Setting environment for using XAMPP for Windows.

730444@128-IMAC03 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 3

Server version: 10.1.21-MariaDB mariadb.org binary distribution

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

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

MariaDB [(none)]> show databases;

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

| Database |

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

| csd2204w18 |

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| test |

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

6 rows in set (0.00 sec)

MariaDB [(none)]> use csd2204w18;

Database changed

MariaDB [csd2204w18]>

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

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

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

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

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

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

-> ) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected (0.20 sec)

MariaDB [csd2204w18]>

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

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

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

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

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

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

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

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

-> ) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected, 1 warning (0.00 sec)

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

-> ('10', 'Administration', '200', '1700'),

-> ('20', 'Marketing', '201', '1800'),

-> ('30', 'Purchasing', '114', '1700'),

-> ('40', 'Human Resources', '203', '2400'),

-> ('50', 'Shipping', '121', '1500'),

-> ('60', 'IT', '103', '1400'),

-> ('70', 'Public Relations', '204', '2700'),

-> ('80', 'Sales', '145', '2500'),

-> ('90', 'Executive', '100', '1700'),

-> ('100', 'Finance', '108', '1700'),

-> ('110', 'Accounting', '205', '1700'),

-> ('120', 'Treasury', '0', '1700'),

-> ('130', 'Corporate Tax', '0', '1700'),

-> ('140', 'Control And Credit', '0', '1700'),

-> ('150', 'Shareholder Services', '0', '1700'),

-> ('160', 'Benefits', '0', '1700'),

-> ('170', 'Manufacturing', '0', '1700'),

-> ('180', 'Construction', '0', '1700'),

-> ('190', 'Contracting', '0', '1700'),

-> ('200', 'Operations', '0', '1700'),

-> ('210', 'IT Support', '0', '1700'),

-> ('220', 'NOC', '0', '1700'),

-> ('230', 'IT Helpdesk', '0', '1700'),

-> ('240', 'Government Sales', '0', '1700'),

-> ('250', 'Retail Sales', '0', '1700'),

-> ('260', 'Recruiting', '0', '1700'),

-> ('270', 'Payroll', '0', '1700');

Query OK, 27 rows affected (0.00 sec)

Records: 27 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]>

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

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

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

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

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

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

-> ) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected, 1 warning (0.00 sec)

MariaDB [csd2204w18]>

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

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

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

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

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

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

-> ) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected, 1 warning (0.00 sec)

MariaDB [csd2204w18]>

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

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

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

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

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

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

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

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

-> ) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected, 1 warning (0.00 sec)

MariaDB [csd2204w18]>

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

-> ('10', 'Administration', '200', '1700'),

-> ('20', 'Marketing', '201', '1800'),

-> ('30', 'Purchasing', '114', '1700'),

-> ('40', 'Human Resources', '203', '2400'),

-> ('50', 'Shipping', '121', '1500'),

-> ('60', 'IT', '103', '1400'),

-> ('70', 'Public Relations', '204', '2700'),

-> ('80', 'Sales', '145', '2500'),

-> ('90', 'Executive', '100', '1700'),

-> ('100', 'Finance', '108', '1700'),

-> ('110', 'Accounting', '205', '1700'),

-> ('120', 'Treasury', '0', '1700'),

-> ('130', 'Corporate Tax', '0', '1700'),

-> ('140', 'Control And Credit', '0', '1700'),

-> ('150', 'Shareholder Services', '0', '1700'),

-> ('160', 'Benefits', '0', '1700'),

-> ('170', 'Manufacturing', '0', '1700'),

-> ('180', 'Construction', '0', '1700'),

-> ('190', 'Contracting', '0', '1700'),

-> ('200', 'Operations', '0', '1700'),

-> ('210', 'IT Support', '0', '1700'),

-> ('220', 'NOC', '0', '1700'),

-> ('230', 'IT Helpdesk', '0', '1700'),

-> ('240', 'Government Sales', '0', '1700'),

-> ('250', 'Retail Sales', '0', '1700'),

-> ('260', 'Recruiting', '0', '1700'),

-> ('270', 'Payroll', '0', '1700');

ERROR 1062 (23000): Duplicate entry '10' for key 'PRIMARY'

MariaDB [csd2204w18]>

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

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

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

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

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

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

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

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

-> ) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected, 1 warning (0.00 sec)

MariaDB [csd2204w18]>

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

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

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

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

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

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

-> `HIRE\_DATE` date NOT NULL,

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

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

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

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

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

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

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

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

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

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

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

-> ) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected, 1 warning (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]>

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

-> ('100', 'Steven', 'King', 'SKING', '515.123.4567', '1987-06-17', 'AD\_PRES', '24000.00', '0.00', '0', '90'),

-> ('101', 'Neena', 'Kochhar', 'NKOCHHAR', '515.123.4568', '1987-06-18', 'AD\_VP', '17000.00', '0.00', '100', '90'),

-> ('102', 'Lex', 'De Haan', 'LDEHAAN', '515.123.4569', '1987-06-19', 'AD\_VP', '17000.00', '0.00', '100', '90'),

-> ('103', 'Alexander', 'Hunold', 'AHUNOLD', '590.423.4567', '1987-06-20', 'IT\_PROG', '9000.00', '0.00', '102', '60'),

-> ('104', 'Bruce', 'Ernst', 'BERNST', '590.423.4568', '1987-06-21', 'IT\_PROG', '6000.00', '0.00', '103', '60'),

-> ('105', 'David', 'Austin', 'DAUSTIN', '590.423.4569', '1987-06-22', 'IT\_PROG', '4800.00', '0.00', '103', '60'),

-> ('106', 'Valli', 'Pataballa', 'VPATABAL', '590.423.4560', '1987-06-23', 'IT\_PROG', '4800.00', '0.00', '103', '60'),

-> ('107', 'Diana', 'Lorentz', 'DLORENTZ', '590.423.5567', '1987-06-24', 'IT\_PROG', '4200.00', '0.00', '103', '60'),

-> ('108', 'Nancy', 'Greenberg', 'NGREENBE', '515.124.4569', '1987-06-25', 'FI\_MGR', '12000.00', '0.00', '101', '100'),

