

```
MariaDB [(none)]> show databases
-> ;
```

Database
blog
ggcsss
hr
information_schema
mysql
nucs
performance_schema
phpmyadmin
sales_co
test
themepark
thm
uni_a
uni_b
university

```
15 rows in set (0.04 sec)
```

```
MariaDB [(none)]> use themepark;
```

```
Database changed
```

```
MariaDB [themepark]> show tables;
```

Tables_in_themepark
address
attraction
employee
hours
sales
sales_line
student
themepark
ticket

```
9 rows in set (0.00 sec)
```

```
MariaDB [themepark]> select * from employee;
```

EMP_NUM	EMP_TITLE	EMP_LNAME	EMP_FNAME	EMP_DOB	EMP_HIRE_DATE	EMP_AREA_CODE	EMP_PHONE	PARK_CODE
100	Ms	Calderdale	Emma	1972-06-15	1992-03-15	0181	324-9134	FR1001
101	Ms	Ricardo	Marshall	1978-03-19	1996-04-25	0181	324-4472	UK3452
102	Mr	Arshad	Arif	1969-11-14	1990-12-20	7253	675-8993	FR1001
103	Ms	Roberts	Anne	1974-10-16	1994-08-16	0181	898-3456	UK3452
104	Mr	Denver	Enrica	1980-11-08	2001-10-20	7253	504-4434	ZA1342
105	Ms	Namowa	Mirrelle	1990-03-14	2006-11-08	0181	890-3243	FR1001
106	Mrs	Smith	Gemma	1968-02-12	1989-01-05	0181	324-7845	ZA1342

```
7 rows in set (0.01 sec)
```

```
MariaDB [themepark]> select * from employee order by emp_hire_date;
```

```

+-----+
| EMP_NUM | EMP_TITLE | EMP_LNAME | EMP_FNAME | EMP_DOB      | EMP_HIRE_DATE | EMP_AREA_CODE | EMP_PHONE |
PARK_CODE |
+-----+
| 106 | Mrs      | Smith      | Gemma      | 1968-02-12 | 1989-01-05    | 0181          | 324-7845 |
ZA1342 |
| 102 | Mr       | Arshad     | Arif       | 1969-11-14 | 1990-12-20    | 7253          | 675-8993 |
FR1001 |
| 100 | Ms       | Calderdale | Emma       | 1972-06-15 | 1992-03-15    | 0181          | 324-9134 |
FR1001 |
| 103 | Ms       | Roberts    | Anne       | 1974-10-16 | 1994-08-16    | 0181          | 898-3456 |
UK3452 |
| 101 | Ms       | Ricardo    | Marshal    | 1978-03-19 | 1996-04-25    | 0181          | 324-4472 |
UK3452 |
| 104 | Mr       | Denver     | Enrica     | 1980-11-08 | 2001-10-20    | 7253          | 504-4434 |
ZA1342 |
| 105 | Ms       | Namowa     | Mirrelle   | 1990-03-14 | 2006-11-08    | 0181          | 890-3243 |
FR1001 |
+-----+
7 rows in set (0.00 sec)

```

MariaDB [themepark]> select * from employee order by emp_hire_date asc;

```

+-----+
| EMP_NUM | EMP_TITLE | EMP_LNAME | EMP_FNAME | EMP_DOB      | EMP_HIRE_DATE | EMP_AREA_CODE | EMP_PHONE |
PARK_CODE |
+-----+
| 106 | Mrs      | Smith      | Gemma      | 1968-02-12 | 1989-01-05    | 0181          | 324-7845 |
ZA1342 |
| 102 | Mr       | Arshad     | Arif       | 1969-11-14 | 1990-12-20    | 7253          | 675-8993 |
FR1001 |
| 100 | Ms       | Calderdale | Emma       | 1972-06-15 | 1992-03-15    | 0181          | 324-9134 |
FR1001 |
| 103 | Ms       | Roberts    | Anne       | 1974-10-16 | 1994-08-16    | 0181          | 898-3456 |
UK3452 |
| 101 | Ms       | Ricardo    | Marshal    | 1978-03-19 | 1996-04-25    | 0181          | 324-4472 |
UK3452 |
| 104 | Mr       | Denver     | Enrica     | 1980-11-08 | 2001-10-20    | 7253          | 504-4434 |
ZA1342 |
| 105 | Ms       | Namowa     | Mirrelle   | 1990-03-14 | 2006-11-08    | 0181          | 890-3243 |
FR1001 |
+-----+
7 rows in set (0.00 sec)

