Setting environment for using XAMPP for Windows.

DELL@DESKTOP-OJ6O3CM 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: 10.1.28-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2017, 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 (0.05 sec)

MariaDB [(none)]> create database csd2204w18;

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

MariaDB [(none)]> use database csd2204w18;

ERROR 1049 (42000): Unknown database 'database'

MariaDB [(none)]> use csd2204w18;

Database changed

MariaDB [csd2204w18]> show tables;

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

| Tables\_in\_csd2204w18 |

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

| c1 |

| c2 |

| citymaster |

| customer |

| customers |

| j1 |

| j2 |

| j3 |

| j4 |

| movie |

| movieee |

| movies |

| persons |

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

13 rows in set (0.00 sec)

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 (0.20 sec)

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

Query OK, 1 row affected (0.10 sec)

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

Query OK, 1 row affected (0.08 sec)

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

Query OK, 1 row affected (0.08 sec)

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

Query OK, 1 row affected (0.07 sec)

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

Query OK, 1 row affected (0.08 sec)

MariaDB [csd2204w18]>

MariaDB [csd2204w18]> Name VARCHAR(255) NOT NULL ,

-> name varchar(255) NOT NULL,

-> Manufacturer INTEGER(3),

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

-> CONSTRAINT FK\_PRODUCTS FOREIGN KEY (Manufacturer) REFERENCES manu(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 'Name VARCHAR(255) NOT NULL ,

name varchar(255) NOT NULL,

Manufacturer INTEGER(3)' at line 1

MariaDB [csd2204w18]> create table products(

-> 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)

-> );

ERROR 1072 (42000): Key column 'Code' doesn't exist in table

MariaDB [csd2204w18]> create table products(

-> name varcha(255) NOT NULL,

-> price DECIMAL NOT NULL,

-> manufacturer int(3),

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

-> CONSTRAINT FK\_PRODUCTS FOREIGN KEY (Manufacturer) REFERENCES manu(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 'varcha(255) NOT NULL,

price DECIMAL NOT NULL,

manufacturer int(3),

CONSTRAINT PK' at line 2

MariaDB [csd2204w18]> create table products(

-> name varchar(255) NOT NULL,

-> price DECIMAL NOT NULL,

-> manufacturer int(3),

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

-> CONSTRAINT FK\_PRODUCTS FOREIGN KEY (manufacturer) REFERENCES manu(code)

-> );

ERROR 1072 (42000): Key column 'code' doesn't exist in table

MariaDB [csd2204w18]> CREATE TABLE manu(

-> Code INTEGER(3) AUTO\_INCREMENT ,

-> Name VARCHAR(50) NOT NULL,

-> CONSTRAINT PK\_MANU PRIMARY KEY (CODE)

-> );

ERROR 1050 (42S01): Table 'manu' already exists

MariaDB [csd2204w18]>

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

Query OK, 1 row affected (0.08 sec)

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

Query OK, 1 row affected (0.04 sec)

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

Query OK, 1 row affected (0.05 sec)

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

Query OK, 1 row affected (0.05 sec)

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

Query OK, 1 row affected (0.03 sec)

MariaDB [csd2204w18]> 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)

-> );

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 'Name VARCHAR(255) NOT NULL ,

Price DECIMAL NOT NULL ,

Manufacturer INTEG' at line 1

MariaDB [csd2204w18]>

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

MariaDB [csd2204w18]>

MariaDB [csd2204w18]>

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 (0.61 sec)

MariaDB [csd2204w18]>

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

Query OK, 1 row affected (0.08 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 (0.10 sec)

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

Query OK, 1 row affected (0.09 sec)

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

Query OK, 1 row affected (0.08 sec)

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

Query OK, 1 row affected (0.09 sec)

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

Query OK, 1 row affected (0.08 sec)

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

Query OK, 1 row affected (0.08 sec)

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

Query OK, 1 row affected (0.09 sec)

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

Query OK, 1 row affected (0.08 sec)

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

Query OK, 1 row affected (0.09 sec)

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

Query OK, 1 row affected (0.05 sec)

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

Query OK, 1 row affected (0.08 sec)