-> ('109', 'Daniel', 'Faviet', 'DFAVIET', '515.124.4169', '1987-06-26', 'FI\_ACCOUNT', '9000.00', '0.00', '108', '100'),

-> ('110', 'John', 'Chen', 'JCHEN', '515.124.4269', '1987-06-27', 'FI\_ACCOUNT', '8200.00', '0.00', '108', '100'),

-> ('111', 'Ismael', 'Sciarra', 'ISCIARRA', '515.124.4369', '1987-06-28', 'FI\_ACCOUNT', '7700.00', '0.00', '108', '100'),

-> ('112', 'Jose Manuel', 'Urman', 'JMURMAN', '515.124.4469', '1987-06-29', 'FI\_ACCOUNT', '7800.00', '0.00', '108', '100'),

-> ('113', 'Luis', 'Popp', 'LPOPP', '515.124.4567', '1987-06-30', 'FI\_ACCOUNT', '6900.00', '0.00', '108', '100'),

-> ('114', 'Den', 'Raphaely', 'DRAPHEAL', '515.127.4561', '1987-07-01', 'PU\_MAN', '11000.00', '0.00', '100', '30'),

-> ('115', 'Alexander', 'Khoo', 'AKHOO', '515.127.4562', '1987-07-02', 'PU\_CLERK', '3100.00', '0.00', '114', '30'),

-> ('116', 'Shelli', 'Baida', 'SBAIDA', '515.127.4563', '1987-07-03', 'PU\_CLERK', '2900.00', '0.00', '114', '30'),

-> ('117', 'Sigal', 'Tobias', 'STOBIAS', '515.127.4564', '1987-07-04', 'PU\_CLERK', '2800.00', '0.00', '114', '30'),

-> ('118', 'Guy', 'Himuro', 'GHIMURO', '515.127.4565', '1987-07-05', 'PU\_CLERK', '2600.00', '0.00', '114', '30'),

-> ('119', 'Karen', 'Colmenares', 'KCOLMENA', '515.127.4566', '1987-07-06', 'PU\_CLERK', '2500.00', '0.00', '114', '30'),

-> ('120', 'Matthew', 'Weiss', 'MWEISS', '650.123.1234', '1987-07-07', 'ST\_MAN', '8000.00', '0.00', '100', '50'),

-> ('121', 'Adam', 'Fripp', 'AFRIPP', '650.123.2234', '1987-07-08', 'ST\_MAN', '8200.00', '0.00', '100', '50'),

-> ('122', 'Payam', 'Kaufling', 'PKAUFLIN', '650.123.3234', '1987-07-09', 'ST\_MAN', '7900.00', '0.00', '100', '50'),

-> ('123', 'Shanta', 'Vollman', 'SVOLLMAN', '650.123.4234', '1987-07-10', 'ST\_MAN', '6500.00', '0.00', '100', '50'),

-> ('124', 'Kevin', 'Mourgos', 'KMOURGOS', '650.123.5234', '1987-07-11', 'ST\_MAN', '5800.00', '0.00', '100', '50'),

-> ('125', 'Julia', 'Nayer', 'JNAYER', '650.124.1214', '1987-07-12', 'ST\_CLERK', '3200.00', '0.00', '120', '50'),

-> ('126', 'Irene', 'Mikkilineni', 'IMIKKILI', '650.124.1224', '1987-07-13', 'ST\_CLERK', '2700.00', '0.00', '120', '50'),

-> ('127', 'James', 'Landry', 'JLANDRY', '650.124.1334', '1987-07-14', 'ST\_CLERK', '2400.00', '0.00', '120', '50'),

-> ('128', 'Steven', 'Markle', 'SMARKLE', '650.124.1434', '1987-07-15', 'ST\_CLERK', '2200.00', '0.00', '120', '50'),

-> ('129', 'Laura', 'Bissot', 'LBISSOT', '650.124.5234', '1987-07-16', 'ST\_CLERK', '3300.00', '0.00', '121', '50'),

-> ('130', 'Mozhe', 'Atkinson', 'MATKINSO', '650.124.6234', '1987-07-17', 'ST\_CLERK', '2800.00', '0.00', '121', '50'),

-> ('131', 'James', 'Marlow', 'JAMRLOW', '650.124.7234', '1987-07-18', 'ST\_CLERK', '2500.00', '0.00', '121', '50'),

-> ('132', 'TJ', 'Olson', 'TJOLSON', '650.124.8234', '1987-07-19', 'ST\_CLERK', '2100.00', '0.00', '121', '50'),

-> ('133', 'Jason', 'Mallin', 'JMALLIN', '650.127.1934', '1987-07-20', 'ST\_CLERK', '3300.00', '0.00', '122', '50'),

-> ('134', 'Michael', 'Rogers', 'MROGERS', '650.127.1834', '1987-07-21', 'ST\_CLERK', '2900.00', '0.00', '122', '50'),

-> ('135', 'Ki', 'Gee', 'KGEE', '650.127.1734', '1987-07-22', 'ST\_CLERK', '2400.00', '0.00', '122', '50'),

-> ('136', 'Hazel', 'Philtanker', 'HPHILTAN', '650.127.1634', '1987-07-23', 'ST\_CLERK', '2200.00', '0.00', '122', '50'),

-> ('137', 'Renske', 'Ladwig', 'RLADWIG', '650.121.1234', '1987-07-24', 'ST\_CLERK', '3600.00', '0.00', '123', '50'),

-> ('138', 'Stephen', 'Stiles', 'SSTILES', '650.121.2034', '1987-07-25', 'ST\_CLERK', '3200.00', '0.00', '123', '50'),

-> ('139', 'John', 'Seo', 'JSEO', '650.121.2019', '1987-07-26', 'ST\_CLERK', '2700.00', '0.00', '123', '50'),

-> ('140', 'Joshua', 'Patel', 'JPATEL', '650.121.1834', '1987-07-27', 'ST\_CLERK', '2500.00', '0.00', '123', '50'),

