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

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

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

MariaDB [(none)]> create database csd2204;

Query OK, 1 row affected (0.06 sec)

MariaDB [(none)]> CREATE TABLE manu(

-> Code INTEGER(3) AUTO\_INCREMENT ,

-> Name VARCHAR(50) NOT NULL,

-> CONSTRAINT PK\_MANU PRIMARY KEY (CODE)

-> );

ERROR 1046 (3D000): No database selected

MariaDB [(none)]> use csd2204;

Database changed

MariaDB [csd2204]> CREATE TABLE manu(

-> Code INTEGER(3) AUTO\_INCREMENT ,

-> Name VARCHAR(50) NOT NULL,

-> CONSTRAINT PK\_MANU PRIMARY KEY (CODE)

-> );

Query OK, 0 rows affected (1.79 sec)

MariaDB [csd2204]> INSERT INTO manu(Name) VALUES('Sony');

Query OK, 1 row affected (0.16 sec)

MariaDB [csd2204]> INSERT INTO manu(Name) VALUES('Creative Labs');

Query OK, 1 row affected (0.17 sec)

MariaDB [csd2204]> INSERT INTO manu(Name) VALUES('Hewlett-Packard');

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204]> INSERT INTO manu(Name) VALUES('Iomega');

Query OK, 1 row affected (0.08 sec)

MariaDB [csd2204]> INSERT INTO manu(Name) VALUES('Fujitsu');

Query OK, 1 row affected (0.09 sec)

MariaDB [csd2204]> INSERT INTO manu(Name) VALUES('Winchester');

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204]> INSERT INTO manu(Name) VALUES('moxDroid Labs Inc');

Query OK, 1 row affected (0.03 sec)

MariaDB [csd2204]> INSERT INTO manu(Name) VALUES("Dell");

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204]> INSERT INTO manu(Name) VALUES("Bell Labs");

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204]> CREATE TABLE Products (

-> Code INTEGER(3) AUTO\_INCREMENT,

-> Name VARCHAR(255) NOT NULL ,

-> Price DECIMAL NOT NULL ,

-> Manufacturer INTEGER(3),

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

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

-> );

Query OK, 0 rows affected (0.48 sec)

MariaDB [csd2204]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Hard drive',240,5);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Memory',120,6);

Query OK, 1 row affected (0.25 sec)

MariaDB [csd2204]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('ZIP drive',150,4);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Floppy disk',5,6);

Query OK, 1 row affected (0.03 sec)

MariaDB [csd2204]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Monitor',240,1);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('DVD drive',180,2);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('CD drive',90,2);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Printer',270,3);

Query OK, 1 row affected (0.08 sec)

MariaDB [csd2204]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Toner cartridge',66,3);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('DVD burner',180,2);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Printer',40.00,7);

Query OK, 1 row affected (0.22 sec)

MariaDB [csd2204]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Toner cartridge',54.00,7);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('DVD burner',78.00,7);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204]> select \* from Products;

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

| Code | Name | Price | Manufacturer |

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

| 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 |

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

13 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from manu;

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

| Code | Name |

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

| 1 | Sony |

| 2 | Creative Labs |

| 3 | Hewlett-Packard |

| 4 | Iomega |

| 5 | Fujitsu |

| 6 | Winchester |

| 7 | moxDroid Labs Inc |

| 8 | Dell |

| 9 | Bell Labs |

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

9 rows in set (0.00 sec)

MariaDB [csd2204]> SELECT PRODUCTS.CODE, PRODUCTS.NAME, MANU.NAME

-> FROM MANU

-> INNER JOIN PRODUCTS

-> ON PRODUCTS.CODE = MANU.CODE;

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

| CODE | NAME | NAME |

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

| 1 | Hard drive | Sony |

| 2 | Memory | Creative Labs |

| 3 | ZIP drive | Hewlett-Packard |

| 4 | Floppy disk | Iomega |

| 5 | Monitor | Fujitsu |

| 6 | DVD drive | Winchester |

| 7 | CD drive | moxDroid Labs Inc |

| 8 | Printer | Dell |

| 9 | Toner cartridge | Bell Labs |

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

9 rows in set (0.00 sec)

MariaDB [csd2204]> SELECT COUNT(\*),manufacturer

-> FROM products as p

-> INNER JOIN manu m

-> ON m.code=p.manufacturer

-> GROUP BY manufacturer;

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

| COUNT(\*) | manufacturer |

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

| 1 | 1 |

| 3 | 2 |

| 2 | 3 |

| 1 | 4 |

| 1 | 5 |

| 2 | 6 |

| 3 | 7 |

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

7 rows in set (0.00 sec)

MariaDB [csd2204]> SELECT COUNT(\*),p.manufacturer,m.name

-> FROM products as p

-> inner join manu m

-> ON m.code=p.manufacturer

-> GROUP BY manufacturer;

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

| COUNT(\*) | manufacturer | name |

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

| 1 | 1 | Sony |

| 3 | 2 | Creative Labs |

| 2 | 3 | Hewlett-Packard |

| 1 | 4 | Iomega |

| 1 | 5 | Fujitsu |

| 2 | 6 | Winchester |

| 3 | 7 | moxDroid Labs Inc |

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

7 rows in set (0.00 sec)

MariaDB [csd2204]> SELECT COUNT(\*),p.manufacturer,m.name

-> FROM products as p

-> inner join manu m

-> ON m.code=p.manufacturer

-> GROUP BY manufacturer having manufacturer < 4;

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

| COUNT(\*) | manufacturer | name |

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

| 1 | 1 | Sony |

| 3 | 2 | Creative Labs |

| 2 | 3 | Hewlett-Packard |

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

3 rows in set (0.00 sec)

MariaDB [csd2204]> SELECT COUNT(\*),p.manufacturer,m.name

-> FROM products as p

-> inner join manu m

-> ON m.code=p.manufacturer

-> GROUP BY manufacturer having count(manufacturer)

-> > 2;

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

| COUNT(\*) | manufacturer | name |

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

| 3 | 2 | Creative Labs |

| 3 | 7 | moxDroid Labs Inc |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> SELECT COUNT(\*),p.manufacturer,m.name

-> FROM products as p

-> inner join manu m

-> ON m.code=p.manufacturer

-> GROUP BY manufacturer having count(\*) = 2;

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

| COUNT(\*) | manufacturer | name |

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

| 2 | 3 | Hewlett-Packard |

| 2 | 6 | Winchester |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> SELECT COUNT(\*),p.manufacturer,m.name

-> FROM products as p

-> inner join manu m

-> ON m.code=p.manufacturer

-> GROUP BY manufacturer having count(\*) = 2;

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

| COUNT(\*) | manufacturer | name |

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

| 2 | 3 | Hewlett-Packard |

| 2 | 6 | Winchester |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> SELECT COUNT(\*),p.manufacturer,m.name

-> FROM products as p

-> inner join manu m

-> ON m.code=p.manufacturer

-> GROUP BY manufacturer having count(\*) = 2;

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

| COUNT(\*) | manufacturer | name |

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

| 2 | 3 | Hewlett-Packard |

| 2 | 6 | Winchester |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> SELECT COUNT(\*),p.manufacturer,m.name

-> FROM products as p

-> inner join manu m

-> ON m.code=p.manufacturer

-> GROUP BY manufacturer having count(manufacturer) = 2;

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

| COUNT(\*) | manufacturer | name |

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

| 2 | 3 | Hewlett-Packard |

| 2 | 6 | Winchester |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> SELECT COUNT(\*),p.manufacturer,m.name

-> FROM products as p

-> inner join manu m

-> ON m.code=p.manufacturer

-> GROUP BY manufacturer having manufacturer in

-> (2,3);

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

| COUNT(\*) | manufacturer | name |

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

| 3 | 2 | Creative Labs |

| 2 | 3 | Hewlett-Packard |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> select count(\*),p.manufacturer,m.name

-> from prodeucts p

-> inner join manu m

-> on m.code=p.manufaturer

-> group by manufacturer having manufacturer in (2,3);

ERROR 1146 (42S02): Table 'csd2204.prodeucts' doesn't exist

MariaDB [csd2204]> select count(\*),p.manufacturer,m.name

-> from products p

-> inner join manu m

-> on m.code=p.manufacturer

-> group by manufacturer having manufacturer in (2,3);

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

| count(\*) | manufacturer | name |

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

| 3 | 2 | Creative Labs |

| 2 | 3 | Hewlett-Packard |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> select count(\*),p.manufacturer,m.name

-> from products p

-> inner join manu m

-> on m.code=p.manufacturer

-> group by manufacturer having m.code in (2,3);

ERROR 1054 (42S22): Unknown column 'm.code' in 'having clause'

MariaDB [csd2204]> select p.code,p.name,m.name

-> from manu m

-> left join products p

-> on p.code=m.code;

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

| code | name | name |

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

| 1 | Hard drive | Sony |

| 2 | Memory | Creative Labs |

| 3 | ZIP drive | Hewlett-Packard |

| 4 | Floppy disk | Iomega |

| 5 | Monitor | Fujitsu |

| 6 | DVD drive | Winchester |

| 7 | CD drive | moxDroid Labs Inc |

| 8 | Printer | Dell |

| 9 | Toner cartridge | Bell Labs |

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

9 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from manu;

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

| Code | Name |

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

| 1 | Sony |

| 2 | Creative Labs |

| 3 | Hewlett-Packard |

| 4 | Iomega |

| 5 | Fujitsu |

| 6 | Winchester |

| 7 | moxDroid Labs Inc |

| 8 | Dell |

| 9 | Bell Labs |

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

9 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from products;

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

| Code | Name | Price | Manufacturer |

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

| 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 |

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

13 rows in set (0.00 sec)