MariaDB [csd2204w18]> desc products;

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

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

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

| Code | int(3) | NO | PRI | NULL | auto\_increment |

| Name | varchar(255) | NO | | NULL | |

| Price | decimal(10,0) | NO | | NULL | |

| Manufacturer | int(3) | YES | MUL | NULL | |

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

4 rows in set (0.01 sec)

MariaDB [csd2204w18]> select count(\*),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 | Sony |

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

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> select products.code,products.name,manu.name from manu LEFT JOIN products ON manu.code=products.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 | Sony |

| 7 | CD drive | Creative Labs |

| 8 | Printer | Hewlett-Packard |

| 9 | Toner cartridge | Iomega |

| 10 | DVD burner | Fujitsu |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \* from manu;

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

| Code | Name |

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

| 1 | Sony |

| 2 | Creative Labs |

| 3 | Hewlett-Packard |

| 4 | Iomega |

| 5 | Fujitsu |

| 6 | Sony |

| 7 | Creative Labs |

| 8 | Hewlett-Packard |

| 9 | Iomega |

| 10 | Fujitsu |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select products.code,products.name,manu.name from manu LEFT JOIN products manu ON manu.code=products.code;

ERROR 1066 (42000): Not unique table/alias: 'manu'

MariaDB [csd2204w18]> select products.code,products.name,manu.name from products LEFT JOIN manu ON manu.code=products.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 | Sony |

| 7 | CD drive | Creative Labs |

| 8 | Printer | Hewlett-Packard |

| 9 | Toner cartridge | Iomega |

| 10 | DVD burner | Fujitsu |

| 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 manu.code=products.manufacturer;

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

| code | name | name |

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

| 1 | Hard drive | Fujitsu |

| 2 | Memory | Sony |

| 3 | ZIP drive | Iomega |

| 4 | Floppy disk | Sony |

| 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 | Creative Labs |

| 12 | Toner cartridge | Creative Labs |

| 13 | DVD burner | Creative Labs |

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

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 | Sony |

| 7 | CD drive | Creative Labs |

| 8 | Printer | Hewlett-Packard |

| 9 | Toner cartridge | Iomega |

| 10 | DVD burner | Fujitsu |

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

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> select count(\*), manufacturerfrom products as p INNER JOIN manu m ON m.code=p.manufacturer GROUP BY 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 'as p INNER JOIN manu m ON m.code=p.manufacturer GROUP BY manufacturer' at line 1

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(\*),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 | Sony |

| 3 | 7 | Creative Labs |

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

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 count(manufacturer)<4;

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

| count(\*) | manufacturer | name |

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

| 1 | 1 | Sony |

| 3 | 2 | Creative Labs |

| 2 | 3 | Hewlett-Packard |

| 1 | 4 | Iomega |

| 1 | 5 | Fujitsu |

| 2 | 6 | Sony |

| 3 | 7 | Creative Labs |

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

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 count(manufacturer)>2;

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

| count(\*) | manufacturer | name |

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

| 3 | 2 | Creative Labs |

| 3 | 7 | Creative Labs |

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

2 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 count(manufacturer)=2;

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

| count(\*) | manufacturer | name |

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

| 2 | 3 | Hewlett-Packard |

| 2 | 6 | Sony |

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

2 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 in (2,3);

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

| count(\*) | manufacturer | name |

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

| 3 | 2 | Creative Labs |

| 2 | 3 | Hewlett-Packard |

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

2 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 | Sony |

| 7 | CD drive | Creative Labs |

| 8 | Printer | Hewlett-Packard |

| 9 | Toner cartridge | Iomega |

| 10 | DVD burner | Fujitsu |

| 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 manu RIGHT JOIN products ON manu.code=products.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 | Sony |

| 7 | CD drive | Creative Labs |

| 8 | Printer | Hewlett-Packard |

| 9 | Toner cartridge | Iomega |

| 10 | DVD burner | Fujitsu |

| 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.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 | Sony |

| 7 | CD drive | Creative Labs |

| 8 | Printer | Hewlett-Packard |

| 9 | Toner cartridge | Iomega |

| 10 | DVD burner | Fujitsu |

| 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 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 | Sony |

| 7 | CD drive | Creative Labs |

| 8 | Printer | Hewlett-Packard |

| 9 | Toner cartridge | Iomega |

| 10 | DVD burner | Fujitsu |

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

10 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]> create table pet(

-> name varchar(20),

-> owner varchar(20),

-> species varchar(20),

-> sex char(1),

-> birth date,

-> death date);