-> ('141', 'Trenna', 'Rajs', 'TRAJS', '650.121.8009', '1987-07-28', 'ST\_CLERK', '3500.00', '0.00', '124', '50'),

-> ('142', 'Curtis', 'Davies', 'CDAVIES', '650.121.2994', '1987-07-29', 'ST\_CLERK', '3100.00', '0.00', '124', '50'),

-> ('143', 'Randall', 'Matos', 'RMATOS', '650.121.2874', '1987-07-30', 'ST\_CLERK', '2600.00', '0.00', '124', '50'),

-> ('144', 'Peter', 'Vargas', 'PVARGAS', '650.121.2004', '1987-07-31', 'ST\_CLERK', '2500.00', '0.00', '124', '50'),

-> ('145', 'John', 'Russell', 'JRUSSEL', '011.44.1344.429268', '1987-08-01', 'SA\_MAN', '14000.00', '0.40', '100', '80'),

-> ('146', 'Karen', 'Partners', 'KPARTNER', '011.44.1344.467268', '1987-08-02', 'SA\_MAN', '13500.00', '0.30', '100', '80'),

-> ('147', 'Alberto', 'Errazuriz', 'AERRAZUR', '011.44.1344.429278', '1987-08-03', 'SA\_MAN', '12000.00', '0.30', '100', '80'),

-> ('148', 'Gerald', 'Cambrault', 'GCAMBRAU', '011.44.1344.619268', '1987-08-04', 'SA\_MAN', '11000.00', '0.30', '100', '80'),

-> ('149', 'Eleni', 'Zlotkey', 'EZLOTKEY', '011.44.1344.429018', '1987-08-05', 'SA\_MAN', '10500.00', '0.20', '100', '80'),

-> ('150', 'Peter', 'Tucker', 'PTUCKER', '011.44.1344.129268', '1987-08-06', 'SA\_REP', '10000.00', '0.30', '145', '80'),

-> ('151', 'David', 'Bernstein', 'DBERNSTE', '011.44.1344.345268', '1987-08-07', 'SA\_REP', '9500.00', '0.25', '145', '80'),

-> ('152', 'Peter', 'Hall', 'PHALL', '011.44.1344.478968', '1987-08-08', 'SA\_REP', '9000.00', '0.25', '145', '80'),

-> ('153', 'Christopher', 'Olsen', 'COLSEN', '011.44.1344.498718', '1987-08-09', 'SA\_REP', '8000.00', '0.20', '145', '80'),

-> ('154', 'Nanette', 'Cambrault', 'NCAMBRAU', '011.44.1344.987668', '1987-08-10', 'SA\_REP', '7500.00', '0.20', '145', '80'),

-> ('155', 'Oliver', 'Tuvault', 'OTUVAULT', '011.44.1344.486508', '1987-08-11', 'SA\_REP', '7000.00', '0.15', '145', '80'),

-> ('156', 'Janette', 'King', 'JKING', '011.44.1345.429268', '1987-08-12', 'SA\_REP', '10000.00', '0.35', '146', '80'),

-> ('157', 'Patrick', 'Sully', 'PSULLY', '011.44.1345.929268', '1987-08-13', 'SA\_REP', '9500.00', '0.35', '146', '80'),

-> ('158', 'Allan', 'McEwen', 'AMCEWEN', '011.44.1345.829268', '1987-08-14', 'SA\_REP', '9000.00', '0.35', '146', '80'),

-> ('159', 'Lindsey', 'Smith', 'LSMITH', '011.44.1345.729268', '1987-08-15', 'SA\_REP', '8000.00', '0.30', '146', '80'),

-> ('160', 'Louise', 'Doran', 'LDORAN', '011.44.1345.629268', '1987-08-16', 'SA\_REP', '7500.00', '0.30', '146', '80'),

-> ('161', 'Sarath', 'Sewall', 'SSEWALL', '011.44.1345.529268', '1987-08-17', 'SA\_REP', '7000.00', '0.25', '146', '80'),

-> ('162', 'Clara', 'Vishney', 'CVISHNEY', '011.44.1346.129268', '1987-08-18', 'SA\_REP', '10500.00', '0.25', '147', '80'),

-> ('163', 'Danielle', 'Greene', 'DGREENE', '011.44.1346.229268', '1987-08-19', 'SA\_REP', '9500.00', '0.15', '147', '80'),

-> ('164', 'Mattea', 'Marvins', 'MMARVINS', '011.44.1346.329268', '1987-08-20', 'SA\_REP', '7200.00', '0.10', '147', '80'),

-> ('165', 'David', 'Lee', 'DLEE', '011.44.1346.529268', '1987-08-21', 'SA\_REP', '6800.00', '0.10', '147', '80'),

-> ('166', 'Sundar', 'Ande', 'SANDE', '011.44.1346.629268', '1987-08-22', 'SA\_REP', '6400.00', '0.10', '147', '80'),

-> ('167', 'Amit', 'Banda', 'ABANDA', '011.44.1346.729268', '1987-08-23', 'SA\_REP', '6200.00', '0.10', '147', '80'),

-> ('168', 'Lisa', 'Ozer', 'LOZER', '011.44.1343.929268', '1987-08-24', 'SA\_REP', '11500.00', '0.25', '148', '80'),

-> ('169', 'Harrison', 'Bloom', 'HBLOOM', '011.44.1343.829268', '1987-08-25', 'SA\_REP', '10000.00', '0.20', '148', '80'),

-> ('170', 'Tayler', 'Fox', 'TFOX', '011.44.1343.729268', '1987-08-26', 'SA\_REP', '9600.00', '0.20', '148', '80'),

-> ('171', 'William', 'Smith', 'WSMITH', '011.44.1343.629268', '1987-08-27', 'SA\_REP', '7400.00', '0.15', '148', '80'),

-> ('172', 'Elizabeth', 'Bates', 'EBATES', '011.44.1343.529268', '1987-08-28', 'SA\_REP', '7300.00', '0.15', '148', '80'),

-> ('173', 'Sundita', 'Kumar', 'SKUMAR', '011.44.1343.329268', '1987-08-29', 'SA\_REP', '6100.00', '0.10', '148', '80'),

-> ('174', 'Ellen', 'Abel', 'EABEL', '011.44.1644.429267', '1987-08-30', 'SA\_REP', '11000.00', '0.30', '149', '80'),

-> ('175', 'Alyssa', 'Hutton', 'AHUTTON', '011.44.1644.429266', '1987-08-31', 'SA\_REP', '8800.00', '0.25', '149', '80'),

-> ('176', 'Jonathon', 'Taylor', 'JTAYLOR', '011.44.1644.429265', '1987-09-01', 'SA\_REP', '8600.00', '0.20', '149', '80'),

-> ('177', 'Jack', 'Livingston', 'JLIVINGS', '011.44.1644.429264', '1987-09-02', 'SA\_REP', '8400.00', '0.20', '149', '80'),

-> ('178', 'Kimberely', 'Grant', 'KGRANT', '011.44.1644.429263', '1987-09-03', 'SA\_REP', '7000.00', '0.15', '149', '0'),

-> ('179', 'Charles', 'Johnson', 'CJOHNSON', '011.44.1644.429262', '1987-09-04', 'SA\_REP', '6200.00', '0.10', '149', '80'),

-> ('180', 'Winston', 'Taylor', 'WTAYLOR', '650.507.9876', '1987-09-05', 'SH\_CLERK', '3200.00', '0.00', '120', '50'),

-> ('181', 'Jean', 'Fleaur', 'JFLEAUR', '650.507.9877', '1987-09-06', 'SH\_CLERK', '3100.00', '0.00', '120', '50'),

-> ('182', 'Martha', 'Sullivan', 'MSULLIVA', '650.507.9878', '1987-09-07', 'SH\_CLERK', '2500.00', '0.00', '120', '50'),

-> ('183', 'Girard', 'Geoni', 'GGEONI', '650.507.9879', '1987-09-08', 'SH\_CLERK', '2800.00', '0.00', '120', '50'),

-> ('184', 'Nandita', 'Sarchand', 'NSARCHAN', '650.509.1876', '1987-09-09', 'SH\_CLERK', '4200.00', '0.00', '121', '50'),

-> ('185', 'Alexis', 'Bull', 'ABULL', '650.509.2876', '1987-09-10', 'SH\_CLERK', '4100.00', '0.00', '121', '50'),

-> ('186', 'Julia', 'Dellinger', 'JDELLING', '650.509.3876', '1987-09-11', 'SH\_CLERK', '3400.00', '0.00', '121', '50'),

-> ('187', 'Anthony', 'Cabrio', 'ACABRIO', '650.509.4876', '1987-09-12', 'SH\_CLERK', '3000.00', '0.00', '121', '50'),

-> ('188', 'Kelly', 'Chung', 'KCHUNG', '650.505.1876', '1987-09-13', 'SH\_CLERK', '3800.00', '0.00', '122', '50'),

-> ('189', 'Jennifer', 'Dilly', 'JDILLY', '650.505.2876', '1987-09-14', 'SH\_CLERK', '3600.00', '0.00', '122', '50'),

-> ('190', 'Timothy', 'Gates', 'TGATES', '650.505.3876', '1987-09-15', 'SH\_CLERK', '2900.00', '0.00', '122', '50'),

-> ('191', 'Randall', 'Perkins', 'RPERKINS', '650.505.4876', '1987-09-16', 'SH\_CLERK', '2500.00', '0.00', '122', '50'),

-> ('192', 'Sarah', 'Bell', 'SBELL', '650.501.1876', '1987-09-17', 'SH\_CLERK', '4000.00', '0.00', '123', '50'),

-> ('193', 'Britney', 'Everett', 'BEVERETT', '650.501.2876', '1987-09-18', 'SH\_CLERK', '3900.00', '0.00', '123', '50'),

-> ('194', 'Samuel', 'McCain', 'SMCCAIN', '650.501.3876', '1987-09-19', 'SH\_CLERK', '3200.00', '0.00', '123', '50'),

-> ('195', 'Vance', 'Jones', 'VJONES', '650.501.4876', '1987-09-20', 'SH\_CLERK', '2800.00', '0.00', '123', '50'),

-> ('196', 'Alana', 'Walsh', 'AWALSH', '650.507.9811', '1987-09-21', 'SH\_CLERK', '3100.00', '0.00', '124', '50'),

-> ('197', 'Kevin', 'Feeney', 'KFEENEY', '650.507.9822', '1987-09-22', 'SH\_CLERK', '3000.00', '0.00', '124', '50'),

-> ('198', 'Donald', 'OConnell', 'DOCONNEL', '650.507.9833', '1987-09-23', 'SH\_CLERK', '2600.00', '0.00', '124', '50'),

-> ('199', 'Douglas', 'Grant', 'DGRANT', '650.507.9844', '1987-09-24', 'SH\_CLERK', '2600.00', '0.00', '124', '50'),

-> ('200', 'Jennifer', 'Whalen', 'JWHALEN', '515.123.4444', '1987-09-25', 'AD\_ASST', '4400.00', '0.00', '101', '10'),

-> ('201', 'Michael', 'Hartstein', 'MHARTSTE', '515.123.5555', '1987-09-26', 'MK\_MAN', '13000.00', '0.00', '100', '20'),

-> ('202', 'Pat', 'Fay', 'PFAY', '603.123.6666', '1987-09-27', 'MK\_REP', '6000.00', '0.00', '201', '20'),

-> ('203', 'Susan', 'Mavris', 'SMAVRIS', '515.123.7777', '1987-09-28', 'HR\_REP', '6500.00', '0.00', '101', '40'),

-> ('204', 'Hermann', 'Baer', 'HBAER', '515.123.8888', '1987-09-29', 'PR\_REP', '10000.00', '0.00', '101', '70'),

-> ('205', 'Shelley', 'Higgins', 'SHIGGINS', '515.123.8080', '1987-09-30', 'AC\_MGR', '12000.00', '0.00', '101', '110'),

-> ('206', 'William', 'Gietz', 'WGIETZ', '515.123.8181', '1987-10-01', 'AC\_ACCOUNT', '8300.00', '0.00', '205', '110');

Query OK, 107 rows affected (0.00 sec)

Records: 107 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> slect employee\_id,first\_

-> name';

'> ';

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 'slect employee\_id,first\_

name';

'' at line 1

MariaDB [csd2204w18]> select \* from departments where department\_id = 100;

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

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

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

| 100 | Finance | 108 | 1700 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> show tables;

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

| Tables\_in\_csd2204w18 |

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

| countries |

| departments |

| employees |

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

3 rows in set (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]>

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

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

-> `START\_DATE` date NOT NULL,

-> `END\_DATE` date NOT NULL,

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

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

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

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

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

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

-> ) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected (0.45 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]>

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

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

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

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

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

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

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

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

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

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

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

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

Query OK, 11 rows affected (0.02 sec)

Records: 11 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> show tables;

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

| Tables\_in\_csd2204w18 |

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

| countries |

| departments |

| employees |

| job\_history |

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

4 rows in set (0.00 sec)

MariaDB [csd2204w18]>

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

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

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

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

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

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

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

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

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

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

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

-> ) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected (0.38 sec)

MariaDB [csd2204w18]>

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

-> ('1000', '1297 Via Cola di Rie', '989', 'Roma', '', 'IT'),

-> ('1100', '93091 Calle della Testa', '10934', 'Venice', '', 'IT'),

-> ('1200', '2017 Shinjuku-ku', '1689', 'Tokyo', 'Tokyo Prefecture', 'JP'),

-> ('1300', '9450 Kamiya-cho', '6823', 'Hiroshima', '', 'JP'),

-> ('1400', '2014 Jabberwocky Rd', '26192', 'Southlake', 'Texas', 'US'),

-> ('1500', '2011 Interiors Blvd', '99236', 'South San Francisco', 'California', 'US'),

-> ('1600', '2007 Zagora St', '50090', 'South Brunswick', 'New Jersey', 'US'),

-> ('1700', '2004 Charade Rd', '98199', 'Seattle', 'Washington', 'US'),

-> ('1800', '147 Spadina Ave', 'M5V 2L7', 'Toronto', 'Ontario', 'CA'),

-> ('1900', '6092 Boxwood St', 'YSW 9T2', 'Whitehorse', 'Yukon', 'CA'),

-> ('2000', '40-5-12 Laogianggen', '190518', 'Beijing', '', 'CN'),

-> ('2100', '1298 Vileparle (E)', '490231', 'Bombay', 'Maharashtra', 'IN'),

-> ('2200', '12-98 Victoria Street', '2901', 'Sydney', 'New South Wales', 'AU'),

-> ('2300', '198 Clementi North', '540198', 'Singapore', '', 'SG'),

-> ('2400', '8204 Arthur St', '', 'London', '', 'UK'),

-> ('2500', '"Magdalen Centre', ' The Oxford ', 'OX9 9ZB', 'Oxford', 'Ox'),

-> ('2600', '9702 Chester Road', '9629850293', 'Stretford', 'Manchester', 'UK'),

-> ('2700', 'Schwanthalerstr. 7031', '80925', 'Munich', 'Bavaria', 'DE'),

-> ('2800', 'Rua Frei Caneca 1360', '01307-002', 'Sao Paulo', 'Sao Paulo', 'BR'),

-> ('2900', '20 Rue des Corps-Saints', '1730', 'Geneva', 'Geneve', 'CH'),

-> ('3000', 'Murtenstrasse 921', '3095', 'Bern', 'BE', 'CH'),

-> ('3100', 'Pieter Breughelstraat 837', '3029SK', 'Utrecht', 'Utrecht', 'NL'),

-> ('3200', 'Mariano Escobedo 9991', '11932', 'Mexico City', '"Distrito Federal', '"');

Query OK, 23 rows affected (0.00 sec)

Records: 23 Duplicates: 0 Warnings: 0

MariaDB [csd2204w18]> show tables;

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

| Tables\_in\_csd2204w18 |

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

| countries |

| departments |

| employees |

| job\_history |

| locations |

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

5 rows in set (0.00 sec)

MariaDB [csd2204w18]> desc location;

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

MariaDB [csd2204w18]>

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

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

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

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

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

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

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

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

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

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

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

-> ) ENGINE=MyISAM DEFAULT CHARSET=latin1;

Query OK, 0 rows affected, 1 warning (0.00 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> --

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

-> ('1000', '1297 Via Cola di Rie', '989', 'Roma', '', 'IT'),

-> ('1100', '93091 Calle della Testa', '10934', 'Venice', '', 'IT'),

-> ('1200', '2017 Shinjuku-ku', '1689', 'Tokyo', 'Tokyo Prefecture', 'JP'),

-> ('1300', '9450 Kamiya-cho', '6823', 'Hiroshima', '', 'JP'),

-> ('1400', '2014 Jabberwocky Rd', '26192', 'Southlake', 'Texas', 'US'),

-> ('1500', '2011 Interiors Blvd', '99236', 'South San Francisco', 'California', 'US'),

-> ('1600', '2007 Zagora St', '50090', 'South Brunswick', 'New Jersey', 'US'),

-> ('1700', '2004 Charade Rd', '98199', 'Seattle', 'Washington', 'US'),

-> ('1800', '147 Spadina Ave', 'M5V 2L7', 'Toronto', 'Ontario', 'CA'),

-> ('1900', '6092 Boxwood St', 'YSW 9T2', 'Whitehorse', 'Yukon', 'CA'),

-> ('2000', '40-5-12 Laogianggen', '190518', 'Beijing', '', 'CN'),

-> ('2100', '1298 Vileparle (E)', '490231', 'Bombay', 'Maharashtra', 'IN'),

-> ('2200', '12-98 Victoria Street', '2901', 'Sydney', 'New South Wales', 'AU'),

-> ('2300', '198 Clementi North', '540198', 'Singapore', '', 'SG'),

-> ('2400', '8204 Arthur St', '', 'London', '', 'UK'),

-> ('2500', '"Magdalen Centre', ' The Oxford ', 'OX9 9ZB', 'Oxford', 'Ox'),

-> ('2600', '9702 Chester Road', '9629850293', 'Stretford', 'Manchester', 'UK'),

-> ('2700', 'Schwanthalerstr. 7031', '80925', 'Munich', 'Bavaria', 'DE'),

-> ('2800', 'Rua Frei Caneca 1360', '01307-002', 'Sao Paulo', 'Sao Paulo', 'BR'),

