Setting environment for using XAMPP for Windows.

728699@128-IMAC12 c:\xampp

# mysql -u root -p

Enter password:

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

Your MariaDB connection id is 3

Server version: 10.1.21-MariaDB mariadb.org binary distribution

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

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

MariaDB [(none)]> create database csd\_2204\_join;

Query OK, 1 row affected (0.02 sec)

MariaDB [(none)]> use csd\_2204\_join;

Database changed

MariaDB [csd\_2204\_join]> CREATE TABLE manu(

-> Code INTEGER(3) AUTO\_INCREMENT ,

-> Name VARCHAR(50) NOT NULL,

-> CONSTRAINT PK\_MANU PRIMARY KEY (CODE)

-> );

Query OK, 0 rows affected (0.53 sec)

MariaDB [csd\_2204\_join]> INSERT INTO manu(Name) VALUES('Sony');

Query OK, 1 row affected (0.09 sec)

MariaDB [csd\_2204\_join]> INSERT INTO manu(Name) VALUES('Creative Labs');

Query OK, 1 row affected (0.08 sec)

MariaDB [csd\_2204\_join]> INSERT INTO manu(Name) VALUES('Hewlett-Packard');

Query OK, 1 row affected (0.09 sec)

MariaDB [csd\_2204\_join]> INSERT INTO manu(Name) VALUES('Iomega');

Query OK, 1 row affected (0.05 sec)

MariaDB [csd\_2204\_join]> INSERT INTO manu(Name) VALUES('Fujitsu');

Query OK, 1 row affected (0.06 sec)

MariaDB [csd\_2204\_join]> INSERT INTO manu(Name) VALUES('Winchester');

Query OK, 1 row affected (0.01 sec)

MariaDB [csd\_2204\_join]> INSERT INTO manu(Name) VALUES('moxDroid Labs Inc');

Query OK, 1 row affected (0.05 sec)

MariaDB [csd\_2204\_join]> INSERT INTO manu(Name) VALUES("Dell");

Query OK, 1 row affected (0.05 sec)

MariaDB [csd\_2204\_join]> INSERT INTO manu(Name) VALUES("Bell Labs");

Query OK, 1 row affected (0.05 sec)

MariaDB [csd\_2204\_join]> 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 (0.52 sec)

MariaDB [csd\_2204\_join]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Hard drive',240,5);

Query OK, 1 row affected (0.08 sec)

MariaDB [csd\_2204\_join]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Memory',120,6);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd\_2204\_join]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('ZIP drive',150,4);

Query OK, 1 row affected (0.16 sec)

MariaDB [csd\_2204\_join]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Floppy disk',5,6);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd\_2204\_join]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Monitor',240,1);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd\_2204\_join]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('DVD drive',180,2);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd\_2204\_join]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('CD drive',90,2);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd\_2204\_join]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Printer',270,3);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd\_2204\_join]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Toner cartridge',66,3);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd\_2204\_join]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('DVD burner',180,2);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd\_2204\_join]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Printer',40.00,7);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd\_2204\_join]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('Toner cartridge',54.00,7);

Query OK, 1 row affected (0.06 sec)

MariaDB [csd\_2204\_join]> INSERT INTO Products(Name,Price,Manufacturer) VALUES('DVD burner',78.00,7);

Query OK, 1 row affected (0.75 sec)

MariaDB [csd\_2204\_join]> 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 [csd\_2204\_join]> 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 [csd\_2204\_join]> 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 [csd\_2204\_join]> 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 [csd\_2204\_join]> 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 [csd\_2204\_join]> select product.code,product.name,manu.name from products right join manu on manu.code=products.manufacturer;

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

MariaDB [csd\_2204\_join]> 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 [csd\_2204\_join]> select products.code,products.name,manu.name from manu right join products 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 [csd\_2204\_join]> 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 [csd\_2204\_join]> select name from products full outer join manu on products.name=manu.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 'outer join manu on products.name=manu.name' at line 1

MariaDB [csd\_2204\_join]> 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 [csd\_2204\_join]> create table pet(

-> name varchar(20),

-> owner varchar(20),

-> species varchar(20),

-> sex char(1),

-> birth date,

-> death date

-> );

Query OK, 0 rows affected (0.31 sec)

MariaDB [csd\_2204\_join]> load data infile 'c;\xampp' into table pet;

ERROR 29 (HY000): File 'C:\xampp\mysql\data\csd\_2204\_join\c;xampp' not found (Errcode: 2 "No such file or directory")

