Setting environment for using XAMPP for Windows.

731816@128-IMAC27 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

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

MariaDB [(none)]> show databases;

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

| Database |

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

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| test |

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

5 rows in set (0.03 sec)

MariaDB [(none)]> create database csd2204w18;

Query OK, 1 row affected (0.20 sec)

MariaDB [(none)]> use csd2204w18;

Database changed

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 (0.11 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=13 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 `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,'COw'),(11,'Tiger'),(12,'Panda');

Query OK, 10 rows affected (0.11 sec)

Records: 10 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 (0.23 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 (0.02 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 `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 (0.08 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 (0.02 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 (0.09 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 (0.02 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 (0.00 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 (0.02 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 `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 (0.11 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 (0.02 sec)

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

Query OK, 0 rows affected (0.00 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 (0.00 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 (0.14 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 `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 (0.01 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 (0.33 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 (0.16 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 (1.22 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 (0.17 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 (0.67 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(1) DEFAULT NULL,

-> `birth` date DEFAULT NULL,

-> `death` date DEFAULT NULL

-> ) ENGINE=InnoDB DEFAULT CHARSET=latin1;

Query OK, 0 rows affected (0.46 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]> /\*!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 (0.02 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 `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 (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 `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 (0.22 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 (0.00 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 (0.06 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 11:22:30

MariaDB [csd2204w18]>

MariaDB [csd2204w18]>

MariaDB [csd2204w18]>

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 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]> 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 (0.00 sec)

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

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

| 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 |

| 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 |

| 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 |

| 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 |

| 174 | Ellen | Abel | 11000.00 |

| 175 | Alyssa | Hutton | 8800.00 |

| 176 | Jonathon | Taylor | 8600.00 |

| 177 | Jack | Livingston | 8400.00 |

| 201 | Michael | Hartstein | 13000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 205 | Shelley | Higgins | 12000.00 |

| 206 | William | Gietz | 8300.00 |

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

50 rows in set (0.00 sec)

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

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

| avg(salary) |

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

| 6461.682243 |

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

1 row in set (0.00 sec)

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

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

| 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 |

| 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 |

| 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 |

| 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 |

| 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 |

| 201 | Michael | Hartstein | 13000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 205 | Shelley | Higgins | 12000.00 |

| 206 | William | Gietz | 8300.00 |

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

51 rows in set (0.00 sec)

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

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

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

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

| 100 | Steven | King | 24000.00 |

| 103 | Alexander | Hunold | 9000.00 |

| 104 | Bruce | Ernst | 6000.00 |

| 108 | Nancy | Greenberg | 12000.00 |

| 109 | Daniel | Faviet | 9000.00 |

| 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 |

| 156 | Janette | King | 10000.00 |

| 157 | Patrick | Sully | 9500.00 |

| 158 | Allan | McEwen | 9000.00 |

| 162 | Clara | Vishney | 10500.00 |

| 163 | Danielle | Greene | 9500.00 |

| 168 | Lisa | Ozer | 11500.00 |

| 169 | Harrison | Bloom | 10000.00 |

| 170 | Tayler | Fox | 9600.00 |

| 174 | Ellen | Abel | 11000.00 |

| 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 |

| 201 | Michael | Hartstein | 13000.00 |

| 205 | Shelley | Higgins | 12000.00 |

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

38 rows in set (0.00 sec)

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

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

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

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

| 100 | Steven | King | 24000.00 |

| 103 | Alexander | Hunold | 9000.00 |

| 104 | Bruce | Ernst | 6000.00 |

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 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 |

| 114 | Den | Raphaely | 11000.00 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 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 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 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 |

| 174 | Ellen | Abel | 11000.00 |

| 175 | Alyssa | Hutton | 8800.00 |

| 176 | Jonathon | Taylor | 8600.00 |

| 177 | Jack | Livingston | 8400.00 |

| 179 | Charles | Johnson | 6200.00 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 201 | Michael | Hartstein | 13000.00 |

| 205 | Shelley | Higgins | 12000.00 |

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

94 rows in set (0.00 sec)

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

Empty set (0.00 sec)

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

Empty set (0.00 sec)

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

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

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

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

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 132 | TJ | Olson | 2100.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

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

5 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from employees;

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

107 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from departments;