MariaDB [csd2204]> select p.code,p.name,m.name

-> from products p

-> left join manu m

-> on p.code=m.code;

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

| code | name | name |

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

| 1 | Hard drive | Sony |

| 2 | Memory | Creative Labs |

| 3 | ZIP drive | Hewlett-Packard |

| 4 | Floppy disk | Iomega |

| 5 | Monitor | Fujitsu |

| 6 | DVD drive | Winchester |

| 7 | CD drive | moxDroid Labs Inc |

| 8 | Printer | Dell |

| 9 | Toner cartridge | Bell Labs |

| 10 | DVD burner | NULL |

| 11 | Printer | NULL |

| 12 | Toner cartridge | NULL |

| 13 | DVD burner | NULL |

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

13 rows in set (0.00 sec)

MariaDB [csd2204]> select p.code,p.name,m.name

-> from manu m

-> outer join products p

-> on m.code=p.code;

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

on m.code=p.code' at line 3

MariaDB [csd2204]> select p.code,p.name,m.name

-> from manu m

-> right join products p

-> on m.code=p.code;

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

| code | name | name |

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

| 1 | Hard drive | Sony |

| 2 | Memory | Creative Labs |

| 3 | ZIP drive | Hewlett-Packard |

| 4 | Floppy disk | Iomega |

| 5 | Monitor | Fujitsu |

| 6 | DVD drive | Winchester |

| 7 | CD drive | moxDroid Labs Inc |

| 8 | Printer | Dell |

| 9 | Toner cartridge | Bell Labs |

| 10 | DVD burner | NULL |

| 11 | Printer | NULL |

| 12 | Toner cartridge | NULL |

| 13 | DVD burner | NULL |

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

13 rows in set (0.00 sec)

MariaDB [csd2204]> select p.code,p.name,m.name

-> from manu m

-> left join products p

-> on p.code=m.code;

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

| code | name | name |

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

| 1 | Hard drive | Sony |

| 2 | Memory | Creative Labs |

| 3 | ZIP drive | Hewlett-Packard |

| 4 | Floppy disk | Iomega |

| 5 | Monitor | Fujitsu |

| 6 | DVD drive | Winchester |

| 7 | CD drive | moxDroid Labs Inc |

| 8 | Printer | Dell |

| 9 | Toner cartridge | Bell Labs |

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

9 rows in set (0.00 sec)

MariaDB [csd2204]> select p.code,p.name,m.name

-> from products p

-> left join manu m

-> on p.manufacturer=m.code;

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

| code | name | name |

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

| 1 | Hard drive | Fujitsu |

| 2 | Memory | Winchester |

| 3 | ZIP drive | Iomega |

| 4 | Floppy disk | Winchester |

| 5 | Monitor | Sony |

| 6 | DVD drive | Creative Labs |

| 7 | CD drive | Creative Labs |

| 8 | Printer | Hewlett-Packard |

| 9 | Toner cartridge | Hewlett-Packard |

| 10 | DVD burner | Creative Labs |

| 11 | Printer | moxDroid Labs Inc |

| 12 | Toner cartridge | moxDroid Labs Inc |

| 13 | DVD burner | moxDroid Labs Inc |

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

13 rows in set (0.00 sec)

MariaDB [csd2204]> select p.code,p.name,m.name

-> from products p

-> left join manu m

-> on p.manufacturer=m.code;;

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

| code | name | name |

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

| 1 | Hard drive | Fujitsu |

| 2 | Memory | Winchester |

| 3 | ZIP drive | Iomega |

| 4 | Floppy disk | Winchester |

| 5 | Monitor | Sony |

| 6 | DVD drive | Creative Labs |

| 7 | CD drive | Creative Labs |

| 8 | Printer | Hewlett-Packard |

| 9 | Toner cartridge | Hewlett-Packard |

| 10 | DVD burner | Creative Labs |

| 11 | Printer | moxDroid Labs Inc |

| 12 | Toner cartridge | moxDroid Labs Inc |

| 13 | DVD burner | moxDroid Labs Inc |

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

13 rows in set (0.00 sec)

ERROR: No query specified

MariaDB [csd2204]> select p.code,p.name,m.name

-> from products p

-> left join manu m

-> on p.manufacturer=m.code;

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

| code | name | name |

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

| 1 | Hard drive | Fujitsu |

| 2 | Memory | Winchester |

| 3 | ZIP drive | Iomega |

| 4 | Floppy disk | Winchester |

| 5 | Monitor | Sony |

| 6 | DVD drive | Creative Labs |

| 7 | CD drive | Creative Labs |

| 8 | Printer | Hewlett-Packard |

| 9 | Toner cartridge | Hewlett-Packard |

| 10 | DVD burner | Creative Labs |

| 11 | Printer | moxDroid Labs Inc |

| 12 | Toner cartridge | moxDroid Labs Inc |

| 13 | DVD burner | moxDroid Labs Inc |

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

13 rows in set (0.00 sec)

MariaDB [csd2204]> select p.code,p.name,m.name

-> from manu m

-> left join products p

-> on p.manufacturer=m.code;

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

| code | name | name |

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

| 5 | Monitor | Sony |

| 6 | DVD drive | Creative Labs |

| 7 | CD drive | Creative Labs |

| 10 | DVD burner | Creative Labs |

| 8 | Printer | Hewlett-Packard |

| 9 | Toner cartridge | Hewlett-Packard |

| 3 | ZIP drive | Iomega |

| 1 | Hard drive | Fujitsu |

| 2 | Memory | Winchester |

| 4 | Floppy disk | Winchester |

| 11 | Printer | moxDroid Labs Inc |

| 12 | Toner cartridge | moxDroid Labs Inc |

| 13 | DVD burner | moxDroid Labs Inc |

| NULL | NULL | Dell |

| NULL | NULL | Bell Labs |

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

15 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from manufacturer;

ERROR 1146 (42S02): Table 'csd2204.manufacturer' doesn't exist

MariaDB [csd2204]> select \* from manu;

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

| Code | Name |

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

| 1 | Sony |

| 2 | Creative Labs |

| 3 | Hewlett-Packard |

| 4 | Iomega |

| 5 | Fujitsu |

| 6 | Winchester |

| 7 | moxDroid Labs Inc |

| 8 | Dell |

| 9 | Bell Labs |

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

9 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from products;

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

| Code | Name | Price | Manufacturer |

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

| 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 |

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

13 rows in set (0.00 sec)

MariaDB [csd2204]> select p.code,p.name,m.name

-> from manu m

-> full join products p

-> on p.manufacturer=m.code;

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

on p.manufacturer=m.code' at line 3

MariaDB [csd2204]> select p.code,p.name,m.name

-> from manu m

-> full outer join products p

-> on p.manufacturer=m.code;

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

on p.manufacturer=m.code' at line 3

MariaDB [csd2204]> SELECT PRODUCTS.CODE, PRODUCTS.NAME, MANU.NAME

-> FROM PRODUCTS

-> LEFT JOIN MANU

-> ON PRODUCTS.CODE = MANU.CODE

-> UNION

-> SELECT PRODUCTS.CODE, PRODUCTS.NAME, MANU.NAME

-> FROM PRODUCTS

-> RIGHT JOIN MANU

-> ON PRODUCTS.CODE = MANU.CODE;

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

| CODE | NAME | NAME |

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

| 1 | Hard drive | Sony |

| 2 | Memory | Creative Labs |

| 3 | ZIP drive | Hewlett-Packard |

| 4 | Floppy disk | Iomega |

| 5 | Monitor | Fujitsu |

| 6 | DVD drive | Winchester |

| 7 | CD drive | moxDroid Labs Inc |

| 8 | Printer | Dell |

| 9 | Toner cartridge | Bell Labs |

| 10 | DVD burner | NULL |

| 11 | Printer | NULL |

| 12 | Toner cartridge | NULL |

| 13 | DVD burner | NULL |

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

13 rows in set (0.00 sec)

MariaDB [csd2204]> SELECT column\_name(s)

-> FROM table1

-> FULL OUTER JOIN table2 ON table1.column\_name = ta

-> ble2.column\_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 '(s)

FROM table1

FULL OUTER JOIN table2 ON table1.column\_name = ta

ble2.column\_na' at line 1

MariaDB [csd2204]> select p.code,p.name,m.name

-> from manu m

-> full outer join products m on m.code=p.code;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'full outer join products m on m.code=p.code' at line 3

MariaDB [csd2204]> select p.code,p.name,m.name

-> from manu m

-> right join products p

-> on p.code=m.code;

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

| code | name | name |

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

| 1 | Hard drive | Sony |

| 2 | Memory | Creative Labs |

| 3 | ZIP drive | Hewlett-Packard |

| 4 | Floppy disk | Iomega |

| 5 | Monitor | Fujitsu |

| 6 | DVD drive | Winchester |

| 7 | CD drive | moxDroid Labs Inc |

| 8 | Printer | Dell |

| 9 | Toner cartridge | Bell Labs |

| 10 | DVD burner | NULL |

| 11 | Printer | NULL |

| 12 | Toner cartridge | NULL |

| 13 | DVD burner | NULL |

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

13 rows in set (0.00 sec)

MariaDB [csd2204]> select p.code,p.name,m.name

-> from manu m

-> right join products p

-> on p.code=m.code;

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

| code | name | name |

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

| 1 | Hard drive | Sony |

| 2 | Memory | Creative Labs |

| 3 | ZIP drive | Hewlett-Packard |

| 4 | Floppy disk | Iomega |

| 5 | Monitor | Fujitsu |

| 6 | DVD drive | Winchester |

| 7 | CD drive | moxDroid Labs Inc |

| 8 | Printer | Dell |

| 9 | Toner cartridge | Bell Labs |

| 10 | DVD burner | NULL |

| 11 | Printer | NULL |

| 12 | Toner cartridge | NULL |

| 13 | DVD burner | NULL |

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

13 rows in set (0.00 sec)