MariaDB [csd\_2204\_join]> load data infile 'c;/xampp/cgi-bin/pet.txt' into table pet;

ERROR 29 (HY000): File 'C:\xampp\mysql\data\c;\xampp\cgi-bin\pet.txt' not found (Errcode: 2 "No such file or directory")

MariaDB [csd\_2204\_join]> load data infile 'c:/xampp/cgi-bin/pet.txt' into table pet;

Query OK, 8 rows affected, 7 warnings (0.09 sec)

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

MariaDB [csd\_2204\_join]> 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 [csd\_2204\_join]> select curdate();

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

| curdate() |

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

| 2018-01-16 |

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

1 row in set (0.00 sec)

MariaDB [csd\_2204\_join]> select now();

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

| now() |

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

| 2018-01-16 10:17:15 |

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

1 row in set (0.00 sec)

MariaDB [csd\_2204\_join]> select name,birth from pet;

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

| name | birth |

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

| Fluffy | 1993-02-04 |

| Claws | 1994-03-17 |

| Buffy | 1989-05-13 |

| Fang | 1990-08-27 |

| Bowser | 1979-08-31 |

| Chirpy | 1998-09-11 |

| Whistler | 1997-12-09 |

| Slim | 1996-04-29 |

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

8 rows in set (0.00 sec)

MariaDB [csd\_2204\_join]> select name,timestamodiff(year,birth,curdate() as age from 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 'from pet' at line 1

MariaDB [csd\_2204\_join]> select name,timestampdiff(year,birth,curdate() as age from 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 'as age from pet' at line 1

MariaDB [csd\_2204\_join]> 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 [csd\_2204\_join]> select name,timestampdiff(month,birth,curdate()) as age from pet;

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

| name | age |

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

| Fluffy | 299 |

| Claws | 285 |

| Buffy | 344 |

| Fang | 328 |

| Bowser | 460 |

| Chirpy | 232 |

| Whistler | 241 |

| Slim | 260 |

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

8 rows in set (0.00 sec)

MariaDB [csd\_2204\_join]> select name,timestampdiff(year,birth,curdate()) where age<23 as age from 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 'where age<23 as age from pet' at line 1

MariaDB [csd\_2204\_join]> select name,timestampdiff(year,birth,curdate()) as age where age<23 from 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 'where age<23 from pet' at line 1

MariaDB [csd\_2204\_join]> select name,timestampdiff(year,birth,curdate()) as age from pet where age<23;

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

MariaDB [csd\_2204\_join]> select name,timestampdiff(year,birth,curdate()) as age from pet where year(birth)<23;

Empty set (0.00 sec)

MariaDB [csd\_2204\_join]> select name,timestampdiff(year,birth,curdate()) as age from pet where year(birth)>23;

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

| 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 [csd\_2204\_join]> select name,timestampdiff(year,birth,curdate()) as age from pet where year(birth)=23;

Empty set (0.00 sec)

MariaDB [csd\_2204\_join]> select name,timestampdiff(year,birth,curdate()) as age from pet where age(birth)=23;

ERROR 1305 (42000): FUNCTION csd\_2204\_join.age does not exist

MariaDB [csd\_2204\_join]> select name,timestampdiff(year,birth,curdate()) as age from pet where year(birth)=23;

Empty set (0.00 sec)

MariaDB [csd\_2204\_join]> select name from pet where year(birth)=23;

Empty set (0.00 sec)

MariaDB [csd\_2204\_join]> select name from pet where month(birth)=23;

Empty set (0.00 sec)

MariaDB [csd\_2204\_join]> 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 [csd\_2204\_join]> insert into pet (name) values (123);

Query OK, 1 row affected (0.05 sec)

MariaDB [csd\_2204\_join]> insert into pet (name) values (abc123);

ERROR 1054 (42S22): Unknown column 'abc123' in 'field list'

MariaDB [csd\_2204\_join]> desc pet;

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

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

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

| name | varchar(20) | YES | | NULL | |

| owner | varchar(20) | YES | | NULL | |

| species | varchar(20) | YES | | NULL | |

| sex | char(1) | YES | | NULL | |

| birth | date | YES | | NULL | |

| death | date | YES | | NULL | |

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

6 rows in set (0.03 sec)

MariaDB [csd\_2204\_join]> insert into pet (name) values (abc123);

ERROR 1054 (42S22): Unknown column 'abc123' in 'field list'