Query OK, 0 rows affected (0.49 sec)

MariaDB [csd2204w18]> load data infile '/cdownloads/XAMPP/bin/pet.txt' into table pet;

ERROR 29 (HY000): File 'C:\cdownloads\XAMPP\bin\pet.txt' not found (Errcode: 2 "No such file or directory")

MariaDB [csd2204w18]> load data infile '/downloads/XAMPP/bin/pet.txt' into table pet;

ERROR 29 (HY000): File 'C:\downloads\XAMPP\bin\pet.txt' not found (Errcode: 2 "No such file or directory")

MariaDB [csd2204w18]> load data infile 'C:/downloads/XAMPP/bin/pet.txt' into table pet;

ERROR 29 (HY000): File 'C:\downloads\XAMPP\bin\pet.txt' not found (Errcode: 2 "No such file or directory")

MariaDB [csd2204w18]> load data infile 'C:/XAMPP/bin.pet.txt' into table pet;

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

MariaDB [csd2204w18]> load data infile 'C:/XAMPP/bin/pet.txt' into table pet;

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

MariaDB [csd2204w18]> load data infile 'C:/XAMPP/pet.txt' into table pet;

Query OK, 8 rows affected, 7 warnings (0.07 sec)

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

MariaDB [csd2204w18]> 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 [csd2204w18]> 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 [csd2204w18]> select \* from pet WHERE age>23;

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

MariaDB [csd2204w18]> select name,TIMESTAMPDIFF(year,birth,curdate()) AS age from pet WHERE age>23;

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

MariaDB [csd2204w18]> select name,TIMESTAMPDIFF(year,birth,curdate()) from pet WHERE age>23;

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

MariaDB [csd2204w18]> select name,TIMESTAMPDIFF(year,birth,curdate()) AS age from pet WHERE age>23;

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

MariaDB [csd2204w18]> select name,TIMESTAMPDIFF(year,birth,curdate()) AS age from pet WHERE TIMESTAMPDIFF(year,birth,curdate())>23;

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

| name | age |

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

| Fluffy | 24 |

| Buffy | 28 |

| Fang | 27 |

| Bowser | 38 |

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

4 rows in set (0.00 sec)

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

ERROR 1136 (21S01): Column count doesn't match value count at row 1

MariaDB [csd2204w18]> insert into 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 ')' at line 1

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

ERROR 1136 (21S01): Column count doesn't match value count at row 1

MariaDB [csd2204w18]> select \* from pet where name REGEXP '^p';

Empty set (0.00 sec)

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

Empty set (0.00 sec)

MariaDB [csd2204w18]> select \* from pet where name REGEXP '^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 [csd2204w18]> select \* from pet where name REGEXP '^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 [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]$'

-> ';

'> ';

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 '.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 [csd2204w18]> insert ino 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 'pet (name) values('ABC123')' at line 1

MariaDB [csd2204w18]> insert into pet (name) values('ABC123');

Query OK, 1 row affected (0.08 sec)

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

Query OK, 1 row affected (0.08 sec)

MariaDB [csd2204w18]> select \* from pet where RGEXP '.h[a-z]';

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 ''.h[a-z]'' at line 1

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

Empty set (0.00 sec)

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

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

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

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

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

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

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

2 rows in set (0.00 sec)

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

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

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

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

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

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

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

2 rows in set (0.00 sec)

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

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

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

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

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

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

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

2 rows in set (0.00 sec)

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

Empty set (0.00 sec)

MariaDB [csd2204w18]> exit

Bye

DELL@DESKTOP-OJ6O3CM c:\xampp

# mysqldump -u root -p csd2204w18>day7.sql

Enter password: