Setting environment for using XAMPP for Windows.

726583@128-IMAC28 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 4

Server version: 10.1.21-MariaDB mariadb.org binary distribution

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

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

MariaDB [(none)]> tee c:/xampp/day7log.txt

Logging to file 'c:/xampp/day7log.txt'

MariaDB [(none)]> show databases;

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

| Database |

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

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| test |

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

5 rows in set (0.02 sec)

MariaDB [(none)]> create database csd2204w18;

Query OK, 1 row affected (0.03 sec)

MariaDB [(none)]> use csd2204w18;

Database changed

MariaDB [csd2204w18]> REATE TABLE manu(

-> Code INTEGER(3) AUTO\_INCREMENT ,

-> Name VARCHAR(50) NOT NULL,

-> CONSTRAINT PK\_MANU PRIMARY KEY (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 'REATE TABLE manu(

Code INTEGER(3) AUTO\_INCREMENT ,

Name VARCHAR(50) NOT NULL,

CO' at line 1

MariaDB [csd2204w18]> CREATE TABLE manu(Code INTEGER(3) AUTO\_INCREMENT, Name VARCHAR(50) NOT NULL,CONSTRAINT PK\_MANU PRIMARY KEY (CODE));

Query OK, 0 rows affected (0.75 sec)

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

Query OK, 1 row affected (0.19 sec)

MariaDB [csd2204w18]>

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

Query OK, 1 row affected (0.05 sec)

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

Query OK, 1 row affected (0.06 sec)

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

Query OK, 1 row affected (0.08 sec)

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

Query OK, 1 row affected (0.16 sec)

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

-> ;

Query OK, 1 row affected (0.06 sec)

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

Query OK, 1 row affected (0.09 sec)

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

Query OK, 1 row affected (0.14 sec)

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

Query OK, 1 row affected (0.27 sec)

MariaDB [csd2204w18]> CREATE TABLE Products(Code INTEGER(3) AUTO\_INCREMENT,Name VARCHAR(255) NOT NULL ,Price DECIMAL NOT NULL ,Manufacturer INTEGER(3),CONSTRAINT PK\_PRODUCTS PRIMARY KEY (Code),CONSTRAINT FK\_PRODUCTS FOREIGN KEY (Manufacturer) REFERENCES manu(Code));

Query OK, 0 rows affected (1.22 sec)

MariaDB [csd2204w18]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Hard drive',240,5);

Query OK, 1 row affected (0.11 sec)

MariaDB [csd2204w18]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Memory',120,6);

Query OK, 1 row affected (0.06 sec)

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

Query OK, 1 row affected (0.30 sec)

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

Query OK, 1 row affected (0.27 sec)

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

Query OK, 1 row affected (0.11 sec)

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

Query OK, 1 row affected (0.22 sec)

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

Query OK, 1 row affected (0.23 sec)

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

Query OK, 1 row affected (0.09 sec)

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

Query OK, 1 row affected (0.23 sec)

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

Query OK, 1 row affected (0.20 sec)

MariaDB [csd2204w18]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Printer',40.00,7);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Toner cartridge',54.00,7);

Query OK, 1 row affected (0.31 sec)

MariaDB [csd2204w18]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('DVD burner',78.00,7);

Query OK, 1 row affected (0.56 sec)

MariaDB [csd2204w18]> select \* from table manu;

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 'table manu' at line 1

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

MariaDB [csd2204w18]> 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 [csd2204w18]> 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 [csd2204w18]> 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 [csd2204w18]> 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 [csd2204w18]> SELECT COUNT(\*),manufacturer,NAME FROM products as p INNER JOIN manu m ON M.CODE = P.MANUFACTURER GROUP BY MANUFACTURER;

ERROR 1052 (23000): Column 'NAME' in field list is ambiguous

MariaDB [csd2204w18]> SELECT COUNT(\*),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 [csd2204w18]> 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 [csd2204w18]> 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 |

| 1 | 5 | Fujitsu |

| 2 | 6 | Winchester |

| 3 | 7 | moxDroid Labs Inc |

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

6 rows in set (0.00 sec)