```

MariaDB [themepark]> select * from employee order by emp_hire_date desc;

```

+-----+
| EMP_NUM | EMP_TITLE | EMP_LNAME | EMP_FNAME | EMP_DOB      | EMP_HIRE_DATE | EMP_AREA_CODE | EMP_PHONE |
PARK_CODE |
+-----+
| 105 | Ms       | Namowa     | Mirrelle   | 1990-03-14 | 2006-11-08    | 0181          | 890-3243 |
FR1001 |
| 104 | Mr       | Denver     | Enrica     | 1980-11-08 | 2001-10-20    | 7253          | 504-4434 |
ZA1342 |
| 101 | Ms       | Ricardo    | Marshal    | 1978-03-19 | 1996-04-25    | 0181          | 324-4472 |
UK3452 |
| 103 | Ms       | Roberts    | Anne       | 1974-10-16 | 1994-08-16    | 0181          | 898-3456 |
UK3452 |
| 100 | Ms       | Calderdale | Emma       | 1972-06-15 | 1992-03-15    | 0181          | 324-9134 |
FR1001 |
| 102 | Mr       | Arshad     | Arif       | 1969-11-14 | 1990-12-20    | 7253          | 675-8993 |
FR1001 |

```

```

|    106 | Mrs      | Smith    | Gemma    | 1968-02-12 | 1989-01-05 | 0181      | 324-7845 |
ZA1342  |
+-----+
7 rows in set (0.00 sec)

```

```

MariaDB [themepark]> select * from employee order by emp_fname;
+-----+
| EMP_NUM | EMP_TITLE | EMP_LNAME | EMP_FNAME | EMP_DOB      | EMP_HIRE_DATE | EMP_AREA_CODE | EMP_PHONE |
PARK_CODE |
+-----+
|    103 | Ms        | Roberts   | Anne      | 1974-10-16 | 1994-08-16    | 0181      | 898-3456 |
UK3452   |
|    102 | Mr        | Arshad    | Arif      | 1969-11-14 | 1990-12-20    | 7253      | 675-8993 |
FR1001   |
|    100 | Ms        | Calderdale | Emma      | 1972-06-15 | 1992-03-15    | 0181      | 324-9134 |
FR1001   |
|    104 | Mr        | Denver    | Enrica    | 1980-11-08 | 2001-10-20    | 7253      | 504-4434 |
ZA1342   |
|    106 | Mrs      | Smith     | Gemma     | 1968-02-12 | 1989-01-05    | 0181      | 324-7845 |
ZA1342   |
|    101 | Ms        | Ricardo   | Marshal   | 1978-03-19 | 1996-04-25    | 0181      | 324-4472 |
UK3452   |
|    105 | Ms        | Namowa    | Mirrelle  | 1990-03-14 | 2006-11-08    | 0181      | 890-3243 |
FR1001   |
+-----+
7 rows in set (0.00 sec)

```

```

MariaDB [themepark]> select * from employee order by emp_hire_date asc;
+-----+
| EMP_NUM | EMP_TITLE | EMP_LNAME | EMP_FNAME | EMP_DOB      | EMP_HIRE_DATE | EMP_AREA_CODE | EMP_PHONE |
PARK_CODE |
+-----+
|    106 | Mrs      | Smith     | Gemma     | 1968-02-12 | 1989-01-05    | 0181      | 324-7845 |
ZA1342   |
|    102 | Mr        | Arshad    | Arif      | 1969-11-14 | 1990-12-20    | 7253      | 675-8993 |
FR1001   |
|    100 | Ms        | Calderdale | Emma      | 1972-06-15 | 1992-03-15    | 0181      | 324-9134 |
FR1001   |
|    103 | Ms        | Roberts   | Anne      | 1974-10-16 | 1994-08-16    | 0181      | 898-3456 |
UK3452   |
|    101 | Ms        | Ricardo   | Marshal   | 1978-03-19 | 1996-04-25    | 0181      | 324-4472 |
UK3452   |
|    104 | Mr        | Denver    | Enrica    | 1980-11-08 | 2001-10-20    | 7253      | 504-4434 |
ZA1342   |
|    105 | Ms        | Namowa    | Mirrelle  | 1990-03-14 | 2006-11-08    | 0181      | 890-3243 |
FR1001   |
+-----+
7 rows in set (0.00 sec)