MariaDB [csd2204]> select p.code,p.name,m.name

-> from products m

-> ;

ERROR 1054 (42S22): Unknown column 'p.code' in 'field list'

MariaDB [csd2204]> select p.code,p.name,m.name

-> from products p

-> right join manu m

-> on p.code=m.code;

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

| code | name | name |

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

| 1 | Hard drive | Sony |

| 2 | Memory | Creative Labs |

| 3 | ZIP drive | Hewlett-Packard |

| 4 | Floppy disk | Iomega |

| 5 | Monitor | Fujitsu |

| 6 | DVD drive | Winchester |

| 7 | CD drive | moxDroid Labs Inc |

| 8 | Printer | Dell |

| 9 | Toner cartridge | Bell Labs |

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

9 rows in set (0.00 sec)

MariaDB [csd2204]> select p.code,p.name,m.name

-> from manu m

-> right join products p

-> on m.code=p.manufacturer;

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

| code | name | name |

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

| 1 | Hard drive | Fujitsu |

| 2 | Memory | Winchester |

| 3 | ZIP drive | Iomega |

| 4 | Floppy disk | Winchester |

| 5 | Monitor | Sony |

| 6 | DVD drive | Creative Labs |

| 7 | CD drive | Creative Labs |

| 8 | Printer | Hewlett-Packard |

| 9 | Toner cartridge | Hewlett-Packard |

| 10 | DVD burner | Creative Labs |

| 11 | Printer | moxDroid Labs Inc |

| 12 | Toner cartridge | moxDroid Labs Inc |

| 13 | DVD burner | moxDroid Labs Inc |

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

13 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from products;

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

| Code | Name | Price | Manufacturer |

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

| 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 |

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

13 rows in set (0.00 sec)

MariaDB [csd2204]> select p.code,p.name,m.name

-> from products p

-> right join manu m

-> on m.code=p.manufacturer;

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

| code | name | name |

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

| 5 | Monitor | Sony |

| 6 | DVD drive | Creative Labs |

| 7 | CD drive | Creative Labs |

| 10 | DVD burner | Creative Labs |

| 8 | Printer | Hewlett-Packard |

| 9 | Toner cartridge | Hewlett-Packard |

| 3 | ZIP drive | Iomega |

| 1 | Hard drive | Fujitsu |

| 2 | Memory | Winchester |

| 4 | Floppy disk | Winchester |

| 11 | Printer | moxDroid Labs Inc |

| 12 | Toner cartridge | moxDroid Labs Inc |

| 13 | DVD burner | moxDroid Labs Inc |

| NULL | NULL | Dell |

| NULL | NULL | Bell Labs |

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

15 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from manu;'

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

| Code | Name |

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

| 1 | Sony |

| 2 | Creative Labs |

| 3 | Hewlett-Packard |

| 4 | Iomega |

| 5 | Fujitsu |

| 6 | Winchester |

| 7 | moxDroid Labs Inc |

| 8 | Dell |

| 9 | Bell Labs |

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

9 rows in set (0.00 sec)

'> '

-> ;

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 [csd2204]> select p.code,p.name,m.name

-> from manu m

-> full outer join products m on m.code=p.code;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'full outer join products m on m.code=p.code' at line 3

MariaDB [csd2204]> select p.code,p.name,m.name

-> from products p

-> left join manu m

-> on m.code=p.code

-> union

-> select p.code,p.name,m.name

-> from products p

-> right join manu m

-> on m.code=p.code

-> ;

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

| code | name | name |

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

| 1 | Hard drive | Sony |

| 2 | Memory | Creative Labs |

| 3 | ZIP drive | Hewlett-Packard |

| 4 | Floppy disk | Iomega |

| 5 | Monitor | Fujitsu |

| 6 | DVD drive | Winchester |

| 7 | CD drive | moxDroid Labs Inc |

| 8 | Printer | Dell |

| 9 | Toner cartridge | Bell Labs |

| 10 | DVD burner | NULL |

| 11 | Printer | NULL |

| 12 | Toner cartridge | NULL |

| 13 | DVD burner | NULL |

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

13 rows in set (0.00 sec)

MariaDB [csd2204]> select p.code,p.name,m.name

-> from products p

-> self join manu m

-> on m.code=p.code

-> ;

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

on m.code=p.code' at line 3

MariaDB [csd2204]> select p.code,p.name,m.name

-> self join manu m;

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 'join manu m' at line 2

MariaDB [csd2204]> select p.code,p.name

-> from products p

-> self join products p2

-> where p<>p2;

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 'self join products p2

where p<>p2' at line 3

MariaDB [csd2204]> select p.code,p.name

-> from products p

-> self join products p2

-> where p=p2;

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 'self join products p2

where p=p2' at line 3

MariaDB [csd2204]> select p.code,p.name,p2.name

-> from products p

-> self join products p2

-> where p=p2;

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 'self join products p2

where p=p2' at line 3

MariaDB [csd2204]> SELECT P1.CODE, P1.NAME, P2.NAME

-> FROM Products P1, Products P2

-> WHERE P1.CODE <> P2.CODE;