MariaDB [csd\_2204\_join]> insert into pet (name) values ('abc123');

Query OK, 1 row affected (0.05 sec)

MariaDB [csd\_2204\_join]> 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 [csd\_2204\_join]> select \* from pet where name regexo '^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 'regexo '^f'' at line 1

MariaDB [csd\_2204\_join]> 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 (0.02 sec)

MariaDB [csd\_2204\_join]> 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 [csd\_2204\_join]> 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 [csd\_2204\_join]> select \* from pet where name rlike '^fy$';

Empty set (0.00 sec)

MariaDB [csd\_2204\_join]> select \* from pet where name rlike '^f y$';

Empty set (0.00 sec)

MariaDB [csd\_2204\_join]> 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 [csd\_2204\_join]> 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 [csd\_2204\_join]> 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 [csd\_2204\_join]> select \* from pet where name regexp '[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 [csd\_2204\_join]> select \* from pet where name regexp '^[0-9]$';

Empty set (0.00 sec)

MariaDB [csd\_2204\_join]> select \* from pet where name regexp '^[0-9]+$';

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

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

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

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

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

1 row in set (0.00 sec)

MariaDB [csd\_2204\_join]> select \* from pet where name regexp '^+h';

ERROR 1139 (42000): Got error 'nothing to repeat at offset 1' from regexp

MariaDB [csd\_2204\_join]> select \* from pet where name regexp '^h$';

Empty set (0.00 sec)

MariaDB [csd\_2204\_join]> select \* from pet where name regexp '^h+';

Empty set (0.00 sec)

MariaDB [csd\_2204\_join]>

MariaDB [csd\_2204\_join]>

MariaDB [csd\_2204\_join]>

MariaDB [csd\_2204\_join]>

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MariaDB [csd\_2204\_join]>

MariaDB [csd\_2204\_join]>

MariaDB [csd\_2204\_join]>

MariaDB [csd\_2204\_join]>

MariaDB [csd\_2204\_join]> select \* from pet where name regexp '^h+$';

Empty set (0.00 sec)

MariaDB [csd\_2204\_join]> select \* from pet where name regexp '^\_h+$';

Empty set (0.00 sec)

MariaDB [csd\_2204\_join]> select \* from pet where name regexp '^\_h';

Empty set (0.02 sec)

MariaDB [csd\_2204\_join]> select \* from pet where name regexp '^.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 [csd\_2204\_join]> insert into pet (name) values (nh123);

ERROR 1054 (42S22): Unknown column 'nh123' in 'field list'

MariaDB [csd\_2204\_join]> insert into pet (name) values ('nh123');

Query OK, 1 row affected (0.08 sec)

MariaDB [csd\_2204\_join]> 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 |

| nh123 | NULL | NULL | NULL | NULL | NULL |

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

11 rows in set (0.00 sec)

MariaDB [csd\_2204\_join]> select \* from pet where name regexp '^.h$';

Empty set (0.00 sec)

MariaDB [csd\_2204\_join]> select \* from pet where name regexp '^.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 |

| nh123 | NULL | NULL | NULL | NULL | NULL |

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

3 rows in set (0.00 sec)

MariaDB [csd\_2204\_join]> select \* from pet where name regexp '^.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 [csd\_2204\_join]> select \* from pet where name regexp '^.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 |

| nh123 | NULL | NULL | NULL | NULL | NULL |

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

3 rows in set (0.01 sec)

MariaDB [csd\_2204\_join]> select \* from pet where name regexp '^.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 [csd\_2204\_join]> select \* from pet where name regexp '^.h[0-9]+';

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

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

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

| nh123 | NULL | NULL | NULL | NULL | NULL |

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

1 row in set (0.00 sec)

MariaDB [csd\_2204\_join]> select \* from pet where name regexp '^.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 [csd\_2204\_join]> select \* from pet where name regexp '^.h[^a-z]+';

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

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

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

| nh123 | NULL | NULL | NULL | NULL | NULL |

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

1 row in set (0.00 sec)

MariaDB [csd\_2204\_join]> select \* from pet where name regexp '^[0-9]{2}';

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

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

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

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

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

1 row in set (0.00 sec)

MariaDB [csd\_2204\_join]> select \* from pet where name regexp '^[0-9]{2}$';

Empty set (0.00 sec)

MariaDB [csd\_2204\_join]> select \* from pet where name regexp '^[0-9]{3}';

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

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

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

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

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

1 row in set (0.00 sec)

MariaDB [csd\_2204\_join]>