaDB [csd2204w18]> select employee\_id,salary from employees where employee\_id not 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 | salary |

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

| 104 | 6000.00 |

| 105 | 4800.00 |

| 106 | 4800.00 |

| 107 | 4200.00 |

| 109 | 9000.00 |

| 110 | 8200.00 |

| 111 | 7700.00 |

| 112 | 7800.00 |

| 113 | 6900.00 |

| 115 | 3100.00 |

| 116 | 2900.00 |

| 117 | 2800.00 |

| 118 | 2600.00 |

| 119 | 2500.00 |

| 125 | 3200.00 |

| 126 | 2700.00 |

| 127 | 2400.00 |

| 128 | 2200.00 |

| 129 | 3300.00 |

| 130 | 2800.00 |

| 131 | 2500.00 |

| 132 | 2100.00 |

| 133 | 3300.00 |

| 134 | 2900.00 |

| 135 | 2400.00 |

| 136 | 2200.00 |

| 137 | 3600.00 |

| 138 | 3200.00 |

| 139 | 2700.00 |

| 140 | 2500.00 |

| 141 | 3500.00 |

| 142 | 3100.00 |

| 143 | 2600.00 |

| 144 | 2500.00 |

| 145 | 14000.00 |

| 146 | 13500.00 |

| 147 | 12000.00 |

| 148 | 11000.00 |

| 149 | 10500.00 |

| 150 | 10000.00 |

| 151 | 9500.00 |

| 152 | 9000.00 |

| 153 | 8000.00 |

| 154 | 7500.00 |

| 155 | 7000.00 |

| 156 | 10000.00 |

| 157 | 9500.00 |

| 158 | 9000.00 |

| 159 | 8000.00 |

| 160 | 7500.00 |

| 161 | 7000.00 |

| 162 | 10500.00 |

| 163 | 9500.00 |

| 164 | 7200.00 |

| 165 | 6800.00 |

| 166 | 6400.00 |

| 167 | 6200.00 |

| 168 | 11500.00 |

| 169 | 10000.00 |

| 170 | 9600.00 |

| 171 | 7400.00 |

| 172 | 7300.00 |

| 173 | 6100.00 |

| 174 | 11000.00 |

| 175 | 8800.00 |

| 176 | 8600.00 |

| 177 | 8400.00 |

| 178 | 7000.00 |

| 179 | 6200.00 |

| 180 | 3200.00 |

| 181 | 3100.00 |

| 182 | 2500.00 |

| 183 | 2800.00 |

| 184 | 4200.00 |

| 185 | 4100.00 |

| 186 | 3400.00 |

| 187 | 3000.00 |

| 188 | 3800.00 |

| 189 | 3600.00 |

| 190 | 2900.00 |

| 191 | 2500.00 |

| 192 | 4000.00 |

| 193 | 3900.00 |

| 194 | 3200.00 |

| 195 | 2800.00 |

| 196 | 3100.00 |

| 197 | 3000.00 |

| 198 | 2600.00 |

| 199 | 2600.00 |

| 200 | 4400.00 |

| 201 | 13000.00 |

| 202 | 6000.00 |

| 203 | 6500.00 |

| 204 | 10000.00 |

| 206 | 8300.00 |

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

95 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,salary from employees where employee\_id not 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 | salary |

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

| 104 | 6000.00 |

| 105 | 4800.00 |

| 106 | 4800.00 |

| 107 | 4200.00 |

| 109 | 9000.00 |

| 110 | 8200.00 |

| 111 | 7700.00 |

| 112 | 7800.00 |

| 113 | 6900.00 |

| 115 | 3100.00 |

| 116 | 2900.00 |

| 117 | 2800.00 |

| 118 | 2600.00 |

| 119 | 2500.00 |

| 125 | 3200.00 |

| 126 | 2700.00 |

| 127 | 2400.00 |

| 128 | 2200.00 |

| 129 | 3300.00 |

| 130 | 2800.00 |

| 131 | 2500.00 |

| 132 | 2100.00 |

| 133 | 3300.00 |

| 134 | 2900.00 |

| 135 | 2400.00 |

| 136 | 2200.00 |

| 137 | 3600.00 |

| 138 | 3200.00 |

| 139 | 2700.00 |

| 140 | 2500.00 |

| 141 | 3500.00 |

| 142 | 3100.00 |

| 143 | 2600.00 |

| 144 | 2500.00 |

| 145 | 14000.00 |

| 146 | 13500.00 |

| 147 | 12000.00 |

| 148 | 11000.00 |

| 149 | 10500.00 |

| 150 | 10000.00 |

| 151 | 9500.00 |

| 152 | 9000.00 |

| 153 | 8000.00 |

| 154 | 7500.00 |

| 155 | 7000.00 |

| 156 | 10000.00 |

| 157 | 9500.00 |

| 158 | 9000.00 |

| 159 | 8000.00 |

| 160 | 7500.00 |

| 161 | 7000.00 |

| 162 | 10500.00 |

| 163 | 9500.00 |

| 164 | 7200.00 |

| 165 | 6800.00 |

| 166 | 6400.00 |

| 167 | 6200.00 |

| 168 | 11500.00 |

| 169 | 10000.00 |

| 170 | 9600.00 |

| 171 | 7400.00 |

| 172 | 7300.00 |

| 173 | 6100.00 |

| 174 | 11000.00 |

| 175 | 8800.00 |

| 176 | 8600.00 |

| 177 | 8400.00 |

| 178 | 7000.00 |

| 179 | 6200.00 |

| 180 | 3200.00 |

| 181 | 3100.00 |

| 182 | 2500.00 |

| 183 | 2800.00 |

| 184 | 4200.00 |

| 185 | 4100.00 |

| 186 | 3400.00 |

| 187 | 3000.00 |

| 188 | 3800.00 |

| 189 | 3600.00 |

| 190 | 2900.00 |

| 191 | 2500.00 |

| 192 | 4000.00 |

| 193 | 3900.00 |

| 194 | 3200.00 |

| 195 | 2800.00 |

| 196 | 3100.00 |

| 197 | 3000.00 |

| 198 | 2600.00 |

| 199 | 2600.00 |

| 200 | 4400.00 |

| 201 | 13000.00 |

| 202 | 6000.00 |

| 203 | 6500.00 |

| 204 | 10000.00 |

| 206 | 8300.00 |

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

95 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,salary from employees where employee\_id not in(select manager\_id from employees where salary > 4000 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 'department\_id in ( select department\_id from departments where location\_id in(se' at line 1

MariaDB [csd2204w18]> select employee\_id,salary from employees where employee\_id not in(select manager\_id from employees where salary > 4000 AND department\_id in ( select department\_id from departments where location\_id in(select location\_id from locations where country\_id='US')));

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

| employee\_id | salary |

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

| 104 | 6000.00 |

| 105 | 4800.00 |

| 106 | 4800.00 |

| 107 | 4200.00 |

| 109 | 9000.00 |

| 110 | 8200.00 |

| 111 | 7700.00 |

| 112 | 7800.00 |

| 113 | 6900.00 |

| 114 | 11000.00 |

| 115 | 3100.00 |

| 116 | 2900.00 |

| 117 | 2800.00 |

| 118 | 2600.00 |

| 119 | 2500.00 |

| 120 | 8000.00 |

| 122 | 7900.00 |

| 123 | 6500.00 |

| 124 | 5800.00 |

| 125 | 3200.00 |

| 126 | 2700.00 |

| 127 | 2400.00 |

| 128 | 2200.00 |

| 129 | 3300.00 |

| 130 | 2800.00 |

| 131 | 2500.00 |

| 132 | 2100.00 |

| 133 | 3300.00 |

| 134 | 2900.00 |

| 135 | 2400.00 |

| 136 | 2200.00 |

| 137 | 3600.00 |

| 138 | 3200.00 |

| 139 | 2700.00 |

| 140 | 2500.00 |

| 141 | 3500.00 |

| 142 | 3100.00 |

| 143 | 2600.00 |

| 144 | 2500.00 |

| 145 | 14000.00 |

| 146 | 13500.00 |

| 147 | 12000.00 |

| 148 | 11000.00 |

| 149 | 10500.00 |

| 150 | 10000.00 |

| 151 | 9500.00 |

| 152 | 9000.00 |

| 153 | 8000.00 |

| 154 | 7500.00 |

| 155 | 7000.00 |

| 156 | 10000.00 |

| 157 | 9500.00 |

| 158 | 9000.00 |

| 159 | 8000.00 |

| 160 | 7500.00 |

| 161 | 7000.00 |

| 162 | 10500.00 |

| 163 | 9500.00 |

| 164 | 7200.00 |

| 165 | 6800.00 |

| 166 | 6400.00 |

| 167 | 6200.00 |

| 168 | 11500.00 |

| 169 | 10000.00 |

| 170 | 9600.00 |

| 171 | 7400.00 |

| 172 | 7300.00 |

| 173 | 6100.00 |

| 174 | 11000.00 |

| 175 | 8800.00 |

| 176 | 8600.00 |

| 177 | 8400.00 |

| 178 | 7000.00 |

| 179 | 6200.00 |

| 180 | 3200.00 |

| 181 | 3100.00 |

| 182 | 2500.00 |

| 183 | 2800.00 |

| 184 | 4200.00 |

| 185 | 4100.00 |

| 186 | 3400.00 |

| 187 | 3000.00 |

| 188 | 3800.00 |

| 189 | 3600.00 |

| 190 | 2900.00 |

| 191 | 2500.00 |

| 192 | 4000.00 |

| 193 | 3900.00 |

| 194 | 3200.00 |

| 195 | 2800.00 |

| 196 | 3100.00 |

| 197 | 3000.00 |

| 198 | 2600.00 |

| 199 | 2600.00 |

| 200 | 4400.00 |

| 201 | 13000.00 |

| 202 | 6000.00 |

| 203 | 6500.00 |

| 204 | 10000.00 |

| 206 | 8300.00 |

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

100 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,salary from employees where salary > (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 1242 (21000): Subquery returns more than 1 row

MariaDB [csd2204w18]> select employee\_id,salary from employees where (salary > ANY(select salary from employees where(employee\_id in (select manager\_id from eployees)) and 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);

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

MariaDB [csd2204w18]> select employee\_id,salary from employees where (salary > ANY(select salary from employees where(employee\_id in (select manager\_id from employees)) and 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 | salary |

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

| 104 | 6000.00 |

| 109 | 9000.00 |

| 110 | 8200.00 |

| 111 | 7700.00 |

| 112 | 7800.00 |

| 113 | 6900.00 |

| 150 | 10000.00 |

| 151 | 9500.00 |

| 152 | 9000.00 |

| 153 | 8000.00 |

| 154 | 7500.00 |

| 155 | 7000.00 |

| 156 | 10000.00 |

| 157 | 9500.00 |

| 158 | 9000.00 |

| 159 | 8000.00 |

| 160 | 7500.00 |

| 161 | 7000.00 |

| 162 | 10500.00 |

| 163 | 9500.00 |

| 164 | 7200.00 |

| 165 | 6800.00 |

| 166 | 6400.00 |

| 167 | 6200.00 |

| 168 | 11500.00 |

| 169 | 10000.00 |

| 170 | 9600.00 |

| 171 | 7400.00 |

| 172 | 7300.00 |

| 173 | 6100.00 |

| 174 | 11000.00 |

| 175 | 8800.00 |

| 176 | 8600.00 |

| 177 | 8400.00 |

| 178 | 7000.00 |

| 179 | 6200.00 |

| 202 | 6000.00 |

| 203 | 6500.00 |

| 204 | 10000.00 |

| 206 | 8300.00 |

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

40 rows in set (0.00 sec)

MariaDB [csd2204w18]> set @i = 0;

Query OK, 0 rows affected (0.00 sec)

MariaDB [csd2204w18]> select i;

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

MariaDB [csd2204w18]> SELECT i;

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

MariaDB [csd2204w18]> SELECT @i;

+------+

| @i |

+------+

| 0 |

+------+

1 row in set (0.03 sec)

MariaDB [csd2204w18]> SELECT @i as i;

+------+

| i |

+------+

| 0 |

+------+

1 row in set (0.02 sec)

MariaDB [csd2204w18]> SELECT i, employee\_id from (SELECT @i := @i+1 as i, employee\_id from employees) a where mod(a.1, 2) = 0;

ERROR 1054 (42S22): Unknown column 'a.1' in 'where clause'

MariaDB [csd2204w18]> SELECT i, employee\_id

-> 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 (0.00 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 (0.02 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 (0.00 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 (0.02 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 (0.00 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 |

+---------+

| 2400.00 |

| 2200.00 |

| 2100.00 |

+---------+

3 rows in set (0.01 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 (0.02 sec)

MariaDB [csd2204w18]> create table AC\_MAST (

-> ac\_type VARCHAR(50),

-> ac\_no INT,

-> cust\_no INT Foreign Key,

-> bal VARCHAR(50),

-> od\_limit VARCHAR(50),

-> CONSTRAINT Primary Key(ac\_no,ac\_type)

-> );

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 'Foreign Key,

bal VARCHAR(50),

od\_limit VARCHAR(50),

CONSTRAINT Primary Key(ac\_no' at line 4

MariaDB [csd2204w18]> create table AC\_MAST (

-> ac\_type VARCHAR(50),

-> ac\_no INT,

-> cust\_no INT Foreign Key,

-> bal VARCHAR(50),

-> od\_limit VARCHAR(50),

-> Primary Key(ac\_no,ac\_type)

-> );

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 'Foreign Key,

bal VARCHAR(50),

od\_limit VARCHAR(50),

Primary Key(ac\_no,ac\_typ' at line 4

MariaDB [csd2204w18]> create table AC\_MAST (

-> ac\_type VARCHAR(50),

-> ac\_no INT,

-> cust\_no INT Foreign Key,

-> bal VARCHAR(50),

-> od\_limit VARCHAR(50),

-> Primary Key(ac\_no,ac\_type)

-> Primary Key(ac\_no,ac\_type

-> [';l

'> ;

'> ;

'>

'> ;;

'> ;

'> ;'

-> '

'> ;

'>

'> ;

'> '

-> ;;

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 'Foreign Key,

bal VARCHAR(50),

od\_limit VARCHAR(50),

Primary Key(ac\_no,ac\_typ' at line 4

ERROR: No query specified

MariaDB [csd2204w18]> create table AC\_MAST (

-> ac\_type VARCHAR(3),

-> ac\_no INT(4),

-> cust\_no INT(5) Foreign Key,

-> bal VARCHAR(10,2),

-> od\_limit decimal(10,2),

-> Primary Key(ac\_no,ac\_type)

-> );

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 'Foreign Key,

bal VARCHAR(10,2),

od\_limit decimal(10,2),

Primary Key(ac\_no,ac' at line 4

MariaDB [csd2204w18]> create table AC\_MAST (

-> ac\_type VARCHAR(3),

-> ac\_no INT(4),

-> cust\_no INT(5) Foreign Key,

-> bal VARCHAR(10,2),

-> od\_limit decimal(10,2),

-> Primary Key(ac\_no,ac\_type)

-> );

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 'Foreign Key,

bal VARCHAR(10,2),

od\_limit decimal(10,2),

Primary Key(ac\_no,ac' at line 4

MariaDB [csd2204w18]> create table AC\_MAST (

-> ac\_type VARCHAR(3),

-> ac\_no INT(4),

-> cust\_no INT(5) ,

-> bal VARCHAR(10,2),

-> od\_limit decimal(10,2),

-> Primary Key(ac\_no,ac\_type),

-> Foreign Key(cust\_no) References CUST\_MAST(cust\_no)

-> );

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 '2),

od\_limit decimal(10,2),

Primary Key(ac\_no,ac\_type),

Foreign Key(cust\_no)' at line 5

MariaDB [csd2204w18]> create table CUST\_MAST (

-> cust\_no INT(5) Primary Key,

-> name VARCHAR(50),

-> addr1 VARCHAR(50),

-> addr2 VARCHAR(50),

-> addr3 VARCHAR(50),

-> city VARCHAR(30),

-> state VARCHAR(20)

-> );

Query OK, 0 rows affected (0.31 sec)

MariaDB [csd2204w18]> create table AC\_MAST (

-> ac\_type VARCHAR(3),

-> ac\_no INT(4),

-> cust\_no INT(5),

-> bal DECIMAL(10,2),

-> od\_limit DECIMAL(10,2),

-> Primary Key (ac\_type,ac\_no),

-> Foreign Key (cust\_no) references CUST\_MAST(cust\_no)

-> );

Query OK, 0 rows affected (0.31 sec)

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('NOK', 4696, 1, 9790.2, 1065.68);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`csd2204w18`.`ac\_mast`, CONSTRAINT `ac\_mast\_ibfk\_1` FOREIGN KEY (`cust\_no`) REFERENCES `cust\_mast` (`cust\_no`))

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('PLN', 2345, 2, 8315.07, 1581.17);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`csd2204w18`.`ac\_mast`, CONSTRAINT `ac\_mast\_ibfk\_1` FOREIGN KEY (`cust\_no`) REFERENCES `cust\_mast` (`cust\_no`))

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('UYU', 2476, 3, 7414.2, 1737.69);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`csd2204w18`.`ac\_mast`, CONSTRAINT `ac\_mast\_ibfk\_1` FOREIGN KEY (`cust\_no`) REFERENCES `cust\_mast` (`cust\_no`))

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('SOS', 2619, 4, 8444.47, 2170.43);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`csd2204w18`.`ac\_mast`, CONSTRAINT `ac\_mast\_ibfk\_1` FOREIGN KEY (`cust\_no`) REFERENCES `cust\_mast` (`cust\_no`))

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('BRL', 3380, 5, 7026.6, 2360.86);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`csd2204w18`.`ac\_mast`, CONSTRAINT `ac\_mast\_ibfk\_1` FOREIGN KEY (`cust\_no`) REFERENCES `cust\_mast` (`cust\_no`))

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('VND', 4070, 6, 5902.9, 2587.25);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`csd2204w18`.`ac\_mast`, CONSTRAINT `ac\_mast\_ibfk\_1` FOREIGN KEY (`cust\_no`) REFERENCES `cust\_mast` (`cust\_no`))

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('VND', 3291, 7, 6072.88, 2637.92);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`csd2204w18`.`ac\_mast`, CONSTRAINT `ac\_mast\_ibfk\_1` FOREIGN KEY (`cust\_no`) REFERENCES `cust\_mast` (`cust\_no`))

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('BRL', 4220, 8, 5801.32, 1899.98);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`csd2204w18`.`ac\_mast`, CONSTRAINT `ac\_mast\_ibfk\_1` FOREIGN KEY (`cust\_no`) REFERENCES `cust\_mast` (`cust\_no`))

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('LTL', 2079, 9, 7281.11, 2604.44);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`csd2204w18`.`ac\_mast`, CONSTRAINT `ac\_mast\_ibfk\_1` FOREIGN KEY (`cust\_no`) REFERENCES `cust\_mast` (`cust\_no`))

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('PHP', 3971, 10, 6843.68, 2790.22);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`csd2204w18`.`ac\_mast`, CONSTRAINT `ac\_mast\_ibfk\_1` FOREIGN KEY (`cust\_no`) REFERENCES `cust\_mast` (`cust\_no`))

MariaDB [csd2204w18]> insert into CUST\_MAST (cust\_no, name, addr1, addr2, addr3, city, state) values (1, 'Earvin Eagland', '7281 Oak Valley Alley', '5 Loeprich Lane', '87 Eliot Trail', 'Linköping', 'Östergötland');

Query OK, 1 row affected (1.25 sec)

MariaDB [csd2204w18]> insert into CUST\_MAST (cust\_no, name, addr1, addr2, addr3, city, state) values (2, 'Dolly Paintain', '88 8th Circle', '8287 Stang Drive', '0 Lotheville Terrace', 'Arevik', null);

Query OK, 1 row affected (0.44 sec)

MariaDB [csd2204w18]> insert into CUST\_MAST (cust\_no, name, addr1, addr2, addr3, city, state) values (3, 'Eachelle Manderson', '8063 Bobwhite Circle', '4609 Spenser Way', '9 Rockefeller Hill', 'Bolinao', null);

Query OK, 1 row affected (0.17 sec)

MariaDB [csd2204w18]> insert into CUST\_MAST (cust\_no, name, addr1, addr2, addr3, city, state) values (4, 'Emmet Lauderdale', '2 Grover Hill', '261 Loftsgordon Avenue', '73 1st Alley', 'Shangyuan', null);

Query OK, 1 row affected (0.14 sec)

MariaDB [csd2204w18]> insert into CUST\_MAST (cust\_no, name, addr1, addr2, addr3, city, state) values (5, 'Monty Corrin', '96 Stephen Parkway', '66 Parkside Crossing', '795 Fairfield Center', 'Distracción', null);

Query OK, 1 row affected (0.10 sec)

MariaDB [csd2204w18]> insert into CUST\_MAST (cust\_no, name, addr1, addr2, addr3, city, state) values (6, 'Brynne Telling', '09225 Colorado Hill', '772 Heffernan Court', '8486 Crownhardt Trail', 'Saramech', null);

Query OK, 1 row affected (0.15 sec)

MariaDB [csd2204w18]> insert into CUST\_MAST (cust\_no, name, addr1, addr2, addr3, city, state) values (7, 'Erminie Blackshaw', '3 Fordem Junction', '820 Spenser Place', '82326 Stephen Drive', 'Umbanyar', null);

Query OK, 1 row affected (0.14 sec)

MariaDB [csd2204w18]> insert into CUST\_MAST (cust\_no, name, addr1, addr2, addr3, city, state) values (8, 'Jory Bamlett', '47 Fairview Plaza', '9 Fallview Hill', '575 Alpine Circle', 'Rongelap', null);

Query OK, 1 row affected (0.19 sec)

MariaDB [csd2204w18]> insert into CUST\_MAST (cust\_no, name, addr1, addr2, addr3, city, state) values (9, 'Chilton Wiles', '89 Superior Drive', '385 Jay Place', '8221 Delladonna Lane', 'Cosquín', null);

Query OK, 1 row affected (0.14 sec)

MariaDB [csd2204w18]> insert into CUST\_MAST (cust\_no, name, addr1, addr2, addr3, city, state) values (10, 'Marlane Klemensiewicz', '21326 Vera Park', '73404 Eggendart Junction', '71863 Dunning Park', 'Brataj', null);

Query OK, 1 row affected (0.19 sec)

MariaDB [csd2204w18]> select \* from CUST\_MAST;

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

| cust\_no | name | addr1 | addr2 | addr3 | city | state |

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

| 1 | Earvin Eagland | 7281 Oak Valley Alley | 5 Loeprich Lane | 87 Eliot Trail | Linköping | Östergötland |

| 2 | Dolly Paintain | 88 8th Circle | 8287 Stang Drive | 0 Lotheville Terrace | Arevik | NULL |

| 3 | Eachelle Manderson | 8063 Bobwhite Circle | 4609 Spenser Way | 9 Rockefeller Hill | Bolinao | NULL |

| 4 | Emmet Lauderdale | 2 Grover Hill | 261 Loftsgordon Avenue | 73 1st Alley | Shangyuan | NULL |

| 5 | Monty Corrin | 96 Stephen Parkway | 66 Parkside Crossing | 795 Fairfield Center | Distracción | NULL |

| 6 | Brynne Telling | 09225 Colorado Hill | 772 Heffernan Court | 8486 Crownhardt Trail | Saramech | NULL |

| 7 | Erminie Blackshaw | 3 Fordem Junction | 820 Spenser Place | 82326 Stephen Drive | Umbanyar | NULL |

| 8 | Jory Bamlett | 47 Fairview Plaza | 9 Fallview Hill | 575 Alpine Circle | Rongelap | NULL |

| 9 | Chilton Wiles | 89 Superior Drive | 385 Jay Place | 8221 Delladonna Lane | Cosquín | NULL |

| 10 | Marlane Klemensiewicz | 21326 Vera Park | 73404 Eggendart Junction | 71863 Dunning Park | Brataj | NULL |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> delete from CUST\_MAST;

Query OK, 10 rows affected (0.16 sec)

MariaDB [csd2204w18]> insert into CUST\_MAST (cust\_no, name, addr1, addr2, addr3, city, state) values (1, 'Lari Membry', '05952 Glacier Hill Alley', '620 Twin Pines Street', '4 Goodland Alley', 'Paterson', 'New Jersey');

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> insert into CUST\_MAST (cust\_no, name, addr1, addr2, addr3, city, state) values (2, 'Broderic Sartin', '13171 Kings Center', '5710 Transport Park', '4391 Ramsey Center', 'Savannah', 'Georgia');

Query OK, 1 row affected (0.01 sec)

MariaDB [csd2204w18]> insert into CUST\_MAST (cust\_no, name, addr1, addr2, addr3, city, state) values (3, 'Adelaida Hallas', '0 Blue Bill Park Court', '8 Susan Hill', '89 Oak Park', 'El Paso', 'Texas');

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> insert into CUST\_MAST (cust\_no, name, addr1, addr2, addr3, city, state) values (4, 'Boris Calveley', '37 Columbus Hill', '52 Texas Park', '1 Tomscot Drive', 'Washington', 'District of Columbia');

Query OK, 1 row affected (0.03 sec)

MariaDB [csd2204w18]> insert into CUST\_MAST (cust\_no, name, addr1, addr2, addr3, city, state) values (5, 'Virginia Cawthorn', '597 Milwaukee Street', '3 Pankratz Terrace', '5952 Lake View Road', 'Albuquerque', 'New Mexico');

Query OK, 1 row affected (0.03 sec)

MariaDB [csd2204w18]> insert into CUST\_MAST (cust\_no, name, addr1, addr2, addr3, city, state) values (6, 'Clemmy Briddle', '3 John Wall Junction', '1 Surrey Court', '1227 Bunker Hill Point', 'Cincinnati', 'Ohio');

Query OK, 1 row affected (0.03 sec)

MariaDB [csd2204w18]> insert into CUST\_MAST (cust\_no, name, addr1, addr2, addr3, city, state) values (7, 'Shirlee Vosse', '1 Arrowood Trail', '3 Southridge Plaza', '83 Lukken Crossing', 'Seattle', 'Washington');

Query OK, 1 row affected (0.01 sec)

MariaDB [csd2204w18]> insert into CUST\_MAST (cust\_no, name, addr1, addr2, addr3, city, state) values (8, 'Kalle Boulding', '887 Granby Circle', '2 Walton Trail', '6 Milwaukee Park', 'Washington', 'District of Columbia');

Query OK, 1 row affected (0.03 sec)

MariaDB [csd2204w18]> insert into CUST\_MAST (cust\_no, name, addr1, addr2, addr3, city, state) values (9, 'Cecelia Teresi', '618 Sommers Parkway', '11331 Maryland Trail', '2086 Miller Street', 'Cleveland', 'Ohio');

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18]> insert into CUST\_MAST (cust\_no, name, addr1, addr2, addr3, city, state) values (10, 'Mikaela Penwell', '1 Mallory Circle', '1634 Eastwood Alley', '98 Bunting Circle', 'Saint Louis', 'Missouri');

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18]> select \* from cust\_mast;

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

| cust\_no | name | addr1 | addr2 | addr3 | city | state |

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

| 1 | Lari Membry | 05952 Glacier Hill Alley | 620 Twin Pines Street | 4 Goodland Alley | Paterson | New Jersey |

| 2 | Broderic Sartin | 13171 Kings Center | 5710 Transport Park | 4391 Ramsey Center | Savannah | Georgia |

| 3 | Adelaida Hallas | 0 Blue Bill Park Court | 8 Susan Hill | 89 Oak Park | El Paso | Texas |

| 4 | Boris Calveley | 37 Columbus Hill | 52 Texas Park | 1 Tomscot Drive | Washington | District of Columbia |

| 5 | Virginia Cawthorn | 597 Milwaukee Street | 3 Pankratz Terrace | 5952 Lake View Road | Albuquerque | New Mexico |

| 6 | Clemmy Briddle | 3 John Wall Junction | 1 Surrey Court | 1227 Bunker Hill Point | Cincinnati | Ohio |

| 7 | Shirlee Vosse | 1 Arrowood Trail | 3 Southridge Plaza | 83 Lukken Crossing | Seattle | Washington |

| 8 | Kalle Boulding | 887 Granby Circle | 2 Walton Trail | 6 Milwaukee Park | Washington | District of Columbia |

| 9 | Cecelia Teresi | 618 Sommers Parkway | 11331 Maryland Trail | 2086 Miller Street | Cleveland | Ohio |

| 10 | Mikaela Penwell | 1 Mallory Circle | 1634 Eastwood Alley | 98 Bunting Circle | Saint Louis | Missouri |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('NOK', 4696, 1, 9790.2, 1065.68);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('PLN', 2345, 2, 8315.07, 1581.17);

Query OK, 1 row affected (0.01 sec)

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('UYU', 2476, 3, 7414.2, 1737.69);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('SOS', 2619, 4, 8444.47, 2170.43);

Query OK, 1 row affected (0.03 sec)

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('BRL', 3380, 5, 7026.6, 2360.86);

Query OK, 1 row affected (0.03 sec)

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('VND', 4070, 6, 5902.9, 2587.25);

Query OK, 1 row affected (0.01 sec)

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('VND', 3291, 7, 6072.88, 2637.92);

Query OK, 1 row affected (0.02 sec)

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('BRL', 4220, 8, 5801.32, 1899.98);

Query OK, 1 row affected (0.02 sec)

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('LTL', 2079, 9, 7281.11, 2604.44);

Query OK, 1 row affected (0.01 sec)