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

| CODE | NAME | NAME |

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

| 2 | Memory | Hard drive |

| 3 | ZIP drive | Hard drive |

| 4 | Floppy disk | Hard drive |

| 5 | Monitor | Hard drive |

| 6 | DVD drive | Hard drive |

| 7 | CD drive | Hard drive |

| 8 | Printer | Hard drive |

| 9 | Toner cartridge | Hard drive |

| 10 | DVD burner | Hard drive |

| 11 | Printer | Hard drive |

| 12 | Toner cartridge | Hard drive |

| 13 | DVD burner | Hard drive |

| 1 | Hard drive | Memory |

| 3 | ZIP drive | Memory |

| 4 | Floppy disk | Memory |

| 5 | Monitor | Memory |

| 6 | DVD drive | Memory |

| 7 | CD drive | Memory |

| 8 | Printer | Memory |

| 9 | Toner cartridge | Memory |

| 10 | DVD burner | Memory |

| 11 | Printer | Memory |

| 12 | Toner cartridge | Memory |

| 13 | DVD burner | Memory |

| 1 | Hard drive | ZIP drive |

| 2 | Memory | ZIP drive |

| 4 | Floppy disk | ZIP drive |

| 5 | Monitor | ZIP drive |

| 6 | DVD drive | ZIP drive |

| 7 | CD drive | ZIP drive |

| 8 | Printer | ZIP drive |

| 9 | Toner cartridge | ZIP drive |

| 10 | DVD burner | ZIP drive |

| 11 | Printer | ZIP drive |

| 12 | Toner cartridge | ZIP drive |

| 13 | DVD burner | ZIP drive |

| 1 | Hard drive | Floppy disk |

| 2 | Memory | Floppy disk |

| 3 | ZIP drive | Floppy disk |

| 5 | Monitor | Floppy disk |

| 6 | DVD drive | Floppy disk |

| 7 | CD drive | Floppy disk |

| 8 | Printer | Floppy disk |

| 9 | Toner cartridge | Floppy disk |

| 10 | DVD burner | Floppy disk |

| 11 | Printer | Floppy disk |

| 12 | Toner cartridge | Floppy disk |

| 13 | DVD burner | Floppy disk |

| 1 | Hard drive | Monitor |

| 2 | Memory | Monitor |

| 3 | ZIP drive | Monitor |

| 4 | Floppy disk | Monitor |

| 6 | DVD drive | Monitor |

| 7 | CD drive | Monitor |

| 8 | Printer | Monitor |

| 9 | Toner cartridge | Monitor |

| 10 | DVD burner | Monitor |

| 11 | Printer | Monitor |

| 12 | Toner cartridge | Monitor |

| 13 | DVD burner | Monitor |

| 1 | Hard drive | DVD drive |

| 2 | Memory | DVD drive |

| 3 | ZIP drive | DVD drive |

| 4 | Floppy disk | DVD drive |

| 5 | Monitor | DVD drive |

| 7 | CD drive | DVD drive |

| 8 | Printer | DVD drive |

| 9 | Toner cartridge | DVD drive |

| 10 | DVD burner | DVD drive |

| 11 | Printer | DVD drive |

| 12 | Toner cartridge | DVD drive |

| 13 | DVD burner | DVD drive |

| 1 | Hard drive | CD drive |

| 2 | Memory | CD drive |

| 3 | ZIP drive | CD drive |

| 4 | Floppy disk | CD drive |

| 5 | Monitor | CD drive |

| 6 | DVD drive | CD drive |

| 8 | Printer | CD drive |

| 9 | Toner cartridge | CD drive |

| 10 | DVD burner | CD drive |

| 11 | Printer | CD drive |

| 12 | Toner cartridge | CD drive |

| 13 | DVD burner | CD drive |

| 1 | Hard drive | Printer |

| 2 | Memory | Printer |

| 3 | ZIP drive | Printer |

| 4 | Floppy disk | Printer |

| 5 | Monitor | Printer |

| 6 | DVD drive | Printer |

| 7 | CD drive | Printer |

| 9 | Toner cartridge | Printer |

| 10 | DVD burner | Printer |

| 11 | Printer | Printer |

| 12 | Toner cartridge | Printer |

| 13 | DVD burner | Printer |

| 1 | Hard drive | Toner cartridge |

| 2 | Memory | Toner cartridge |

| 3 | ZIP drive | Toner cartridge |

| 4 | Floppy disk | Toner cartridge |

| 5 | Monitor | Toner cartridge |

| 6 | DVD drive | Toner cartridge |

| 7 | CD drive | Toner cartridge |

| 8 | Printer | Toner cartridge |

| 10 | DVD burner | Toner cartridge |

| 11 | Printer | Toner cartridge |

| 12 | Toner cartridge | Toner cartridge |

| 13 | DVD burner | Toner cartridge |

| 1 | Hard drive | DVD burner |

| 2 | Memory | DVD burner |

| 3 | ZIP drive | DVD burner |

| 4 | Floppy disk | DVD burner |

| 5 | Monitor | DVD burner |

| 6 | DVD drive | DVD burner |

| 7 | CD drive | DVD burner |

| 8 | Printer | DVD burner |

| 9 | Toner cartridge | DVD burner |

| 11 | Printer | DVD burner |

| 12 | Toner cartridge | DVD burner |

| 13 | DVD burner | DVD burner |

| 1 | Hard drive | Printer |

| 2 | Memory | Printer |

| 3 | ZIP drive | Printer |

| 4 | Floppy disk | Printer |

| 5 | Monitor | Printer |

| 6 | DVD drive | Printer |

| 7 | CD drive | Printer |

| 8 | Printer | Printer |

| 9 | Toner cartridge | Printer |

| 10 | DVD burner | Printer |

| 12 | Toner cartridge | Printer |

| 13 | DVD burner | Printer |

| 1 | Hard drive | Toner cartridge |

| 2 | Memory | Toner cartridge |

| 3 | ZIP drive | Toner cartridge |

| 4 | Floppy disk | Toner cartridge |

| 5 | Monitor | Toner cartridge |

| 6 | DVD drive | Toner cartridge |

| 7 | CD drive | Toner cartridge |

| 8 | Printer | Toner cartridge |

| 9 | Toner cartridge | Toner cartridge |

| 10 | DVD burner | Toner cartridge |

| 11 | Printer | Toner cartridge |

| 13 | DVD burner | Toner cartridge |

| 1 | Hard drive | DVD burner |

| 2 | Memory | DVD burner |

| 3 | ZIP drive | DVD burner |

| 4 | Floppy disk | DVD burner |

| 5 | Monitor | DVD burner |

| 6 | DVD drive | DVD burner |

| 7 | CD drive | DVD burner |

| 8 | Printer | DVD burner |

| 9 | Toner cartridge | DVD burner |

| 10 | DVD burner | DVD burner |

| 11 | Printer | DVD burner |

| 12 | Toner cartridge | DVD burner |

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

156 rows in set (0.00 sec)

MariaDB [csd2204]> SELECT P1.CODE, P1.NAME, P2.NAME

-> FROM Products P1, Products P2

-> WHERE P1.CODE = P2.CODE;

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

| CODE | NAME | NAME |

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

| 1 | Hard drive | Hard drive |

| 2 | Memory | Memory |

| 3 | ZIP drive | ZIP drive |

| 4 | Floppy disk | Floppy disk |

| 5 | Monitor | Monitor |

| 6 | DVD drive | DVD drive |

| 7 | CD drive | CD drive |

| 8 | Printer | Printer |

| 9 | Toner cartridge | Toner cartridge |

| 10 | DVD burner | DVD burner |

| 11 | Printer | Printer |

| 12 | Toner cartridge | Toner cartridge |

| 13 | DVD burner | DVD burner |

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

13 rows in set (0.00 sec)

MariaDB [csd2204]> SELECT P1.CODE, P1.NAME,P2.CODE,P2.NAME

-> FROM Products P1, Products P2

-> WHERE P1.CODE = P2.CODE;

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

| CODE | NAME | CODE | NAME |

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

| 1 | Hard drive | 1 | Hard drive |

| 2 | Memory | 2 | Memory |

| 3 | ZIP drive | 3 | ZIP drive |

| 4 | Floppy disk | 4 | Floppy disk |

| 5 | Monitor | 5 | Monitor |

| 6 | DVD drive | 6 | DVD drive |

| 7 | CD drive | 7 | CD drive |

| 8 | Printer | 8 | Printer |

| 9 | Toner cartridge | 9 | Toner cartridge |

| 10 | DVD burner | 10 | DVD burner |

| 11 | Printer | 11 | Printer |

| 12 | Toner cartridge | 12 | Toner cartridge |

| 13 | DVD burner | 13 | DVD burner |

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

13 rows in set (0.00 sec)

MariaDB [csd2204]> SELECT P1.CODE, P1.NAME,P2.CODE,P2.NAME

-> FROM Products P1, Products P2

-> WHERE P1.CODE = P2.CODE;

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

| CODE | NAME | CODE | NAME |

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

| 1 | Hard drive | 1 | Hard drive |

| 2 | Memory | 2 | Memory |

| 3 | ZIP drive | 3 | ZIP drive |

| 4 | Floppy disk | 4 | Floppy disk |

| 5 | Monitor | 5 | Monitor |

| 6 | DVD drive | 6 | DVD drive |

| 7 | CD drive | 7 | CD drive |

| 8 | Printer | 8 | Printer |

| 9 | Toner cartridge | 9 | Toner cartridge |

| 10 | DVD burner | 10 | DVD burner |

| 11 | Printer | 11 | Printer |

| 12 | Toner cartridge | 12 | Toner cartridge |

| 13 | DVD burner | 13 | DVD burner |

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

13 rows in set (0.00 sec)

MariaDB [csd2204]> SELECT P1.CODE, P1.NAME,P2.CODE,P2.NAME

-> FROM Products P1, Products P2

-> WHERE P1.CODE <> P2.CODE;

