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

Your MariaDB connection id is 2

Server version: 10.1.21-MariaDB mariadb.org binary distribution

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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 (0.01 sec)

MariaDB [(none)]> use test;

Database changed

MariaDB [test]> show tables;

Empty set (0.00 sec)

MariaDB [test]> Create table manu(Code integer(3) primary key,Name varchar(50) not null);

Query OK, 0 rows affected (0.03 sec)

MariaDB [test]> INSERT INTO manu(Code,Name) VALUES(1,'Sony');INSERT INTO manu(Code,Name) VALUES(2,'Creative Labs');INSERT INTO manu(Code,Name) VALUES(3,'Hewlett-Packard');INSERT INTO manu(Code,Name) VALUES(4,'Iomega');INSERT INTO manu(Code,Name) VALUES(5,'Fujitsu');INSERT INTO manu(Code,Name) VALUES(6,'Winchester');INSERT INTO manu VALUES(7,'moxDroid Labs Inc');insert into manu values(8,"Dell");insert into manu values(20,"BEll Labs");

Query OK, 1 row affected (0.01 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.02 sec)

MariaDB [test]> CREATE TABLE Products ( Code INTEGER(3), Name VARCHAR(255) NOT NULL , Price DECIMAL NOT NULL , Manufacturer INTEGER(3), PRIMARY KEY (Code), FOREIGN KEY (Manufacturer) REFERENCES manu(Code) );

Query OK, 0 rows affected (0.02 sec)

MariaDB [test]> INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(1,'Hard drive',240,5);INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(2,'Memory',120,6);INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(3,'ZIP drive',150,4);INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(4,'Floppy disk',5,6);INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(5,'Monitor',240,1);INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(6,'DVD drive',180,2);INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(7,'CD drive',90,2);INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(8,'Printer',270,3);INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(9,'Toner cartridge',66,3);INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(10,'DVD burner',180,2);INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(11,'Printer',40.00,7);INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(12,'Toner cartridge',54.00,7);INSERT INTO Products(Code,Name,Price,Manufacturer) VALUES(13,'DVD burner',78.00,7);

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

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Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

MariaDB [test]> show tables;

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

| Tables\_in\_test |

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

| manu |

| products |

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

2 rows in set (0.00 sec)

MariaDB [test]> create view d10\_v1 as select from products;

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' at line 1

MariaDB [test]> create view d10\_v1 as select from products;

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' at line 1

MariaDB [test]> create view d10\_v1 as select \*from products;

Query OK, 0 rows affected (0.02 sec)

MariaDB [test]> select\* from d10\_v1;

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

| 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 [test]> create view joshi as select name, price from products;

Query OK, 0 rows affected (0.00 sec)

MariaDB [test]> select \* from joshi;

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

| name | price |

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

| Hard drive | 240 |

| Memory | 120 |

| ZIP drive | 150 |

| Floppy disk | 5 |

| Monitor | 240 |

| DVD drive | 180 |

| CD drive | 90 |

| Printer | 270 |

| Toner cartridge | 66 |

| DVD burner | 180 |

| Printer | 40 |

| Toner cartridge | 54 |

| DVD burner | 78 |

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

13 rows in set (0.00 sec)

MariaDB [test]> create view joshi as select \* from products where name="hard drive";

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

MariaDB [test]> create view joshyi as select \* from products where name="hard drive";

Query OK, 0 rows affected (0.00 sec)

MariaDB [test]> select \* from joshyi;

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

| Code | Name | Price | Manufacturer |

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

| 1 | Hard drive | 240 | 5 |

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

1 row in set (0.00 sec)

MariaDB [test]> create view hlo as select \* from products where name="dvd burner and price=180;

"> /;

"> ;;

"> ;;;

"> ;;;

"> ;;;

"> ;

"> create view joshi as select \* from products where name="hard drive;

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 'hard drive' at line 1

MariaDB [test]> create view kamal aulakh as select \* from products where name='dvd burner" or price=240;

'> create view kamal aulakh as select \* from products where name='dvd burner" or price

"> create view kamal aulakh as select \* from products where name='dvd burner" or price=24;

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 'aulakh as select \* from products where name='dvd burner" or price=240;

create vi' at line 1

MariaDB [test]> create view kamal aulakh as select \* from products where name="dvd burner" or price=240;

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 'aulakh as select \* from products where name="dvd burner" or price=240' at line 1

MariaDB [test]> create view kamal aulakh as select \* from products where name="DVD burner" or price=240;

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 'aulakh as select \* from products where name="DVD burner" or price=240' at line 1

MariaDB [test]> create view kml\_aulakh as select \* from products where name="DVD burner" or price=240;

Query OK, 0 rows affected (0.01 sec)

MariaDB [test]> select\* from kml\_aulakh;

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

| Code | Name | Price | Manufacturer |

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

| 1 | Hard drive | 240 | 5 |

| 5 | Monitor | 240 | 1 |

| 10 | DVD burner | 180 | 2 |

| 13 | DVD burner | 78 | 7 |

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

4 rows in set (0.00 sec)

MariaDB [test]> create view pardip select name,count(\*) as "total quantity" from products group by 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 'select name,count(\*) as "total quantity" from products group by name' at line 1

MariaDB [test]> create view pardip as select name,count(\*) as "TOTAL quantity" from products group by name;

Query OK, 0 rows affected (0.00 sec)

MariaDB [test]> select \* from pardip;

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

| name | TOTAL quantity |

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

| CD drive | 1 |

| DVD burner | 2 |

| DVD drive | 1 |

| Floppy disk | 1 |

| Hard drive | 1 |

| Memory | 1 |

| Monitor | 1 |

| Printer | 2 |

| Toner cartridge | 2 |

| ZIP drive | 1 |

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

10 rows in set (0.00 sec)

MariaDB [test]> create view pardip as select name,count(\*) as "TOTAL quantity" from products order by name desc;

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

MariaDB [test]> select name,count(\*) as "TOTAL quantity" from products order by name desc;

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

| name | TOTAL quantity |

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

| Hard drive | 13 |

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

1 row in set (0.00 sec)

MariaDB [test]> create view sultan as select \* from products where price between 100 to 200;

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 'to 200' at line 1

MariaDB [test]> create view sultan as select \* from products where price between 100 and 200;

Query OK, 0 rows affected (0.00 sec)

MariaDB [test]> select \* from sultan;

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

| Code | Name | Price | Manufacturer |

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

| 2 | Memory | 120 | 6 |

| 3 | ZIP drive | 150 | 4 |

| 6 | DVD drive | 180 | 2 |

| 10 | DVD burner | 180 | 2 |

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

4 rows in set (0.00 sec)

MariaDB [test]> select \* from joshi where name= "Memory";

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

| name | price |

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

| Memory | 120 |

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

1 row in set (0.00 sec)

MariaDB [test]> select \* from joshi where name="Memory" or price = 180;

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

| name | price |

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

| Memory | 120 |

| DVD drive | 180 |

| DVD burner | 180 |

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

3 rows in set (0.00 sec)

MariaDB [test]> select \* from joshi where price between 100 and 200;

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

| name | price |

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

| Memory | 120 |

| ZIP drive | 150 |

| DVD drive | 180 |

| DVD burner | 180 |

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

4 rows in set (0.00 sec)

MariaDB [test]> select \* fropm joshi where price in( 100, 150,180);

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 'fropm joshi where price in( 100, 150,180)' at line 1

MariaDB [test]> select \* from joshi where price in( 100, 150,180);

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

| name | price |

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

| ZIP drive | 150 |

| DVD drive | 180 |

| DVD burner | 180 |

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

3 rows in set (0.00 sec)

MariaDB [test]> select \* from joshi where name like "\_0%;

"> .//

"> ;

"> select \* fropm joshi where price in( 100, 150,180);

"> select \* fropm joshi where priciuye in( 100, 150,180);

">

"> "> select \* fropm joshi where price in( 100, 150,180);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'select \* fropm joshi where price in( 100, 150,180)' at line 1

MariaDB [test]> select \* from joshi where name like "\_0%";

Empty set (0.00 sec)

MariaDB [test]> select \* from joshi where name like "\_o%";

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

| name | price |

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

| Monitor | 240 |

| Toner cartridge | 66 |

| Toner cartridge | 54 |

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

3 rows in set (0.00 sec)

MariaDB [test]> select max(price) from joshi;

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

| max(price) |

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

| 270 |

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

1 row in set (0.00 sec)

MariaDB [test]> select max(price) where name="monitor";

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 name="monitor"' at line 1

MariaDB [test]> select max(price), name="joshi";

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

MariaDB [test]> select max(price), name from joshi;

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

| max(price) | name |

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

| 270 | Hard drive |

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

1 row in set (0.00 sec)

MariaDB [test]> desc manu;

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

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

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

| Code | int(3) | NO | PRI | NULL | |

| Name | varchar(50) | NO | | NULL | |

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

2 rows in set (0.02 sec)

MariaDB [test]> desc products;

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

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

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

| Code | int(3) | NO | PRI | NULL | |

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

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

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

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

4 rows in set (0.02 sec)

MariaDB [test]> select SELECT column\_name(s)

-> FROM table1

-> INNER JOIN table2 ON table1.column\_

-> name = table2.column\_name;

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

FROM table1

INNER JOIN table2 ON table1.column\_

name = tab' at line 1

MariaDB [test]> 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 |

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

8 rows in set (0.00 sec)

MariaDB [test]> create view pardhan as SELECT PRODUCTS.CODE, PRODUCTS.NAME, MANU.NAME

-> FROM MANU

-> INNER JOIN PRODUCTS

-> ON PRODUCTS.CODE = MANU.CODE;

ERROR 1060 (42S21): Duplicate column name 'NAME'

MariaDB [test]> create view pardhan as SELECT PRODUCTS.CODE, PRODUCTS.NAME, MANU.NAME FROM MANU INNER JOIN PRODUCTSON PRODUCTS.CODE = 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 '.CODE = MANU.CODE' at line 1

MariaDB [test]> create view pardhan as SELECT PRODUCTS.CODE, PRODUCTS.NAME, MANU.NAME

-> FROM MANU;

ERROR 1054 (42S22): Unknown column 'PRODUCTS.CODE' in 'field list'

MariaDB [test]> create view pardhan as SELECT PRODUCTS.CODE, PRODUCTS.NAME "products", MANU.NAME "manufacturer", FROM MANU INNER JOIN PRODUCTS ON PRODUCTS.CODE = 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 'FROM MANU INNER JOIN PRODUCTS ON PRODUCTS.CODE = MANU.CODE' at line 1

MariaDB [test]> create view pardhan as SELECT PRODUCTS.CODE, PRODUCTS.NAME "products" MANU.NAME "manufacturer" FROM MANU INNER JOIN PRODUCTS ON PRODUCTS.CODE = 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 'MANU.NAME "manufacturer" FROM MANU INNER JOIN PRODUCTS ON PRODUCTS.CODE = MAN' at line 1

MariaDB [test]> create view pardhan as SELECT PRODUCTS.CODE, PRODUCTS.NAME "product", MANU.NAME "manufacturer" FROM MANU INNER JOIN PRODUCTS ON PRODUCTS.CODE = MANU.CODE;

Query OK, 0 rows affected (0.01 sec)

MariaDB [test]> select\* from pardhan;

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

| CODE | product | manufacturer |

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

| 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 |

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

8 rows in set (0.00 sec)

MariaDB [test]> create view pardhan as SELECT PRODUCTS.CODE, PRODUCTS.NAME "products" MANU.NAME "manufacturer" FROM MANU INNER JOIN PRODUCTS ON PRODUCTS.CODE = MANU.CODE;

riaDB [test]> 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 [test]> SELECT COUNT(\*),p.manufacturer,m.name

-> FROM products as p

-> inner join manu m

-> ON m.code=p.manufacturer

-> GROUP BY manufacturer having count(manufacturer)

-> > 2;

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

| COUNT(\*) | manufacturer | name |

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

| 3 | 2 | Creative Labs |

| 3 | 7 | moxDroid Labs Inc |

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

2 rows in set (0.00 sec)

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

-> FROM products as p

-> inner join manu m

-> ON m.code=p.manufacturer

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

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

| COUNT(\*) | manufacturer | name |

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

| 2 | 3 | Hewlett-Packard |

| 2 | 6 | Winchester |

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

2 rows in set (0.00 sec)

MariaDB [test]> 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 [test]> 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 [test]> create view v4 as SELECT COUNT(\*),p.manufacturer,m.name FROM products as p ON m.code=p.manufacturer GROUP BY manufacturer having manufacturer in (2,3);

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 'ON m.code=p.manufacturer GROUP BY manufacturer having manufacturer in (2,3)' at line 1

MariaDB [test]> create view v4 as SELECT COUNT(\*),p.manufacturer,m.name FROM products as p ON m.code=p.manufacturer GROUP BY manufacturer having manufacturer in (2,3);

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 'ON m.code=p.manufacturer GROUP BY manufacturer having manufacturer in (2,3)' at line 1

MariaDB [test]> create view v4 as SELECT COUNT(\*),p.manufacturer,m.name FROM products as p on m.code=p.manufacturer GROUP BY manufacturer having manufacturer in (2,3);

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 'on m.code=p.manufacturer GROUP BY manufacturer having manufacturer in (2,3)' at line 1

MariaDB [test]> create view v4 as 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);

Query OK, 0 rows affected (0.01 sec)

MariaDB [test]> select \* from v4;

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

| COUNT(\*) | manufacturer | name |

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

| 3 | 2 | Creative Labs |

| 2 | 3 | Hewlett-Packard |

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

2 rows in set (0.00 sec)

MariaDB [test]> 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 | NULL |

| 10 | DVD burner | NULL |

| 11 | Printer | NULL |

| 12 | Toner cartridge | NULL |

| 13 | DVD burner | NULL |

| NULL | NULL | BEll Labs |

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

14 rows in set (0.00 sec)

MariaDB [test]> create view v5 as SELECT PRODUCTS.CODE, PRODUCTS.NAME "product", MANU.NAME "manfacturer" 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;

Query OK, 0 rows affected (0.00 sec)

MariaDB [test]> select \* from v5;

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

| CODE | product | manfacturer |

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

| 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 | NULL |

| 10 | DVD burner | NULL |

| 11 | Printer | NULL |

| 12 | Toner cartridge | NULL |

| 13 | DVD burner | NULL |

| NULL | NULL | BEll Labs |

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

14 rows in set (0.00 sec)

MariaDB [test]> 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 [test]> create view v6 as SELECT P1.CODE, P1.NAME "shivam", P2.NAME "modgill" FROM Products P1, Products P2 WHERE P1.CODE <> P2.CODE;

Query OK, 0 rows affected (0.01 sec)

MariaDB [test]> select\* from v6;

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

| CODE | shivam | modgill |

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

| 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 [test]> 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 | NULL |

| 10 | DVD burner | NULL |

| 11 | Printer | NULL |

| 12 | Toner cartridge | NULL |

| 13 | DVD burner | NULL |

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

13 rows in set (0.00 sec)

MariaDB [test]> create view v7 as SELECT PRODUCTS.CODE, PRODUCTS.NAME "shivam", MANU.NAME "modgill" FROM MANU RIGHT JOIN PRODUCTS ON PRODUCTS.CODE = MANU.CODE;

Query OK, 0 rows affected (0.01 sec)

MariaDB [test]> select \* from v7;

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

| CODE | shivam | modgill |

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

| 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 | NULL |

| 10 | DVD burner | NULL |

| 11 | Printer | NULL |

| 12 | Toner cartridge | NULL |

| 13 | DVD burner | NULL |

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

13 rows in set (0.00 sec)

MariaDB [test]> 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 |

| NULL | NULL | BEll Labs |

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

9 rows in set (0.00 sec)

MariaDB [test]> create view v8 as SELECT PRODUCTS.CODE, PRODUCTS.NAME "shivam", MANU.NAME "modgill" FROM PRODUCTS RIGHT JOIN MANU ON PRODUCTS.CODE = MANU.CODE;

Query OK, 0 rows affected (0.01 sec)

MariaDB [test]> select \* from v8;

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

| CODE | shivam | modgill |

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

| 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 |

| NULL | NULL | BEll Labs |

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

9 rows in set (0.00 sec)

MariaDB [test]>