MariaDB [csd2204w18]> SELECT COUNT(\*),p.manufacturer,m.name

-> FROM products as p

-> inner join manu m

-> ON m.code=p.manufacturer

-> GROUP BY manufacturer having manufacturer = 2;

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

| COUNT(\*) | manufacturer | name |

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

| 3 | 2 | Creative Labs |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> 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 (0.02 sec)

MariaDB [csd2204w18]> 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;

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

-> inner join manu m

-> ON m.code=p.manufacturer

GR' at line 2

MariaDB [csd2204w18]> SELECT COUNT(\*),p.manufacturer,m.name

-> -> FROM products as p

-> -> inner join manu m

-> -> ON m.code=p.manufacturer

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

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

-> inner join manu m

-> ON m.code=p.manufacturer

' at line 2

MariaDB [csd2204w18]> SELECT 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);

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

| manufacturer | name |

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

| 2 | Creative Labs |

| 3 | Hewlett-Packard |

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

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> SELECT p.manufacturer,m.name from products as 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 [csd2204w18]> SELECT p.manufacturer,m.name from products as p inner join manu m on m.code=p.manufacturer group by code having m.code in (2,3);

ERROR 1052 (23000): Column 'code' in group statement is ambiguous

MariaDB [csd2204w18]> SELECT p.manufacturer,m.name from products as p inner join manu m on m.code=p.manufacturer group by code having p.code in (2,3);

ERROR 1052 (23000): Column 'code' in group statement is ambiguous

MariaDB [csd2204w18]> SELECT p.manufacturer,m.name from products as p inner join manu m on m.code=p.manufacturer group by code having m.code in (2,3);

ERROR 1052 (23000): Column 'code' in group statement is ambiguous

MariaDB [csd2204w18]> SELECT p.manufacturer,m.name from products as p inner join manu m on m.code=p.manufacturer group by manufacturer having manu.code in (2,3);

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

MariaDB [csd2204w18]>

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> SELECT PRODUCTS.CODE, PRODUCTS.NAME, MANU.NAME

-> FROM MANU

-> LEFT 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 [csd2204w18]> SELECT PRODUCTS.CODE, PRODUCTS.NAME, MANU.NAME

-> FROM PRODUCTS

-> LEFT 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 [csd2204w18]> SELECT PRODUCTS.CODE, PRODUCTS.NAME, MANU.NAME

-> FROM PRODUCTS

-> LEFT JOIN MANU

-> ON PRODUCTS.manufacturer = MANU.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 (0.02 sec)

MariaDB [csd2204w18]> SELECT PRODUCTS.CODE, PRODUCTS.NAME, MANU.NAME

-> FROM PRODUCTS

-> LEFT JOIN MANU

-> ON manu.CODE = products.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 [csd2204w18]> SELECT PRODUCTS.CODE, PRODUCTS.NAME, MANU.NAME

-> FROM PRODUCTS

-> LEFT JOIN MANU

-> ON manu.CODE = products.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 [csd2204w18]> SELECT PRODUCTS.CODE, PRODUCTS.NAME, MANU.NAME

-> FROM PRODUCTS

-> LEFT JOIN MANU

-> ;

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 3

MariaDB [csd2204w18]> SELECT PRODUCTS.CODE, PRODUCTS.NAME, MANU.NAME

-> -> FROM PRODUCTS

-> -> LEFT JOIN MANU

-> -> LEFT JOIN MANU;

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

-> LEFT JOIN MANU

-> LEFT JOIN MANU' at line 2

MariaDB [csd2204w18]> SELECT PRODUCTS.CODE, PRODUCTS.NAME, MANU.NAME from manu left join products on manu.code = products.manufacturers;

ERROR 1054 (42S22): Unknown column 'products.manufacturers' in 'on clause'

MariaDB [csd2204w18]> SELECT PRODUCTS.CODE, PRODUCTS.NAME, MANU.NAME from manu left join products on p.manufacturer = m.code;

ERROR 1054 (42S22): Unknown column 'p.manufacturer' in 'on clause'

MariaDB [csd2204w18]> SELECT PRODUCTS.CODE, PRODUCTS.NAME, MANU.NAME from manu left join products on products.manufacturer = manu.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 [csd2204w18]> SELECT PRODUCTS.CODE, PRODUCTS.NAME, MANU.NAME

-> FROM MANU

-> RIGHT 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 |

| 10 | DVD burner | NULL |

| 11 | Printer | NULL |

| 12 | Toner cartridge | NULL |

| 13 | DVD burner | NULL |

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

13 rows in set (0.00 sec)

MariaDB [csd2204w18]> 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 |

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

9 rows in set (0.00 sec)

MariaDB [csd2204w18]> SELECT PRODUCTS.CODE, PRODUCTS.NAME, MANU.NAME

-> FROM PRODUCTS

-> RIGHT JOIN MANU

-> ON manu.CODE = product.manufacturer;

ERROR 1054 (42S22): Unknown column 'product.manufacturer' in 'on clause'

MariaDB [csd2204w18]> SELECT PRODUCTS.CODE, PRODUCTS.NAME, from manu right join products on manu.code = product.manufacturer;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'from manu right join products on manu.code = product.manufacturer' at line 1

MariaDB [csd2204w18]> SELECT PRODUCTS.CODE, PRODUCTS.NAME, from manu right join products on manu.code = products.manufacturer;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'from manu right join products on manu.code = products.manufacturer' at line 1

MariaDB [csd2204w18]> SELECT PRODUCTS.CODE, PRODUCTS.NAME,manu.name from products right join manu on manu.code = products.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 [csd2204w18]> SELECT PRODUCTS.CODE, PRODUCTS.NAME,manu.name from products right join manu on manu.code = products.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 [csd2204w18]> 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 [csd2204w18]> 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 [csd2204w18]> SELECT P1.CODE, P1.NAME, P2.NAME

-> -> FROM Products P1, Products P2

-> -> WHERE P1.CODE = P2.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 '> FROM Products P1, Products P2

-> WHERE P1.CODE = P2.CODE' at line 2

MariaDB [csd2204w18]> Bye

726583@128-IMAC28 c:\xampp

# SELECT P1.CODE, P1.NAME, P2.NAME

'SELECT' is not recognized as an internal or external command,

operable program or batch file.

726583@128-IMAC28 c:\xampp

# -> FROM Products P1, Products P2

'-' is not recognized as an internal or external command,

operable program or batch file.

726583@128-IMAC28 c:\xampp

# mysql -u -root -p

Enter password:

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

Your MariaDB connection id is 5

Server version: 10.1.21-MariaDB mariadb.org binary distribution

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

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

MariaDB [(none)]> show databases;

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

| Database |

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

| information\_schema |

| test |

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

2 rows in set (0.00 sec)

MariaDB [(none)]> show database;

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 'database' at line 1

MariaDB [(none)]> show databases;

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

| Database |

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

| information\_schema |

| test |

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

2 rows in set (0.00 sec)

MariaDB [(none)]> create database csd2204w18;

ERROR 1044 (42000): Access denied for user ''@'localhost' to database 'csd2204w18'

MariaDB [(none)]> show databases;

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

| Database |

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

| information\_schema |

| test |

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

2 rows in set (0.00 sec)

MariaDB [(none)]> ^XBye

726583@128-IMAC28 c:\xampp

# mysql -u -root -p

Enter password:

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

Your MariaDB connection id is 6

Server version: 10.1.21-MariaDB mariadb.org binary distribution

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

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

MariaDB [(none)]> tee c:/xampp/day7log.txt

Logging to file 'c:/xampp/day7log.txt'

MariaDB [(none)]> show databases;

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

| Database |

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

| information\_schema |

| test |

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

2 rows in set (0.00 sec)

MariaDB [(none)]> create database csd2204w18;

ERROR 1044 (42000): Access denied for user ''@'localhost' to database 'csd2204w18'

MariaDB [(none)]> use csd2204w18;

ERROR 1044 (42000): Access denied for user ''@'localhost' to database 'csd2204w18'

MariaDB [(none)]> exit

Bye

726583@128-IMAC28 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 7

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)]> tee c:/xampp/day7log.txt

Logging to file 'c:/xampp/day7log.txt'