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

| CODE | NAME | CODE | NAME |

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

| 2 | Memory | 1 | Hard drive |

| 3 | ZIP drive | 1 | Hard drive |

| 4 | Floppy disk | 1 | Hard drive |

| 5 | Monitor | 1 | Hard drive |

| 6 | DVD drive | 1 | Hard drive |

| 7 | CD drive | 1 | Hard drive |

| 8 | Printer | 1 | Hard drive |

| 9 | Toner cartridge | 1 | Hard drive |

| 10 | DVD burner | 1 | Hard drive |

| 11 | Printer | 1 | Hard drive |

| 12 | Toner cartridge | 1 | Hard drive |

| 13 | DVD burner | 1 | Hard drive |

| 1 | Hard drive | 2 | Memory |

| 3 | ZIP drive | 2 | Memory |

| 4 | Floppy disk | 2 | Memory |

| 5 | Monitor | 2 | Memory |

| 6 | DVD drive | 2 | Memory |

| 7 | CD drive | 2 | Memory |

| 8 | Printer | 2 | Memory |

| 9 | Toner cartridge | 2 | Memory |

| 10 | DVD burner | 2 | Memory |

| 11 | Printer | 2 | Memory |

| 12 | Toner cartridge | 2 | Memory |

| 13 | DVD burner | 2 | Memory |

| 1 | Hard drive | 3 | ZIP drive |

| 2 | Memory | 3 | ZIP drive |

| 4 | Floppy disk | 3 | ZIP drive |

| 5 | Monitor | 3 | ZIP drive |

| 6 | DVD drive | 3 | ZIP drive |

| 7 | CD drive | 3 | ZIP drive |

| 8 | Printer | 3 | ZIP drive |

| 9 | Toner cartridge | 3 | ZIP drive |

| 10 | DVD burner | 3 | ZIP drive |

| 11 | Printer | 3 | ZIP drive |

| 12 | Toner cartridge | 3 | ZIP drive |

| 13 | DVD burner | 3 | ZIP drive |

| 1 | Hard drive | 4 | Floppy disk |

| 2 | Memory | 4 | Floppy disk |

| 3 | ZIP drive | 4 | Floppy disk |

| 5 | Monitor | 4 | Floppy disk |

| 6 | DVD drive | 4 | Floppy disk |

| 7 | CD drive | 4 | Floppy disk |

| 8 | Printer | 4 | Floppy disk |

| 9 | Toner cartridge | 4 | Floppy disk |

| 10 | DVD burner | 4 | Floppy disk |

| 11 | Printer | 4 | Floppy disk |

| 12 | Toner cartridge | 4 | Floppy disk |

| 13 | DVD burner | 4 | Floppy disk |

| 1 | Hard drive | 5 | Monitor |

| 2 | Memory | 5 | Monitor |

| 3 | ZIP drive | 5 | Monitor |

| 4 | Floppy disk | 5 | Monitor |

| 6 | DVD drive | 5 | Monitor |

| 7 | CD drive | 5 | Monitor |

| 8 | Printer | 5 | Monitor |

| 9 | Toner cartridge | 5 | Monitor |

| 10 | DVD burner | 5 | Monitor |

| 11 | Printer | 5 | Monitor |

| 12 | Toner cartridge | 5 | Monitor |

| 13 | DVD burner | 5 | Monitor |

| 1 | Hard drive | 6 | DVD drive |

| 2 | Memory | 6 | DVD drive |

| 3 | ZIP drive | 6 | DVD drive |

| 4 | Floppy disk | 6 | DVD drive |

| 5 | Monitor | 6 | DVD drive |

| 7 | CD drive | 6 | DVD drive |

| 8 | Printer | 6 | DVD drive |

| 9 | Toner cartridge | 6 | DVD drive |

| 10 | DVD burner | 6 | DVD drive |

| 11 | Printer | 6 | DVD drive |

| 12 | Toner cartridge | 6 | DVD drive |

| 13 | DVD burner | 6 | DVD drive |

| 1 | Hard drive | 7 | CD drive |

| 2 | Memory | 7 | CD drive |

| 3 | ZIP drive | 7 | CD drive |

| 4 | Floppy disk | 7 | CD drive |

| 5 | Monitor | 7 | CD drive |

| 6 | DVD drive | 7 | CD drive |

| 8 | Printer | 7 | CD drive |

| 9 | Toner cartridge | 7 | CD drive |

| 10 | DVD burner | 7 | CD drive |

| 11 | Printer | 7 | CD drive |

| 12 | Toner cartridge | 7 | CD drive |

| 13 | DVD burner | 7 | CD drive |

| 1 | Hard drive | 8 | Printer |

| 2 | Memory | 8 | Printer |

| 3 | ZIP drive | 8 | Printer |

| 4 | Floppy disk | 8 | Printer |

| 5 | Monitor | 8 | Printer |

| 6 | DVD drive | 8 | Printer |

| 7 | CD drive | 8 | Printer |

| 9 | Toner cartridge | 8 | Printer |

| 10 | DVD burner | 8 | Printer |

| 11 | Printer | 8 | Printer |

| 12 | Toner cartridge | 8 | Printer |

| 13 | DVD burner | 8 | Printer |

| 1 | Hard drive | 9 | Toner cartridge |

| 2 | Memory | 9 | Toner cartridge |

| 3 | ZIP drive | 9 | Toner cartridge |

| 4 | Floppy disk | 9 | Toner cartridge |

| 5 | Monitor | 9 | Toner cartridge |

| 6 | DVD drive | 9 | Toner cartridge |

| 7 | CD drive | 9 | Toner cartridge |

| 8 | Printer | 9 | Toner cartridge |

| 10 | DVD burner | 9 | Toner cartridge |

| 11 | Printer | 9 | Toner cartridge |

| 12 | Toner cartridge | 9 | Toner cartridge |

| 13 | DVD burner | 9 | Toner cartridge |

| 1 | Hard drive | 10 | DVD burner |

| 2 | Memory | 10 | DVD burner |

| 3 | ZIP drive | 10 | DVD burner |

| 4 | Floppy disk | 10 | DVD burner |

| 5 | Monitor | 10 | DVD burner |

| 6 | DVD drive | 10 | DVD burner |

| 7 | CD drive | 10 | DVD burner |

| 8 | Printer | 10 | DVD burner |

| 9 | Toner cartridge | 10 | DVD burner |

| 11 | Printer | 10 | DVD burner |

| 12 | Toner cartridge | 10 | DVD burner |

| 13 | DVD burner | 10 | DVD burner |

| 1 | Hard drive | 11 | Printer |

| 2 | Memory | 11 | Printer |

| 3 | ZIP drive | 11 | Printer |

| 4 | Floppy disk | 11 | Printer |

| 5 | Monitor | 11 | Printer |

| 6 | DVD drive | 11 | Printer |

| 7 | CD drive | 11 | Printer |

| 8 | Printer | 11 | Printer |

| 9 | Toner cartridge | 11 | Printer |

| 10 | DVD burner | 11 | Printer |

| 12 | Toner cartridge | 11 | Printer |

| 13 | DVD burner | 11 | Printer |

| 1 | Hard drive | 12 | Toner cartridge |

| 2 | Memory | 12 | Toner cartridge |

| 3 | ZIP drive | 12 | Toner cartridge |

| 4 | Floppy disk | 12 | Toner cartridge |

| 5 | Monitor | 12 | Toner cartridge |

| 6 | DVD drive | 12 | Toner cartridge |

| 7 | CD drive | 12 | Toner cartridge |

| 8 | Printer | 12 | Toner cartridge |

| 9 | Toner cartridge | 12 | Toner cartridge |

| 10 | DVD burner | 12 | Toner cartridge |

| 11 | Printer | 12 | Toner cartridge |

| 13 | DVD burner | 12 | Toner cartridge |

| 1 | Hard drive | 13 | DVD burner |

| 2 | Memory | 13 | DVD burner |

| 3 | ZIP drive | 13 | DVD burner |

| 4 | Floppy disk | 13 | DVD burner |

| 5 | Monitor | 13 | DVD burner |

| 6 | DVD drive | 13 | DVD burner |

| 7 | CD drive | 13 | DVD burner |

| 8 | Printer | 13 | DVD burner |

| 9 | Toner cartridge | 13 | DVD burner |

| 10 | DVD burner | 13 | DVD burner |

| 11 | Printer | 13 | DVD burner |

| 12 | Toner cartridge | 13 | DVD burner |

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

156 rows in set (0.00 sec)

MariaDB [csd2204]> SELECT P1.CODE, P1.NAME,P2.CODE,P2.NAME

-> FROM Products P1, Products P2

-> WHERE P1.CODE != P2.CODE;

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

| CODE | NAME | CODE | NAME |

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

| 2 | Memory | 1 | Hard drive |

| 3 | ZIP drive | 1 | Hard drive |

| 4 | Floppy disk | 1 | Hard drive |

| 5 | Monitor | 1 | Hard drive |

| 6 | DVD drive | 1 | Hard drive |

| 7 | CD drive | 1 | Hard drive |

| 8 | Printer | 1 | Hard drive |

| 9 | Toner cartridge | 1 | Hard drive |

| 10 | DVD burner | 1 | Hard drive |

| 11 | Printer | 1 | Hard drive |

| 12 | Toner cartridge | 1 | Hard drive |

| 13 | DVD burner | 1 | Hard drive |

| 1 | Hard drive | 2 | Memory |

| 3 | ZIP drive | 2 | Memory |

| 4 | Floppy disk | 2 | Memory |

| 5 | Monitor | 2 | Memory |

| 6 | DVD drive | 2 | Memory |

| 7 | CD drive | 2 | Memory |

| 8 | Printer | 2 | Memory |

| 9 | Toner cartridge | 2 | Memory |

| 10 | DVD burner | 2 | Memory |

| 11 | Printer | 2 | Memory |

| 12 | Toner cartridge | 2 | Memory |

| 13 | DVD burner | 2 | Memory |

| 1 | Hard drive | 3 | ZIP drive |

| 2 | Memory | 3 | ZIP drive |

| 4 | Floppy disk | 3 | ZIP drive |

| 5 | Monitor | 3 | ZIP drive |

| 6 | DVD drive | 3 | ZIP drive |

| 7 | CD drive | 3 | ZIP drive |

| 8 | Printer | 3 | ZIP drive |

| 9 | Toner cartridge | 3 | ZIP drive |

| 10 | DVD burner | 3 | ZIP drive |

| 11 | Printer | 3 | ZIP drive |

| 12 | Toner cartridge | 3 | ZIP drive |

| 13 | DVD burner | 3 | ZIP drive |

| 1 | Hard drive | 4 | Floppy disk |

| 2 | Memory | 4 | Floppy disk |

| 3 | ZIP drive | 4 | Floppy disk |

| 5 | Monitor | 4 | Floppy disk |

| 6 | DVD drive | 4 | Floppy disk |

| 7 | CD drive | 4 | Floppy disk |

| 8 | Printer | 4 | Floppy disk |

| 9 | Toner cartridge | 4 | Floppy disk |

| 10 | DVD burner | 4 | Floppy disk |

| 11 | Printer | 4 | Floppy disk |

| 12 | Toner cartridge | 4 | Floppy disk |

| 13 | DVD burner | 4 | Floppy disk |

| 1 | Hard drive | 5 | Monitor |

| 2 | Memory | 5 | Monitor |

| 3 | ZIP drive | 5 | Monitor |

| 4 | Floppy disk | 5 | Monitor |

| 6 | DVD drive | 5 | Monitor |

| 7 | CD drive | 5 | Monitor |

| 8 | Printer | 5 | Monitor |

| 9 | Toner cartridge | 5 | Monitor |

| 10 | DVD burner | 5 | Monitor |

| 11 | Printer | 5 | Monitor |

| 12 | Toner cartridge | 5 | Monitor |

| 13 | DVD burner | 5 | Monitor |

| 1 | Hard drive | 6 | DVD drive |

| 2 | Memory | 6 | DVD drive |

| 3 | ZIP drive | 6 | DVD drive |

| 4 | Floppy disk | 6 | DVD drive |

| 5 | Monitor | 6 | DVD drive |

| 7 | CD drive | 6 | DVD drive |

| 8 | Printer | 6 | DVD drive |

| 9 | Toner cartridge | 6 | DVD drive |

| 10 | DVD burner | 6 | DVD drive |

| 11 | Printer | 6 | DVD drive |

| 12 | Toner cartridge | 6 | DVD drive |

| 13 | DVD burner | 6 | DVD drive |

| 1 | Hard drive | 7 | CD drive |

| 2 | Memory | 7 | CD drive |

| 3 | ZIP drive | 7 | CD drive |

| 4 | Floppy disk | 7 | CD drive |

| 5 | Monitor | 7 | CD drive |

| 6 | DVD drive | 7 | CD drive |

| 8 | Printer | 7 | CD drive |

| 9 | Toner cartridge | 7 | CD drive |

| 10 | DVD burner | 7 | CD drive |

| 11 | Printer | 7 | CD drive |

| 12 | Toner cartridge | 7 | CD drive |

| 13 | DVD burner | 7 | CD drive |

| 1 | Hard drive | 8 | Printer |

| 2 | Memory | 8 | Printer |

| 3 | ZIP drive | 8 | Printer |

| 4 | Floppy disk | 8 | Printer |

| 5 | Monitor | 8 | Printer |

| 6 | DVD drive | 8 | Printer |

| 7 | CD drive | 8 | Printer |

| 9 | Toner cartridge | 8 | Printer |

| 10 | DVD burner | 8 | Printer |

| 11 | Printer | 8 | Printer |

| 12 | Toner cartridge | 8 | Printer |

| 13 | DVD burner | 8 | Printer |

| 1 | Hard drive | 9 | Toner cartridge |

| 2 | Memory | 9 | Toner cartridge |

| 3 | ZIP drive | 9 | Toner cartridge |

| 4 | Floppy disk | 9 | Toner cartridge |

| 5 | Monitor | 9 | Toner cartridge |

| 6 | DVD drive | 9 | Toner cartridge |

| 7 | CD drive | 9 | Toner cartridge |

| 8 | Printer | 9 | Toner cartridge |

| 10 | DVD burner | 9 | Toner cartridge |

| 11 | Printer | 9 | Toner cartridge |

| 12 | Toner cartridge | 9 | Toner cartridge |

| 13 | DVD burner | 9 | Toner cartridge |

| 1 | Hard drive | 10 | DVD burner |

| 2 | Memory | 10 | DVD burner |

| 3 | ZIP drive | 10 | DVD burner |

| 4 | Floppy disk | 10 | DVD burner |

| 5 | Monitor | 10 | DVD burner |

| 6 | DVD drive | 10 | DVD burner |

| 7 | CD drive | 10 | DVD burner |

| 8 | Printer | 10 | DVD burner |

| 9 | Toner cartridge | 10 | DVD burner |

| 11 | Printer | 10 | DVD burner |

| 12 | Toner cartridge | 10 | DVD burner |

| 13 | DVD burner | 10 | DVD burner |

| 1 | Hard drive | 11 | Printer |

| 2 | Memory | 11 | Printer |

| 3 | ZIP drive | 11 | Printer |

| 4 | Floppy disk | 11 | Printer |

| 5 | Monitor | 11 | Printer |

| 6 | DVD drive | 11 | Printer |

| 7 | CD drive | 11 | Printer |

| 8 | Printer | 11 | Printer |

| 9 | Toner cartridge | 11 | Printer |

| 10 | DVD burner | 11 | Printer |

| 12 | Toner cartridge | 11 | Printer |

| 13 | DVD burner | 11 | Printer |

| 1 | Hard drive | 12 | Toner cartridge |

| 2 | Memory | 12 | Toner cartridge |

| 3 | ZIP drive | 12 | Toner cartridge |

| 4 | Floppy disk | 12 | Toner cartridge |

| 5 | Monitor | 12 | Toner cartridge |

| 6 | DVD drive | 12 | Toner cartridge |

| 7 | CD drive | 12 | Toner cartridge |

| 8 | Printer | 12 | Toner cartridge |

| 9 | Toner cartridge | 12 | Toner cartridge |

| 10 | DVD burner | 12 | Toner cartridge |

| 11 | Printer | 12 | Toner cartridge |

| 13 | DVD burner | 12 | Toner cartridge |

| 1 | Hard drive | 13 | DVD burner |

| 2 | Memory | 13 | DVD burner |

| 3 | ZIP drive | 13 | DVD burner |

| 4 | Floppy disk | 13 | DVD burner |

| 5 | Monitor | 13 | DVD burner |

| 6 | DVD drive | 13 | DVD burner |

| 7 | CD drive | 13 | DVD burner |

| 8 | Printer | 13 | DVD burner |

| 9 | Toner cartridge | 13 | DVD burner |

| 10 | DVD burner | 13 | DVD burner |

| 11 | Printer | 13 | DVD burner |

| 12 | Toner cartridge | 13 | DVD burner |

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

156 rows in set (0.00 sec)

MariaDB [csd2204]> SELECT P1.CODE, P1.NAME,P2.CODE,P2.NAME

-> FROM Products P1, Products P2

-> WHERE P1.CODE >= P2.CODE;

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

| CODE | NAME | CODE | NAME |

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

| 1 | Hard drive | 1 | Hard drive |

| 2 | Memory | 1 | Hard drive |

| 2 | Memory | 2 | Memory |

| 3 | ZIP drive | 1 | Hard drive |

| 3 | ZIP drive | 2 | Memory |

| 3 | ZIP drive | 3 | ZIP drive |

| 4 | Floppy disk | 1 | Hard drive |

| 4 | Floppy disk | 2 | Memory |

| 4 | Floppy disk | 3 | ZIP drive |

| 4 | Floppy disk | 4 | Floppy disk |

| 5 | Monitor | 1 | Hard drive |

| 5 | Monitor | 2 | Memory |

| 5 | Monitor | 3 | ZIP drive |

| 5 | Monitor | 4 | Floppy disk |

| 5 | Monitor | 5 | Monitor |

| 6 | DVD drive | 1 | Hard drive |

| 6 | DVD drive | 2 | Memory |

| 6 | DVD drive | 3 | ZIP drive |

| 6 | DVD drive | 4 | Floppy disk |

| 6 | DVD drive | 5 | Monitor |

| 6 | DVD drive | 6 | DVD drive |

| 7 | CD drive | 1 | Hard drive |

| 7 | CD drive | 2 | Memory |

| 7 | CD drive | 3 | ZIP drive |

| 7 | CD drive | 4 | Floppy disk |

| 7 | CD drive | 5 | Monitor |

| 7 | CD drive | 6 | DVD drive |

| 7 | CD drive | 7 | CD drive |

| 8 | Printer | 1 | Hard drive |

| 8 | Printer | 2 | Memory |

| 8 | Printer | 3 | ZIP drive |

| 8 | Printer | 4 | Floppy disk |

| 8 | Printer | 5 | Monitor |

| 8 | Printer | 6 | DVD drive |

| 8 | Printer | 7 | CD drive |

| 8 | Printer | 8 | Printer |

| 9 | Toner cartridge | 1 | Hard drive |

| 9 | Toner cartridge | 2 | Memory |

| 9 | Toner cartridge | 3 | ZIP drive |

| 9 | Toner cartridge | 4 | Floppy disk |

| 9 | Toner cartridge | 5 | Monitor |

| 9 | Toner cartridge | 6 | DVD drive |

| 9 | Toner cartridge | 7 | CD drive |

| 9 | Toner cartridge | 8 | Printer |

| 9 | Toner cartridge | 9 | Toner cartridge |

| 10 | DVD burner | 1 | Hard drive |

| 10 | DVD burner | 2 | Memory |

| 10 | DVD burner | 3 | ZIP drive |

| 10 | DVD burner | 4 | Floppy disk |

| 10 | DVD burner | 5 | Monitor |

| 10 | DVD burner | 6 | DVD drive |

| 10 | DVD burner | 7 | CD drive |

| 10 | DVD burner | 8 | Printer |

| 10 | DVD burner | 9 | Toner cartridge |

| 10 | DVD burner | 10 | DVD burner |

| 11 | Printer | 1 | Hard drive |

| 11 | Printer | 2 | Memory |

| 11 | Printer | 3 | ZIP drive |

| 11 | Printer | 4 | Floppy disk |

| 11 | Printer | 5 | Monitor |

| 11 | Printer | 6 | DVD drive |

| 11 | Printer | 7 | CD drive |

| 11 | Printer | 8 | Printer |

| 11 | Printer | 9 | Toner cartridge |

| 11 | Printer | 10 | DVD burner |

| 11 | Printer | 11 | Printer |

| 12 | Toner cartridge | 1 | Hard drive |

| 12 | Toner cartridge | 2 | Memory |

| 12 | Toner cartridge | 3 | ZIP drive |

| 12 | Toner cartridge | 4 | Floppy disk |

| 12 | Toner cartridge | 5 | Monitor |

| 12 | Toner cartridge | 6 | DVD drive |

| 12 | Toner cartridge | 7 | CD drive |

| 12 | Toner cartridge | 8 | Printer |

| 12 | Toner cartridge | 9 | Toner cartridge |

| 12 | Toner cartridge | 10 | DVD burner |

| 12 | Toner cartridge | 11 | Printer |

| 12 | Toner cartridge | 12 | Toner cartridge |

| 13 | DVD burner | 1 | Hard drive |

| 13 | DVD burner | 2 | Memory |

| 13 | DVD burner | 3 | ZIP drive |

| 13 | DVD burner | 4 | Floppy disk |

| 13 | DVD burner | 5 | Monitor |

| 13 | DVD burner | 6 | DVD drive |

| 13 | DVD burner | 7 | CD drive |

| 13 | DVD burner | 8 | Printer |

| 13 | DVD burner | 9 | Toner cartridge |

| 13 | DVD burner | 10 | DVD burner |

| 13 | DVD burner | 11 | Printer |

| 13 | DVD burner | 12 | Toner cartridge |

| 13 | DVD burner | 13 | DVD burner |

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

91 rows in set (0.00 sec)

MariaDB [csd2204]> SELECT P1.CODE, P1.NAME,P2.CODE,P2.NAME

-> FROM Products P1, Products P2

-> WHERE P1.CODE = P2.CODE;

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

| CODE | NAME | CODE | NAME |

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

| 1 | Hard drive | 1 | Hard drive |

| 2 | Memory | 2 | Memory |

| 3 | ZIP drive | 3 | ZIP drive |

| 4 | Floppy disk | 4 | Floppy disk |

| 5 | Monitor | 5 | Monitor |

| 6 | DVD drive | 6 | DVD drive |

| 7 | CD drive | 7 | CD drive |

| 8 | Printer | 8 | Printer |

| 9 | Toner cartridge | 9 | Toner cartridge |

| 10 | DVD burner | 10 | DVD burner |

| 11 | Printer | 11 | Printer |

| 12 | Toner cartridge | 12 | Toner cartridge |

| 13 | DVD burner | 13 | DVD burner |

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

13 rows in set (0.00 sec)

MariaDB [csd2204]> create table pet(

-> name varchar(20),

-> owner varchar(20),

-> species varchar(20),

-> sex char(1),

-> birth date,

-> death date,

-> load data infile 'U:\Users\731816\Downloads\pet' into table pet;