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('PHP', 3971, 10, 6843.68, 2790.22);

Query OK, 1 row affected (0.03 sec)

MariaDB [csd2204w18]> select \* from ac\_mast;

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

| ac\_type | ac\_no | cust\_no | bal | od\_limit |

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

| BRL | 3380 | 5 | 7026.60 | 2360.86 |

| BRL | 4220 | 8 | 5801.32 | 1899.98 |

| LTL | 2079 | 9 | 7281.11 | 2604.44 |

| NOK | 4696 | 1 | 9790.20 | 1065.68 |

| PHP | 3971 | 10 | 6843.68 | 2790.22 |

| PLN | 2345 | 2 | 8315.07 | 1581.17 |

| SOS | 2619 | 4 | 8444.47 | 2170.43 |

| UYU | 2476 | 3 | 7414.20 | 1737.69 |

| VND | 3291 | 7 | 6072.88 | 2637.92 |

| VND | 4070 | 6 | 5902.90 | 2587.25 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> delete \* from ac\_mast'

'> ;

'> '

-> ;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '\* from ac\_mast'

;

'' at line 1

MariaDB [csd2204w18]> delete \* from ac\_mast;

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

MariaDB [csd2204w18]> delete from ac\_mast;

Query OK, 10 rows affected (0.05 sec)

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('NOK', 4696, 1, 9790.2, 1065.68);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('PLN', 2345, 2, 8315.07, 1581.17);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('UYU', 2476, 3, 7414.2, 1737.69);

Query OK, 1 row affected (0.10 sec)

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('SOS', 2619, 4, 8444.47, 2170.43);

Query OK, 1 row affected (0.02 sec)

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('BRL', 3380, 5, 7026.6, 2360.86);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('VND', 4070, 6, 5902.9, 2587.25);

Query OK, 1 row affected (0.02 sec)

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('VND', 3291, 7, 6072.88, 2637.92);

Query OK, 1 row affected (1.47 sec)

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('BRL', 4220, 8, 5801.32, 1899.98);

Query OK, 1 row affected (0.22 sec)

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('LTL', 2079, 9, 7281.11, 2604.44);

Query OK, 1 row affected (0.14 sec)

MariaDB [csd2204w18]> insert into AC\_MAST (ac\_type, ac\_no, cust\_no, bal, od\_limit) values ('PHP', 3971, 10, 6843.68, 2790.22);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18]> select \* from ac\_mast;

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

| ac\_type | ac\_no | cust\_no | bal | od\_limit |

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

| BRL | 3380 | 5 | 7026.60 | 2360.86 |

| BRL | 4220 | 8 | 5801.32 | 1899.98 |

| LTL | 2079 | 9 | 7281.11 | 2604.44 |

| NOK | 4696 | 1 | 9790.20 | 1065.68 |

| PHP | 3971 | 10 | 6843.68 | 2790.22 |

| PLN | 2345 | 2 | 8315.07 | 1581.17 |

| SOS | 2619 | 4 | 8444.47 | 2170.43 |

| UYU | 2476 | 3 | 7414.20 | 1737.69 |

| VND | 3291 | 7 | 6072.88 | 2637.92 |

| VND | 4070 | 6 | 5902.90 | 2587.25 |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> ALTER TABLE ac\_mast drop primary key(ac\_type);

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 '(ac\_type)' at line 1

MariaDB [csd2204w18]> ALTER TABLE ac\_mast drop constraint primary key(ac\_type);

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 'constraint primary key(ac\_type)' at line 1

MariaDB [csd2204w18]> desc ac\_mast;

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

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

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

| ac\_type | varchar(3) | NO | PRI | NULL | |

| ac\_no | int(4) | NO | PRI | NULL | |

| cust\_no | int(5) | YES | MUL | NULL | |

| bal | decimal(10,2) | YES | | NULL | |

| od\_limit | decimal(10,2) | YES | | NULL | |

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

5 rows in set (0.00 sec)

MariaDB [csd2204w18]> alter table ac\_mast drop primary key;

Query OK, 10 rows affected (1.45 sec)

Records: 10 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> alter table ac\_mast add primary key(ac\_type, ac\_no);

Query OK, 0 rows affected (0.84 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> exit

Bye

728636@128-IMAC10 c:\xampp

# mysqldump -u root -p csd2204w18 > day9sql.sql

Enter password:

728636@128-IMAC10 c:\xampp

#