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

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

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

| 10 | Administration | 200 | 1700 |

| 20 | Marketing | 201 | 1800 |

| 30 | Purchasing | 114 | 1700 |

| 40 | Human Resources | 203 | 2400 |

| 50 | Shipping | 121 | 1500 |

| 60 | IT | 103 | 1400 |

| 70 | Public Relations | 204 | 2700 |

| 80 | Sales | 145 | 2500 |

| 90 | Executive | 100 | 1700 |

| 100 | Finance | 108 | 1700 |

| 110 | Accounting | 205 | 1700 |

| 120 | Treasury | 0 | 1700 |

| 130 | Corporate Tax | 0 | 1700 |

| 140 | Control And Credit | 0 | 1700 |

| 150 | Shareholder Services | 0 | 1700 |

| 160 | Benefits | 0 | 1700 |

| 170 | Manufacturing | 0 | 1700 |

| 180 | Construction | 0 | 1700 |

| 190 | Contracting | 0 | 1700 |

| 200 | Operations | 0 | 1700 |

| 210 | IT Support | 0 | 1700 |

| 220 | NOC | 0 | 1700 |

| 230 | IT Helpdesk | 0 | 1700 |

| 240 | Government Sales | 0 | 1700 |

| 250 | Retail Sales | 0 | 1700 |

| 260 | Recruiting | 0 | 1700 |

| 270 | Payroll | 0 | 1700 |

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

27 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from 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 \* from countries;

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

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

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

| AR | Argentina | 2 |

| AU | Australia | 3 |

| BE | Belgium | 1 |

| BR | Brazil | 2 |

| CA | Canada | 2 |

| CH | Switzerland | 1 |

| CN | China | 3 |

| DE | Germany | 1 |

| DK | Denmark | 1 |

| EG | Egypt | 4 |

| FR | France | 1 |

| HK | HongKong | 3 |

| IL | Israel | 4 |

| IN | India | 3 |

| IT | Italy | 1 |

| JP | Japan | 3 |

| KW | Kuwait | 4 |

| MX | Mexico | 2 |

| NG | Nigeria | 4 |

| NL | Netherlands | 1 |

| SG | Singapore | 3 |

| UK | United Kingdom | 1 |

| US | United States of America | 2 |

| ZM | Zambia | 4 |

| ZW | Zimbabwe | 4 |

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

25 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name,salary from employees as A where salary < (select min(salary) from employees where department\_id in (select department\_id from departmets where location\_id in (select location\_id from locations where country\_id='CA')));

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

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name,salary from employees as A 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 | last\_name | salary |

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

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 124 | Kevin | Mourgos | 5800.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 200 | Jennifer | Whalen | 4400.00 |

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

50 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,last\_name,salary from employees as A where salary < (select min(salary) from employees where department\_id = (select department\_id from departmets where location\_id in (select location\_id from locations where country\_id='CA')));

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

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name,salary from employees as A where salary < (select min(salary) from employees where department\_id = (select department\_id from departments where location\_id in (select location\_id from locations where country\_id='CA')));

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

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

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

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 124 | Kevin | Mourgos | 5800.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 200 | Jennifer | Whalen | 4400.00 |

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

50 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name,salary from employees where 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 'from departments where location\_id in (select location\_id from locations where c' at line 1

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name,salary from employees where department\_id=(select department\_id from departments where location\_id in (select location\_id from locations where country\_id='CA');

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

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name,salary from employees where department\_id=(select department\_id from departments where location\_id in (select location\_id from locations where country\_id='CA'));

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

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

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

| 201 | Michael | Hartstein | 13000.00 |

| 202 | Pat | Fay | 6000.00 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name,salary from employees as A where salary <(min(salary) from employees where A.department=department\_id and department\_id=(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 'from employees where A.department=department\_id and department\_id=(select depart' at line 1

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name,salary from employees as A where salary < (select min(salary) from employees where department\_id = (select department\_id from departments where location\_id in (select location\_id from locations where country\_id='CA')));

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

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

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

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 124 | Kevin | Mourgos | 5800.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 200 | Jennifer | Whalen | 4400.00 |

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

50 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name,salary from employees as A where manager\_id=0 and salary < (select min(salary) from employees where department\_id = (select department\_id from departmets where location\_id in (select location\_id from locations where country\_id='US')));

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

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name,salary from employees as A where manager\_id=0 and salary < (select min(salary) from employees where department\_id = (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 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 (0.02 sec)

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

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

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

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

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

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

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

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

| 104 | Bruce | Ernst | 6000.00 |

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 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 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 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 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 200 | Jennifer | Whalen | 4400.00 |

| 202 | Pat | Fay | 6000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 206 | William | Gietz | 8300.00 |

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

89 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name,salary from employees as b where not exists (select 'x' from employees a where a.manager\_id=b.employee\_id and department\_id in (select department\_id from departments where location\_id in (select location\_id from locations where country\_id='US'));

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

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

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

| 104 | Bruce | Ernst | 6000.00 |

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 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 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 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 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 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 |

| 206 | William | Gietz | 8300.00 |

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

95 rows in set (0.02 sec)

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

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,salary from employees as b 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'));

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

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

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

| 103 | Alexander | Hunold | 9000.00 |

| 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 |

| 100 | Steven | King | 24000.00 |

| 101 | Neena | Kochhar | 17000.00 |

| 102 | Lex | De Haan | 17000.00 |

| 108 | Nancy | Greenberg | 12000.00 |

| 114 | Den | Raphaely | 11000.00 |

| 205 | Shelley | Higgins | 12000.00 |

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

12 rows in set (0.00 sec)