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 'load data infile 'U:\Users\731816\Downloads\pet' into table pet' at line 8

MariaDB [csd2204]> load data infile 'U:\Users\731816\Downloads\pet.txt' into table pet;

ERROR 1146 (42S02): Table 'csd2204.pet' doesn't exist

MariaDB [csd2204]> create table pet(

-> name varchar(20),

-> owner varchar(20),

-> species varchar(20),

-> sex char(1),

-> birth date,

-> death date,

-> ;

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 7

MariaDB [csd2204]> create table pet(

-> name varchar(20),

-> owner varchar(20),

-> species varchar(20),

-> sex char(1),

-> birth date,

-> death date,

-> ;

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 7

MariaDB [csd2204]> create table pet(

-> name varchar(20),

-> owner varchar(20),

-> species varchar(20),

-> sex char(1),

-> birth date,

-> death date

-> ;

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 7

MariaDB [csd2204]> create table pet(

-> name varchar(20),

-> owner varchar(20),

-> species varchar(20),

-> sex char(1),

-> birth date,

-> death date);

Query OK, 0 rows affected (0.34 sec)

MariaDB [csd2204]> load data infile 'U:\Users\731816\Downloads\pet.txt' into table pet;

ERROR 29 (HY000): File 'U:\Users731816Downloadspet.txt' not found (Errcode: 2 "No such file or directory")

MariaDB [csd2204]> load data infile 'U:\Users\731816\Downloads\pet.txt' into table pet;

ERROR 29 (HY000): File 'U:\Users731816Downloadspet.txt' not found (Errcode: 2 "No such file or directory")

MariaDB [csd2204]> load data infile 'C:\xampp\pet.txt' into table pet;

ERROR 29 (HY000): File 'C:\xampp\mysql\data\xampppet.txt' not found (Errcode: 2 "No such file or directory")

MariaDB [csd2204]> load data infile 'C:/xampp/pet.txt' into table pet;

Query OK, 8 rows affected, 7 warnings (0.11 sec)

Records: 8 Deleted: 0 Skipped: 0 Warnings: 7

MariaDB [csd2204]> select \* from pet;

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

| name | owner | species | sex | birth | death |

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

| Fluffy | Harold | cat | f | 1993-02-04 | 0000-00-00 |

| Claws | Gwen | cat | m | 1994-03-17 | 0000-00-00 |

| Buffy | Harold | dog | f | 1989-05-13 | 0000-00-00 |

| Fang | Benny | dog | m | 1990-08-27 | 0000-00-00 |

| Bowser | Diane | dog | m | 1979-08-31 | 1995-07-29 |

| Chirpy | Gwen | bird | f | 1998-09-11 | 0000-00-00 |

| Whistler | Gwen | bird | | 1997-12-09 | 0000-00-00 |

| Slim | Benny | snake | m | 1996-04-29 | 0000-00-00 |

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

8 rows in set (0.00 sec)

MariaDB [csd2204]> select curdate();

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

| curdate() |

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

| 2018-01-16 |

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

1 row in set (0.00 sec)

MariaDB [csd2204]> select now();

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

| now() |

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

| 2018-01-16 10:17:02 |

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

1 row in set (0.00 sec)

MariaDB [csd2204]> select curdate(),now();

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

| curdate() | now() |

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

| 2018-01-16 | 2018-01-16 10:17:11 |

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

1 row in set (0.00 sec)

MariaDB [csd2204]> select name,timestampdiff(year,birth,curdate()) as age from pet;

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

| name | age |

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

| Fluffy | 24 |

| Claws | 23 |

| Buffy | 28 |

| Fang | 27 |

| Bowser | 38 |

| Chirpy | 19 |

| Whistler | 20 |

| Slim | 21 |

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

8 rows in set (0.00 sec)

MariaDB [csd2204]> select name,timestampdiff(year,birth,curdate()) as age from pet where age>23;

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

MariaDB [csd2204]> select name,timestampdiff(year,birth,curdate()) as age from pet where 'age'>23;

Empty set, 1 warning (0.00 sec)

MariaDB [csd2204]> select name,timestampdiff(year,birth,curdate()) as age from pet having age>23;

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

| name | age |

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

| Fluffy | 24 |

| Buffy | 28 |

| Fang | 27 |

| Bowser | 38 |

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

4 rows in set (0.00 sec)

MariaDB [csd2204]> adddate('2018-12-12',interval 5 minutes);

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 'adddate('2018-12-12',interval 5 minutes)' at line 1

MariaDB [csd2204]> SELECT ADDDATE('2008-05-15', INTERVAL 10 DAY) as required\_date;

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

| required\_date |

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

| 2008-05-25 |

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

1 row in set (0.00 sec)

MariaDB [csd2204]> SELECT ADDDATE('2008-05-15') as required\_date;

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 ') as required\_date' at line 1

MariaDB [csd2204]> SELECT DAYOFWEEK('2008-05-15');

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

| DAYOFWEEK('2008-05-15') |

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

| 5 |

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

1 row in set (0.00 sec)

MariaDB [csd2204]> SELECT TIMESTAMPADD(MONTH,2,'2009-05-18');

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

| TIMESTAMPADD(MONTH,2,'2009-05-18') |

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

| 2009-07-18 |

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

1 row in set (0.00 sec)

MariaDB [csd2204]> insert into pet(name) value('123');

Query OK, 1 row affected (0.07 sec)

MariaDB [csd2204]> insert into pet(name) value('ABC123');

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204]> select \* from pet;

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

| name | owner | species | sex | birth | death |

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

| Fluffy | Harold | cat | f | 1993-02-04 | 0000-00-00 |

| Claws | Gwen | cat | m | 1994-03-17 | 0000-00-00 |

| Buffy | Harold | dog | f | 1989-05-13 | 0000-00-00 |

| Fang | Benny | dog | m | 1990-08-27 | 0000-00-00 |

| Bowser | Diane | dog | m | 1979-08-31 | 1995-07-29 |

| Chirpy | Gwen | bird | f | 1998-09-11 | 0000-00-00 |

| Whistler | Gwen | bird | | 1997-12-09 | 0000-00-00 |

| Slim | Benny | snake | m | 1996-04-29 | 0000-00-00 |

| 123 | NULL | NULL | NULL | NULL | NULL |

| ABC123 | NULL | NULL | NULL | NULL | NULL |

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

10 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name regexp '^f';

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

| name | owner | species | sex | birth | death |

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

| Fluffy | Harold | cat | f | 1993-02-04 | 0000-00-00 |

| Fang | Benny | dog | m | 1990-08-27 | 0000-00-00 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name regexp 'f$';

Empty set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name regexp 'y$';

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

| name | owner | species | sex | birth | death |

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

| Fluffy | Harold | cat | f | 1993-02-04 | 0000-00-00 |

| Buffy | Harold | dog | f | 1989-05-13 | 0000-00-00 |

| Chirpy | Gwen | bird | f | 1998-09-11 | 0000-00-00 |

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

3 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name regexp '^fy$';

Empty set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name regexp 'fy$';

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

| name | owner | species | sex | birth | death |

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

| Fluffy | Harold | cat | f | 1993-02-04 | 0000-00-00 |

| Buffy | Harold | dog | f | 1989-05-13 | 0000-00-00 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name regexp 'fy';

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

| name | owner | species | sex | birth | death |

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

| Fluffy | Harold | cat | f | 1993-02-04 | 0000-00-00 |

| Buffy | Harold | dog | f | 1989-05-13 | 0000-00-00 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name regexp '.fy';

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

| name | owner | species | sex | birth | death |

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

| Fluffy | Harold | cat | f | 1993-02-04 | 0000-00-00 |

| Buffy | Harold | dog | f | 1989-05-13 | 0000-00-00 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name regexp '.fl';

Empty set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name regexp 'fl';

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

| name | owner | species | sex | birth | death |

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

| Fluffy | Harold | cat | f | 1993-02-04 | 0000-00-00 |

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

1 row in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name regexp '.....';

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

| name | owner | species | sex | birth | death |

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

| Fluffy | Harold | cat | f | 1993-02-04 | 0000-00-00 |

| Claws | Gwen | cat | m | 1994-03-17 | 0000-00-00 |

| Buffy | Harold | dog | f | 1989-05-13 | 0000-00-00 |

| Bowser | Diane | dog | m | 1979-08-31 | 1995-07-29 |

| Chirpy | Gwen | bird | f | 1998-09-11 | 0000-00-00 |

| Whistler | Gwen | bird | | 1997-12-09 | 0000-00-00 |

| ABC123 | NULL | NULL | NULL | NULL | NULL |

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

7 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name regexp '^.....$';

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

| name | owner | species | sex | birth | death |

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

| Claws | Gwen | cat | m | 1994-03-17 | 0000-00-00 |

| Buffy | Harold | dog | f | 1989-05-13 | 0000-00-00 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name regexp '^.{5}$';

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

| name | owner | species | sex | birth | death |

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

| Claws | Gwen | cat | m | 1994-03-17 | 0000-00-00 |

| Buffy | Harold | dog | f | 1989-05-13 | 0000-00-00 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike 'y$';

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

| name | owner | species | sex | birth | death |

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

| Fluffy | Harold | cat | f | 1993-02-04 | 0000-00-00 |

| Buffy | Harold | dog | f | 1989-05-13 | 0000-00-00 |

| Chirpy | Gwen | bird | f | 1998-09-11 | 0000-00-00 |

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

3 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '^Fy$ ';

Empty set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '^F%y$ ';

Empty set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '^F.\*y$ ';

Empty set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '^F,\*y$ ';

Empty set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '^F.\*y$';