MariaDB [(none)]> show databases;

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

| Database |

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

| csd2204w18 |

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| test |

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

6 rows in set (0.00 sec)

MariaDB [(none)]> create database csd2204w18;

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

MariaDB [(none)]> use csd2204w18;

Database changed

MariaDB [csd2204w18]> create table pet(name varchar(20), owner varchar(20),species varchar(20),sex char(1), birthdate date, deathdate date);

Query OK, 0 rows affected (0.53 sec)

MariaDB [csd2204w18]> load data infile 'U:\Users\726583\Downloads/pet.txt' into table pet;

ERROR 29 (HY000): File 'U:\Users726583Downloads\pet.txt' not found (Errcode: 2 "No such file or directory")

MariaDB [csd2204w18]> load data infile 'U:\Users\726583\Downloads\pet.txt' into table pet;

ERROR 29 (HY000): File 'U:\Users726583Downloadspet.txt' not found (Errcode: 2 "No such file or directory")

MariaDB [csd2204w18]> load data infile 'U:/Users/726583/Downloads/pet.txt' into table pet;

Query OK, 8 rows affected, 7 warnings (0.05 sec)

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

MariaDB [csd2204w18]> select \* from pet;

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

| name | owner | species | sex | birthdate | deathdate |

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

| 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 [csd2204w18]> select curdate();

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

| curdate() |

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

| 2018-01-16 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select now();

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

| now() |

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

| 2018-01-16 10:17:03 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select name,timestampdiff(year,birth,curdate()) as age from pet;

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

MariaDB [csd2204w18]> select name,timestampdiff(year,birthdate,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 [csd2204w18]> select name,timestampdiff(year,birthdate,curdate()) as age from pet where pet.age > 23;;

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

ERROR: No query specified

MariaDB [csd2204w18]> select name,timestampdiff(year,birthdate,curdate()) as age from pet where pet.age > 23;

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

MariaDB [csd2204w18]> select name,timestampdiff(year,birthdate,curdate()) as age from pet having pet.age > 23;

ERROR 1054 (42S22): Unknown column 'pet.age' in 'having clause'

MariaDB [csd2204w18]> select name,timestampdiff(year,birthdate,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 [csd2204w18]> select ADDDATE();

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]> ADDDATE();

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()' at line 1

MariaDB [csd2204w18]> SELECT ADDDATE('2008-05-15', INTERVAL 10 DAY) as required\_date;

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

| required\_date |

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

| 2008-05-25 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> SELECT CURRENT\_DATE;

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

| CURRENT\_DATE |

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

| 2018-01-16 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> SELECT YEARWEEK('2009-05-18');

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

| YEARWEEK('2009-05-18') |

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

| 200920 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> SELECT UTC\_TIMESTAMP,UTC\_TIMESTAMP();

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

| UTC\_TIMESTAMP | UTC\_TIMESTAMP() |

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

| 2018-01-16 15:30:52 | 2018-01-16 15:30:52 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> SELECT UNIX\_TIMESTAMP();

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

| UNIX\_TIMESTAMP() |

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

| 1516116803 |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> SELECT DAYNAME('2008-05-15');

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

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

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

| Thursday |

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> insert into table pet values(123);

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 'table pet values(123)' at line 1

MariaDB [csd2204w18]> insert into table pet values('abc123');

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 'table pet values('abc123')' at line 1

MariaDB [csd2204w18]> insert into table pet(name) values('abc123');

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 'table pet(name) values('abc123')' at line 1

MariaDB [csd2204w18]> insert into table pet(name) value('abc123');

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 'table pet(name) value('abc123')' at line 1

MariaDB [csd2204w18]> insert into table pet(name) value ('abc123');

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 'table pet(name) value ('abc123')' at line 1

MariaDB [csd2204w18]>

MariaDB [csd2204w18]>

MariaDB [csd2204w18]>

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> insert into table pet(name) value ('abc123');

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 'table pet(name) value ('abc123')' at line 1

MariaDB [csd2204w18]> insert into pet(name) value ('abc123');

Query OK, 1 row affected (0.05 sec)