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

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

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

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

| 100 | Steven | King | 24000.00 |

| 101 | Neena | Kochhar | 17000.00 |

| 102 | Lex | De Haan | 17000.00 |

| 108 | Nancy | Greenberg | 12000.00 |

| 145 | John | Russell | 14000.00 |

| 146 | Karen | Partners | 13500.00 |

| 147 | Alberto | Errazuriz | 12000.00 |

| 201 | Michael | Hartstein | 13000.00 |

| 205 | Shelley | Higgins | 12000.00 |

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

9 rows in set (0.00 sec)

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

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

| 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 |

| 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 |

| 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 |

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

67 rows in set (0.02 sec)

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

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

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

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

| 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 |

| 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 |

| 202 | Pat | Fay |

| 203 | Susan | Mavris |

| 204 | Hermann | Baer |

| 206 | William | Gietz |

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

89 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name from employees b where not exists (select \* from employees a where a.manager\_id=b.employee\_id and 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 b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where salary( not exists (select \* from employees a where a.manager\_id=b.employee\_id and department\_id in (select department\_id from departments where location\_id in (select location\_id from locations where country\_id='US'))));

ERROR 1305 (42000): FUNCTION csd2204w18.salary does not exist

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

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 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 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 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 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 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 |

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

107 rows in set (0.00 sec)

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

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

| 104 | Bruce | Ernst | 6000.00 |

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 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 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 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 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 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 |

| 206 | William | Gietz | 8300.00 |

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

95 rows in set (0.00 sec)

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

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

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

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

| 104 | Bruce | Ernst | 6000.00 |

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 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 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 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 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 200 | Jennifer | Whalen | 4400.00 |

| 202 | Pat | Fay | 6000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 206 | William | Gietz | 8300.00 |

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

89 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where not exists (select \* from employees a where a.manager\_id=b.employee\_id and employee\_id in ( select department\_id in (select department\_id from departments where location\_id in (select location\_id from locations where country\_id='US'))));

ERROR 1235 (42000): This version of MariaDB doesn't yet support 'SUBQUERY in ROW in left expression of IN/ALL/ANY'

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where not exists (select \* from employees a where a.manager\_id=b.employee\_id and b.employee\_id(select department\_id in (select department\_id from departments where location\_id in (select location\_id from locations where country\_id='US'))));

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

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where not exists (select \* from employees a where a.manager\_id=b.employee\_id and b.employee\_id any (select 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 'any (select department\_id in (select department\_id from departments where locati' at line 1

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

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

| 104 | Bruce | Ernst | 6000.00 |

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 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 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 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 |

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| 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 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 200 | Jennifer | Whalen | 4400.00 |

| 202 | Pat | Fay | 6000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 206 | William | Gietz | 8300.00 |

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

89 rows in set (0.00 sec)

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

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

| 104 | Bruce | Ernst | 6000.00 |

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 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 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 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 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 200 | Jennifer | Whalen | 4400.00 |

| 202 | Pat | Fay | 6000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 206 | William | Gietz | 8300.00 |

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

89 rows in set (0.00 sec)

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

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

| 104 | Bruce | Ernst | 6000.00 |

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 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 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 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 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 200 | Jennifer | Whalen | 4400.00 |

| 202 | Pat | Fay | 6000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 206 | William | Gietz | 8300.00 |

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

89 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name,salary from employees as b where salary > (select salary from employees not exists (select 'x' from employees a where a.manager\_id=b.employee\_id 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 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 'not exists (select 'x' from employees a where a.manager\_id=b.employee\_id and dep' at line 1

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name,salary from employees as b where salary >any (select salary from employees not exists (select 'x' from employees a where a.manager\_id=b.employee\_id 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 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 'not exists (select 'x' from employees a where a.manager\_id=b.employee\_id and dep' at line 1

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name,salary from employees as b 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);

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

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name,salary from employees as b 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);

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,salary from employees as b 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);

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

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| 104 | Bruce | Ernst | 6000.00 |

| 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 |

| 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 |

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| 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 |

| 202 | Pat | Fay | 6000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 206 | William | Gietz | 8300.00 |

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

40 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,first\_name,last\_name,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 | first\_name | last\_name | salary |

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| 104 | Bruce | Ernst | 6000.00 |

| 109 | Daniel | Faviet | 9000.00 |

| 110 | John | Chen | 8200.00 |

| 111 | Ismael | Sciarra | 7700.00 |

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| 113 | Luis | Popp | 6900.00 |

| 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 |

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| 156 | Janette | King | 10000.00 |

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| 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 |

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| 165 | David | Lee | 6800.00 |

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| 169 | Harrison | Bloom | 10000.00 |

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

40 rows in set (0.00 sec)

MariaDB [csd2204w18]>