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

| name | owner | species | sex | birth | death |

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

| Fluffy | Harold | cat | f | 1993-02-04 | 0000-00-00 |

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

1 row in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '^F\*';

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

| name | owner | species | sex | birth | death |

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

| Fluffy | Harold | cat | f | 1993-02-04 | 0000-00-00 |

| Claws | Gwen | cat | m | 1994-03-17 | 0000-00-00 |

| Buffy | Harold | dog | f | 1989-05-13 | 0000-00-00 |

| Fang | Benny | dog | m | 1990-08-27 | 0000-00-00 |

| Bowser | Diane | dog | m | 1979-08-31 | 1995-07-29 |

| Chirpy | Gwen | bird | f | 1998-09-11 | 0000-00-00 |

| Whistler | Gwen | bird | | 1997-12-09 | 0000-00-00 |

| Slim | Benny | snake | m | 1996-04-29 | 0000-00-00 |

| 123 | NULL | NULL | NULL | NULL | NULL |

| ABC123 | NULL | NULL | NULL | NULL | NULL |

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

10 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '^F.+y$';

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

| name | owner | species | sex | birth | death |

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

| Fluffy | Harold | cat | f | 1993-02-04 | 0000-00-00 |

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

1 row in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '[0-9]';

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

| name | owner | species | sex | birth | death |

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

| 123 | NULL | NULL | NULL | NULL | NULL |

| ABC123 | NULL | NULL | NULL | NULL | NULL |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '[a-z].\*[0-9]';

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

| name | owner | species | sex | birth | death |

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

| ABC123 | NULL | NULL | NULL | NULL | NULL |

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

1 row in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '^[a-z].\*[0-9]$';

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

| name | owner | species | sex | birth | death |

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

| ABC123 | NULL | NULL | NULL | NULL | NULL |

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

1 row in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '^[0-9]$';

Empty set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '^[0-9].\*[0-5]$';

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

| name | owner | species | sex | birth | death |

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

| 123 | NULL | NULL | NULL | NULL | NULL |

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

1 row in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '^[0-9]+$';

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

| name | owner | species | sex | birth | death |

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

| 123 | NULL | NULL | NULL | NULL | NULL |

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

1 row in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '^w.\*r$';

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

| name | owner | species | sex | birth | death |

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

| Whistler | Gwen | bird | | 1997-12-09 | 0000-00-00 |

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

1 row in set (0.02 sec)

MariaDB [csd2204]> select \* from pet where name rlike '^w+r$';

Empty set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '^w.+r$';

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

| name | owner | species | sex | birth | death |

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

| Whistler | Gwen | bird | | 1997-12-09 | 0000-00-00 |

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

1 row in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '.h.\*';

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

| name | owner | species | sex | birth | death |

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

| Chirpy | Gwen | bird | f | 1998-09-11 | 0000-00-00 |

| Whistler | Gwen | bird | | 1997-12-09 | 0000-00-00 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '.h';

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

| name | owner | species | sex | birth | death |

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

| Chirpy | Gwen | bird | f | 1998-09-11 | 0000-00-00 |

| Whistler | Gwen | bird | | 1997-12-09 | 0000-00-00 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> insert into pet(name) values('h123');

Query OK, 1 row affected (0.09 sec)

MariaDB [csd2204]> select \* from pet where name rlike '.h[a-z]';

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

| name | owner | species | sex | birth | death |

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

| Chirpy | Gwen | bird | f | 1998-09-11 | 0000-00-00 |

| Whistler | Gwen | bird | | 1997-12-09 | 0000-00-00 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '.h';

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

| name | owner | species | sex | birth | death |

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

| Chirpy | Gwen | bird | f | 1998-09-11 | 0000-00-00 |

| Whistler | Gwen | bird | | 1997-12-09 | 0000-00-00 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from pet;

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

| name | owner | species | sex | birth | death |

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

| Fluffy | Harold | cat | f | 1993-02-04 | 0000-00-00 |

| Claws | Gwen | cat | m | 1994-03-17 | 0000-00-00 |

| Buffy | Harold | dog | f | 1989-05-13 | 0000-00-00 |

| Fang | Benny | dog | m | 1990-08-27 | 0000-00-00 |

| Bowser | Diane | dog | m | 1979-08-31 | 1995-07-29 |

| Chirpy | Gwen | bird | f | 1998-09-11 | 0000-00-00 |

| Whistler | Gwen | bird | | 1997-12-09 | 0000-00-00 |

| Slim | Benny | snake | m | 1996-04-29 | 0000-00-00 |

| 123 | NULL | NULL | NULL | NULL | NULL |

| ABC123 | NULL | NULL | NULL | NULL | NULL |

| h123 | NULL | NULL | NULL | NULL | NULL |

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

11 rows in set (0.00 sec)

MariaDB [csd2204]> insert into pet(name) values('ah123');

Query OK, 1 row affected (0.08 sec)

MariaDB [csd2204]> select \* from pet where name rlike '.h[a-z]';

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

| name | owner | species | sex | birth | death |

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

| Chirpy | Gwen | bird | f | 1998-09-11 | 0000-00-00 |

| Whistler | Gwen | bird | | 1997-12-09 | 0000-00-00 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '.h';

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

| name | owner | species | sex | birth | death |

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

| Chirpy | Gwen | bird | f | 1998-09-11 | 0000-00-00 |

| Whistler | Gwen | bird | | 1997-12-09 | 0000-00-00 |

| ah123 | NULL | NULL | NULL | NULL | NULL |

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

3 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '.h[a-z]+';

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

| name | owner | species | sex | birth | death |

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

| Chirpy | Gwen | bird | f | 1998-09-11 | 0000-00-00 |

| Whistler | Gwen | bird | | 1997-12-09 | 0000-00-00 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '.h[a-z]\*';

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

| name | owner | species | sex | birth | death |

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

| Chirpy | Gwen | bird | f | 1998-09-11 | 0000-00-00 |

| Whistler | Gwen | bird | | 1997-12-09 | 0000-00-00 |

| ah123 | NULL | NULL | NULL | NULL | NULL |

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

3 rows in set (0.02 sec)

MariaDB [csd2204]> select \* from pet where name rlike '.h[^0-9]';

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

| name | owner | species | sex | birth | death |

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

| Chirpy | Gwen | bird | f | 1998-09-11 | 0000-00-00 |

| Whistler | Gwen | bird | | 1997-12-09 | 0000-00-00 |

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

2 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '.h[^a-z]';

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

| name | owner | species | sex | birth | death |

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

| ah123 | NULL | NULL | NULL | NULL | NULL |

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

1 row in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '[^0-9]';

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

| name | owner | species | sex | birth | death |

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

| Fluffy | Harold | cat | f | 1993-02-04 | 0000-00-00 |

| Claws | Gwen | cat | m | 1994-03-17 | 0000-00-00 |

| Buffy | Harold | dog | f | 1989-05-13 | 0000-00-00 |

| Fang | Benny | dog | m | 1990-08-27 | 0000-00-00 |

| Bowser | Diane | dog | m | 1979-08-31 | 1995-07-29 |

| Chirpy | Gwen | bird | f | 1998-09-11 | 0000-00-00 |

| Whistler | Gwen | bird | | 1997-12-09 | 0000-00-00 |

| Slim | Benny | snake | m | 1996-04-29 | 0000-00-00 |

| ABC123 | NULL | NULL | NULL | NULL | NULL |

| h123 | NULL | NULL | NULL | NULL | NULL |

| ah123 | NULL | NULL | NULL | NULL | NULL |

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

11 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '[^0-9]{2}';

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

| name | owner | species | sex | birth | death |

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

| Fluffy | Harold | cat | f | 1993-02-04 | 0000-00-00 |

| Claws | Gwen | cat | m | 1994-03-17 | 0000-00-00 |

| Buffy | Harold | dog | f | 1989-05-13 | 0000-00-00 |

| Fang | Benny | dog | m | 1990-08-27 | 0000-00-00 |

| Bowser | Diane | dog | m | 1979-08-31 | 1995-07-29 |

| Chirpy | Gwen | bird | f | 1998-09-11 | 0000-00-00 |

| Whistler | Gwen | bird | | 1997-12-09 | 0000-00-00 |

| Slim | Benny | snake | m | 1996-04-29 | 0000-00-00 |

| ABC123 | NULL | NULL | NULL | NULL | NULL |

| ah123 | NULL | NULL | NULL | NULL | NULL |

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

10 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '[^0-9]{2}$';

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

| name | owner | species | sex | birth | death |

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

| Fluffy | Harold | cat | f | 1993-02-04 | 0000-00-00 |

| Claws | Gwen | cat | m | 1994-03-17 | 0000-00-00 |

| Buffy | Harold | dog | f | 1989-05-13 | 0000-00-00 |

| Fang | Benny | dog | m | 1990-08-27 | 0000-00-00 |

| Bowser | Diane | dog | m | 1979-08-31 | 1995-07-29 |

| Chirpy | Gwen | bird | f | 1998-09-11 | 0000-00-00 |

| Whistler | Gwen | bird | | 1997-12-09 | 0000-00-00 |

| Slim | Benny | snake | m | 1996-04-29 | 0000-00-00 |

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

8 rows in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '^[^0-9]{2}$';

Empty set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '^[0-9]{2}$';

Empty set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '^[0-9]{3}$';

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

| name | owner | species | sex | birth | death |

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

| 123 | NULL | NULL | NULL | NULL | NULL |

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

1 row in set (0.00 sec)

MariaDB [csd2204]> select \* from pet where name rlike '^[0-9]{2}';

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

| name | owner | species | sex | birth | death |

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

| 123 | NULL | NULL | NULL | NULL | NULL |

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

1 row in set (0.00 sec)

MariaDB [csd2204]>