-> ('2900', '20 Rue des Corps-Saints', '1730', 'Geneva', 'Geneve', 'CH'),

-> ('3000', 'Murtenstrasse 921', '3095', 'Bern', 'BE', 'CH'),

-> ('3100', 'Pieter Breughelstraat 837', '3029SK', 'Utrecht', 'Utrecht', 'NL'),

-> ('3200', 'Mariano Escobedo 9991', '11932', 'Mexico City', '"Distrito Federal', '"');

ERROR 1062 (23000): Duplicate entry '1000' for key 'PRIMARY'

MariaDB [csd2204w18]>

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

-> ('1000', '1297 Via Cola di Rie', '989', 'Roma', '', 'IT'),

-> ('1100', '93091 Calle della Testa', '10934', 'Venice', '', 'IT'),

-> ('1200', '2017 Shinjuku-ku', '1689', 'Tokyo', 'Tokyo Prefecture', 'JP'),

-> ('1300', '9450 Kamiya-cho', '6823', 'Hiroshima', '', 'JP'),

-> ('1400', '2014 Jabberwocky Rd', '26192', 'Southlake', 'Texas', 'US'),

-> ('1500', '2011 Interiors Blvd', '99236', 'South San Francisco', 'California', 'US'),

-> ('1600', '2007 Zagora St', '50090', 'South Brunswick', 'New Jersey', 'US'),

-> ('1700', '2004 Charade Rd', '98199', 'Seattle', 'Washington', 'US'),

-> ('1800', '147 Spadina Ave', 'M5V 2L7', 'Toronto', 'Ontario', 'CA'),

-> ('1900', '6092 Boxwood St', 'YSW 9T2', 'Whitehorse', 'Yukon', 'CA'),

-> ('2000', '40-5-12 Laogianggen', '190518', 'Beijing', '', 'CN'),

-> ('2100', '1298 Vileparle (E)', '490231', 'Bombay', 'Maharashtra', 'IN'),

-> ('2200', '12-98 Victoria Street', '2901', 'Sydney', 'New South Wales', 'AU'),

-> ('2300', '198 Clementi North', '540198', 'Singapore', '', 'SG'),

-> ('2400', '8204 Arthur St', '', 'London', '', 'UK'),

-> ('2500', '"Magdalen Centre', ' The Oxford ', 'OX9 9ZB', 'Oxford', 'Ox'),

-> ('2600', '9702 Chester Road', '9629850293', 'Stretford', 'Manchester', 'UK'),

-> ('2700', 'Schwanthalerstr. 7031', '80925', 'Munich', 'Bavaria', 'DE'),

-> ('2800', 'Rua Frei Caneca 1360', '01307-002', 'Sao Paulo', 'Sao Paulo', 'BR'),

-> ('2900', '20 Rue des Corps-Saints', '1730', 'Geneva', 'Geneve', 'CH'),

-> ('3000', 'Murtenstrasse 921', '3095', 'Bern', 'BE', 'CH'),

-> ('3100', 'Pieter Breughelstraat 837', '3029SK', 'Utrecht', 'Utrecht', 'NL'),

-> ('3200', 'Mariano Escobedo 9991', '11932', 'Mexico City', '"Distrito Federal', '"');

ERROR 1062 (23000): Duplicate entry '1000' for key 'PRIMARY'

MariaDB [csd2204w18]> desc loaction;

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

MariaDB [csd2204w18]> desc loactions;

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

MariaDB [csd2204w18]> desc location;s

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

-> ';

'> ';

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 's

';

'' at line 1

MariaDB [csd2204w18]> desc locations;

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

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

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

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

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

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

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

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

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

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

6 rows in set (0.02 sec)

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

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

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

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

| employee\_id | department\_id |

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

| 100 | 24000.00 |

| 101 | 17000.00 |

| 102 | 17000.00 |

| 103 | 9000.00 |

| 108 | 12000.00 |

| 114 | 11000.00 |

| 120 | 8000.00 |

| 121 | 8200.00 |

| 122 | 7900.00 |

| 123 | 6500.00 |

| 124 | 5800.00 |

| 145 | 14000.00 |

| 146 | 13500.00 |

| 147 | 12000.00 |

| 148 | 11000.00 |

| 149 | 10500.00 |

| 201 | 13000.00 |

| 205 | 12000.00 |

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

18 rows in set (0.00 sec)

MariaDB [csd2204w18]> select department\_id from departments where location\_id IN (select location\_id from loctions where counrty\_id = "US")

-> ;

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

MariaDB [csd2204w18]> select department\_id from departments where location\_id IN (select location\_id from locations where counrty\_id = "US")

-> select department\_id from departments where location\_id IN (select location\_id from locations where counrty\_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 from departments where location\_id IN (select location\_id f' at line 2

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]> desc loctions;

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

MariaDB [csd2204w18]> desc locations;

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

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

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

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

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

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

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

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

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

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

6 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id(NOT manager) salary > (manager sales) AND department\_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 '> (manager sales) AND department\_id ="US")' at line 1

MariaDB [csd2204w18]> select employee\_id(NOT manager) salary > (manager sales) department\_id (select location\_id from locations where counrty\_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 '> (manager sales) department\_id (select location\_id from locations where counrty' at line 1

MariaDB [csd2204w18]> select employee\_id(NOT manager) salary > (manager salary) department\_id (select location\_id from locations where counrty\_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 '> (manager salary) department\_id (select location\_id from locations where counrt' at line 1

MariaDB [csd2204w18]> select employee\_id(NOT manager) salary > (manager sales salary) department\_id (select location\_id from locations where counrty\_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 '> (manager sales salary) department\_id (select location\_id from locations where ' at line 1

MariaDB [csd2204w18]> select employee\_id(NOT manager) salary > (manager sales salary) (select location\_id from locations where counrty\_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 '> (manager sales salary) (select location\_id from locations where counrty\_id ="U' at line 1

MariaDB [csd2204w18]> select employee\_id from manager(NOT manager) salary > (manager sales salary) department\_id (select location\_id from locations where counrty\_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 '(NOT manager) salary > (manager sales salary) department\_id (select location\_id ' at line 1

MariaDB [csd2204w18]> select employee\_id from employees (NOT manager) salary > (manager sales salary) department\_id (select location\_id from locations where counrty\_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 '(NOT manager) salary > (manager sales salary) department\_id (select location\_id ' at line 1

MariaDB [csd2204w18]> select employee\_id salary from employees (NOT manager) > (manager sales salary) department\_id (select location\_id from locations where counrty\_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 '(NOT manager) > (manager sales salary) department\_id (select location\_id from lo' at line 1

MariaDB [csd2204w18]> select employee\_id salary from employees (NOT manager) < (manager sales salary) department\_id (select location\_id from locations where counrty\_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 '(NOT manager) < (manager sales salary) department\_id (select location\_id from lo' at line 1

MariaDB [csd2204w18]> select employee\_id salary from employees ( WHO ARE NOT manager) > (manager sales salary) department\_id (select location\_id from locations where counrty\_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 '( WHO ARE NOT manager) > (manager sales salary) department\_id (select location\_i' at line 1

MariaDB [csd2204w18]> employee who are not manager select b. first\_name,b.last\_name from employees b where not exits ('X' fromk employees a where a. manager\_id = b.employee\_id;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'employee who are not manager select b. first\_name,b.last\_name from employees b w' at line 1

MariaDB [csd2204w18]> select employee\_id,salary from employees where (salary > ANY(select salary from employees where (employee\_id IN (select manager\_id from employees)) AND departmen\_id IN(select department\_id from departments where location\_id IN (select location\_id from location where country\_id = "US")))) AND employess\_id NOT IN(select manager\_id from employees);

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

MariaDB [csd2204w18]> show tables;

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

| Tables\_in\_csd2204w18 |

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

| countries |

| departments |

| employees |

| job\_history |

| locations |

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

5 rows in set (0.00 sec)

MariaDB [csd2204w18]> select employee\_id,salary from employees where (salary > ANY(select salary from employees where (employee\_id IN (select manager\_id from employees)) AND departmen\_id IN(select department\_id from departments where location\_id IN (select location\_id from locations where country\_id = "US")))) AND employess\_id NOT IN(select manager\_id from employees);

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

MariaDB [csd2204w18]> select employee\_id,salary from employees where (salary > ANY(select salary from employees where (employee\_id IN (select manager\_id from employees)) AND department\_id IN(select department\_id from departments where location\_id IN (select location\_id from locations where country\_id = "US")))) AND employess\_id NOT IN(select manager\_id from employees);

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

MariaDB [csd2204w18]> select employee\_id,salary from employees where (salary > ANY(select salary from employees where (employee\_id IN (select manager\_id from employees)) AND department\_id IN(select department\_id from departments where location\_id IN (select location\_id from locations where country\_id = "US")))) AND employees\_id NOT IN(select manager\_id from employees);

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

MariaDB [csd2204w18]> select employee\_id,salary from employees where (salary > ANY(select salary from employees where (employee\_id IN (select manager\_id from employees)) AND department\_id IN(select department\_id from departments where location\_id IN (select location\_id from locations where country\_id = "US")))) AND employee\_id NOT IN(select manager\_id from employees);

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

| employee\_id | salary |

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

| 104 | 6000.00 |

| 109 | 9000.00 |

| 110 | 8200.00 |

| 111 | 7700.00 |

| 112 | 7800.00 |

| 113 | 6900.00 |

| 150 | 10000.00 |

| 151 | 9500.00 |

| 152 | 9000.00 |

| 153 | 8000.00 |

| 154 | 7500.00 |

| 155 | 7000.00 |

| 156 | 10000.00 |

| 157 | 9500.00 |

| 158 | 9000.00 |

| 159 | 8000.00 |

| 160 | 7500.00 |

| 161 | 7000.00 |

| 162 | 10500.00 |

| 163 | 9500.00 |

| 164 | 7200.00 |

| 165 | 6800.00 |

| 166 | 6400.00 |

| 167 | 6200.00 |

| 168 | 11500.00 |

| 169 | 10000.00 |

| 170 | 9600.00 |

| 171 | 7400.00 |

| 172 | 7300.00 |

| 173 | 6100.00 |

| 174 | 11000.00 |

| 175 | 8800.00 |

| 176 | 8600.00 |

| 177 | 8400.00 |

| 178 | 7000.00 |

| 179 | 6200.00 |

| 202 | 6000.00 |

| 203 | 6500.00 |

| 204 | 10000.00 |

| 206 | 8300.00 |

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

40 rows in set (0.01 sec)

MariaDB [csd2204w18]> set @i = 0; select i, employee\_id from (select @i := @i + 1 AS i, employee\_id from employees) a where MOD(a.1, 2) = 0;

Query OK, 0 rows affected (0.00 sec)

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

MariaDB [csd2204w18]> set @i = 0; select i, employee\_id from (select @i := @i + 1 AS i, employee\_id from employees) a where MOD(a.i, 2) = 0;

Query OK, 0 rows affected (0.00 sec)

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

| i | employee\_id |

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

| 2 | 101 |

| 4 | 103 |

| 6 | 105 |

| 8 | 107 |

| 10 | 109 |

| 12 | 111 |

| 14 | 113 |

| 16 | 115 |

| 18 | 117 |

| 20 | 119 |

| 22 | 121 |

| 24 | 123 |

| 26 | 125 |

| 28 | 127 |

| 30 | 129 |

| 32 | 131 |

| 34 | 133 |

| 36 | 135 |

| 38 | 137 |

| 40 | 139 |

| 42 | 141 |

| 44 | 143 |

| 46 | 145 |

| 48 | 147 |

| 50 | 149 |

| 52 | 151 |

| 54 | 153 |

| 56 | 155 |

| 58 | 157 |

| 60 | 159 |

| 62 | 161 |

| 64 | 163 |

| 66 | 165 |

| 68 | 167 |

| 70 | 169 |

| 72 | 171 |

| 74 | 173 |

| 76 | 175 |

| 78 | 177 |

| 80 | 179 |

| 82 | 181 |

| 84 | 183 |

| 86 | 185 |

| 88 | 187 |

| 90 | 189 |

| 92 | 191 |

| 94 | 193 |

| 96 | 195 |

| 98 | 197 |

| 100 | 199 |

| 102 | 201 |

| 104 | 203 |

| 106 | 205 |

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

53 rows in set (0.00 sec)

MariaDB [csd2204w18]> select distinct salary from employee el where 5 = (select count(distinct salary) from employee e2 where e2.salary >= e1.salary);

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

MariaDB [csd2204w18]> show tables;

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

| Tables\_in\_csd2204w18 |

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

| countries |

| departments |

| employees |

| job\_history |

| locations |

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

5 rows in set (0.00 sec)

MariaDB [csd2204w18]> select distinct salary from employees el where 5 = (select count(distinct salary) from employee e2 where e2.salary >= e1.salary);

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

MariaDB [csd2204w18]> select distinct salary from employees el where 5 = (select count(distinct salary) from employees e2 where e2.salary >= e1.salary);

ERROR 1054 (42S22): Unknown column 'e1.salary' in 'where clause'

MariaDB [csd2204w18]> select distinct salary from employees e1 where 5 = (select count(distinct salary) from employees e2 where e2.salary >= e1.salary);

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

| salary |

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

| 13000.00 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select distinct salary from employees e1 where 4 = (select count(distinct salary) from employees e2 where e2.salary <= el.salary);

ERROR 1054 (42S22): Unknown column 'el.salary' in 'where clause'

MariaDB [csd2204w18]> select distinct salary from employees e1 where 4 = (select count(distinct salary) from employees e2 where e2.salary <= e1.salary);

+---------+

| salary |

+---------+

| 2500.00 |

+---------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select \* from (select \* from employee\_

-> id';

'> ';

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

'' at line 2

MariaDB [csd2204w18]> select \* from (select \* from employee\_id DESC LIMIT 10) sub order by employee\_id ASC;

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 'DESC LIMIT 10) sub order by employee\_id ASC' at line 1

MariaDB [csd2204w18]> select \* from (select \* from employees order by employee\_id DESC LIMIT 10) sub order by employee\_id ASC;

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

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

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

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

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

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

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

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

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

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

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

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

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

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

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from departments where departments\_id NOT IN (select department\_id from employees);

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

MariaDB [csd2204w18]> show tables;

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

| Tables\_in\_csd2204w18 |

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

| countries |

| departments |

| employees |

| job\_history |

| locations |

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

5 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from departments where department\_id NOT IN (select department\_id from employees);

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

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

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

| 120 | Treasury | 0 | 1700 |

| 130 | Corporate Tax | 0 | 1700 |

| 140 | Control And Credit | 0 | 1700 |

| 150 | Shareholder Services | 0 | 1700 |

| 160 | Benefits | 0 | 1700 |

| 170 | Manufacturing | 0 | 1700 |

| 180 | Construction | 0 | 1700 |

| 190 | Contracting | 0 | 1700 |

| 200 | Operations | 0 | 1700 |

| 210 | IT Support | 0 | 1700 |

| 220 | NOC | 0 | 1700 |

| 230 | IT Helpdesk | 0 | 1700 |

| 240 | Government Sales | 0 | 1700 |

| 250 | Retail Sales | 0 | 1700 |

| 260 | Recruiting | 0 | 1700 |

| 270 | Payroll | 0 | 1700 |

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

16 rows in set (0.00 sec)

MariaDB [csd2204w18]> select distinct salary from employees a where 3

-> >=';

'> ';

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

| salary |

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

| 24000.00 |

| 17000.00 |

| 9000.00 |

| 6000.00 |

| 4800.00 |

| 4200.00 |

| 12000.00 |

| 8200.00 |

| 7700.00 |

| 7800.00 |

| 6900.00 |

| 11000.00 |

| 3100.00 |

| 2900.00 |

| 2800.00 |

| 2600.00 |

| 2500.00 |

| 8000.00 |

| 7900.00 |

| 6500.00 |

| 5800.00 |

| 3200.00 |

| 2700.00 |

| 2400.00 |

| 2200.00 |

| 3300.00 |

| 2100.00 |

| 3600.00 |

| 3500.00 |

| 14000.00 |

| 13500.00 |

| 10500.00 |

| 10000.00 |

| 9500.00 |

| 7500.00 |

| 7000.00 |

| 7200.00 |

| 6800.00 |

| 6400.00 |

| 6200.00 |

| 11500.00 |

| 9600.00 |

| 7400.00 |

| 7300.00 |

| 6100.00 |

| 8800.00 |

| 8600.00 |

| 8400.00 |

| 4100.00 |

| 3400.00 |

| 3000.00 |

| 3800.00 |

| 4000.00 |

| 3900.00 |

| 4400.00 |

| 13000.00 |

| 8300.00 |

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

57 rows in set, 1 warning (0.00 sec)

MariaDB [csd2204w18]> select distinct salary from employees a where 3>= (select count(distinct salary) from employees b where b.salary >= a.salary) order by a.salary DESC;

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

| salary |

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

| 24000.00 |

| 17000.00 |

| 14000.00 |

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

3 rows in set (0.02 sec)

MariaDB [csd2204w18]> select distinct salary from employees a where 3 >= (select count(distinct salary) from employees b where b. salary >= a.salary) order by a.salary DESC;

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

| salary |

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

| 24000.00 |

| 17000.00 |

| 14000.00 |

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

3 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from employees emp1 where (5) = (select count(distinct(emp2.salary)) from employees emp2 where emp2.salary > emp1.salary);

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

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

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

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

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

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

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

3 rows in set (0.00 sec)

MariaDB [csd2204w18]>