MariaDB [csd2204w18]> insert into pet(name) value ('123');

Query OK, 1 row affected (0.06 sec)

MariaDB [csd2204w18]> select \* from pet;

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

| name | owner | species | sex | birthdate | deathdate |

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

| 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 |

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

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

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \*from pet where regexp '^f';

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 'regexp '^f'' at line 1

MariaDB [csd2204w18]> select \* from pet where name regexp '^f';

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

| name | owner | species | sex | birthdate | deathdate |

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

| 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 [csd2204w18]> select \* from pet where name regexp 'y$';

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

| name | owner | species | sex | birthdate | deathdate |

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

| 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 [csd2204w18]> select \* from pet where name regexp 'g$';

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

| name | owner | species | sex | birthdate | deathdate |

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

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

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select \* from pet where name rlike 'y$';

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

| name | owner | species | sex | birthdate | deathdate |

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

| 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 [csd2204w18]> select \* from pet where name regexp 'f^y$';

Empty set (0.00 sec)

MariaDB [csd2204w18]> select \* from pet where name regexp '^fy$';

Empty set (0.01 sec)

MariaDB [csd2204w18]> select \* from pet where name regexp '^f.\*y$';

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

| name | owner | species | sex | birthdate | deathdate |

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

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

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select \* from pet where name regexp '[0-9]';

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

| name | owner | species | sex | birthdate | deathdate |

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

| abc123 | NULL | NULL | NULL | NULL | NULL |

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

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

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from pet;

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

| name | owner | species | sex | birthdate | deathdate |

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

| 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 |

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

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

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from pet where name regexp '^[0-9]$';

Empty set (0.00 sec)

MariaDB [csd2204w18]> select \* from pet where name regexp '^0.\*9$';

Empty set (0.00 sec)

MariaDB [csd2204w18]> select \* from pet where name regexp '^[0-9]+$';

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

| name | owner | species | sex | birthdate | deathdate |

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

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

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

1 row in set (0.01 sec)

MariaDB [csd2204w18]> Bye

726583@128-IMAC28 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 8

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

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

| name | owner | species | sex | birthdate | deathdate |

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

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

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select \* from pet where name regexp '--h';

Empty set (0.00 sec)

MariaDB [csd2204w18]> select \* from pet where name regexp '.h';

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

| name | owner | species | sex | birthdate | deathdate |

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

| 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 [csd2204w18]> insert into pet(name) value ('ah123');

Query OK, 1 row affected (0.12 sec)

MariaDB [csd2204w18]> select \* from pet where name regexp '.h';

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

| name | owner | species | sex | birthdate | deathdate |

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

| 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 [csd2204w18]> select \* from pet where name regexp '.h[a-z]+';

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

| name | owner | species | sex | birthdate | deathdate |

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

| 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 [csd2204w18]> select \* from pet where name regexp '.h[0-9]+';

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

| name | owner | species | sex | birthdate | deathdate |

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

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

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select \* from pet where name regexp '.h[^0-9]+';

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

| name | owner | species | sex | birthdate | deathdate |

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

| 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 [csd2204w18]> select \* from pet where name regexp '.h[^a-z]+';

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

| name | owner | species | sex | birthdate | deathdate |

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

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

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select \* from pet where name regexp '[^0-9]{2}';

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

| name | owner | species | sex | birthdate | deathdate |

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

| 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 [csd2204w18]> select \* from pet where name regexp '[^0-9]{3}';

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

| name | owner | species | sex | birthdate | deathdate |

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

| 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 |

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

9 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from pet where name regexp '^[0-9]{3}';

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

| name | owner | species | sex | birthdate | deathdate |

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

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

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select \* from pet where name regexp '^[0-9]{2}';

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

| name | owner | species | sex | birthdate | deathdate |

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

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

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select \* from pet where name regexp '^[0-9]{2}$';

Empty set (0.00 sec)

MariaDB [csd2204w18]> select \* from pet where name regexp '^[0-9]{3}$';

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

| name | owner | species | sex | birthdate | deathdate |

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

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

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

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select \* from pet where name regexp '^[0-9]{2}$';

Empty set (0.00 sec)