```

```

MariaDB [themepark]> select * from employee order by emp_hire_date desc;
+-----+
| EMP_NUM | EMP_TITLE | EMP_LNAME | EMP_FNAME | EMP_DOB      | EMP_HIRE_DATE | EMP_AREA_CODE | EMP_PHONE |
PARK_CODE |
+-----+
|    105 | Ms        | Namowa    | Mirrelle  | 1990-03-14 | 2006-11-08    | 0181      | 890-3243 |
FR1001   |
|    104 | Mr        | Denver    | Enrica    | 1980-11-08 | 2001-10-20    | 7253      | 504-4434 |
ZA1342   |
|    101 | Ms        | Ricardo   | Marshal   | 1978-03-19 | 1996-04-25    | 0181      | 324-4472 |
UK3452   |

```

```

|      103 | Ms      | Roberts | Anne   | 1974-10-16 | 1994-08-16 | 0181      | 898-3456 |
UK3452    |
|      100 | Ms      | Calderdale | Emma   | 1972-06-15 | 1992-03-15 | 0181      | 324-9134 |
FR1001    |
|      102 | Mr      | Arshad   | Arif    | 1969-11-14 | 1990-12-20 | 7253      | 675-8993 |
FR1001    |
|      106 | Mrs     | Smith    | Gemma   | 1968-02-12 | 1989-01-05 | 0181      | 324-7845 |
ZA1342    |
+-----+-----+-----+-----+-----+-----+-----+-----+
-----+
7 rows in set (0.00 sec)

```

```

MariaDB [themepark]> select * from employee;
+-----+-----+-----+-----+-----+-----+-----+-----+
-----+
| EMP_NUM | EMP_TITLE | EMP_LNAME | EMP_FNAME | EMP_DOB      | EMP_HIRE_DATE | EMP_AREA_CODE | EMP_PHONE |
PARK_CODE |
+-----+-----+-----+-----+-----+-----+-----+-----+
-----+
|      100 | Ms      | Calderdale | Emma   | 1972-06-15 | 1992-03-15 | 0181      | 324-9134 |
FR1001    |
|      101 | Ms      | Ricardo    | Marshal | 1978-03-19 | 1996-04-25 | 0181      | 324-4472 |
UK3452    |
|      102 | Mr      | Arshad     | Arif    | 1969-11-14 | 1990-12-20 | 7253      | 675-8993 |
FR1001    |
|      103 | Ms      | Roberts    | Anne   | 1974-10-16 | 1994-08-16 | 0181      | 898-3456 |
UK3452    |
|      104 | Mr      | Denver     | Enrica  | 1980-11-08 | 2001-10-20 | 7253      | 504-4434 |
ZA1342    |
|      105 | Ms      | Namowa     | Mirrelle | 1990-03-14 | 2006-11-08 | 0181      | 890-3243 |
FR1001    |
|      106 | Mrs     | Smith      | Gemma   | 1968-02-12 | 1989-01-05 | 0181      | 324-7845 |
ZA1342    |
+-----+-----+-----+-----+-----+-----+-----+-----+
-----+
7 rows in set (0.00 sec)

```

```

MariaDB [themepark]> select * from employee order by emp_fname,emp_lname;
+-----+-----+-----+-----+-----+-----+-----+-----+
-----+
| EMP_NUM | EMP_TITLE | EMP_LNAME | EMP_FNAME | EMP_DOB      | EMP_HIRE_DATE | EMP_AREA_CODE | EMP_PHONE |
PARK_CODE |
+-----+-----+-----+-----+-----+-----+-----+-----+
-----+
|      103 | Ms      | Roberts    | Anne   | 1974-10-16 | 1994-08-16 | 0181      | 898-3456 |
UK3452    |
|      102 | Mr      | Arshad     | Arif    | 1969-11-14 | 1990-12-20 | 7253      | 675-8993 |
FR1001    |
|      100 | Ms      | Calderdale | Emma   | 1972-06-15 | 1992-03-15 | 0181      | 324-9134 |
FR1001    |
|      104 | Mr      | Denver     | Enrica  | 1980-11-08 | 2001-10-20 | 7253      | 504-4434 |
ZA1342    |
|      106 | Mrs     | Smith      | Gemma   | 1968-02-12 | 1989-01-05 | 0181      | 324-7845 |
ZA1342    |
|      101 | Ms      | Ricardo    | Marshal | 1978-03-19 | 1996-04-25 | 0181      | 324-4472 |
UK3452    |
|      105 | Ms      | Namowa     | Mirrelle | 1990-03-14 | 2006-11-08 | 0181      | 890-3243 |
FR1001    |
+-----+-----+-----+-----+-----+-----+-----+-----+
-----+
7 rows in set (0.00 sec)

```

```

MariaDB [themepark]> select * from employee;
+-----+-----+-----+-----+-----+-----+-----+-----+
-----+
| EMP_NUM | EMP_TITLE | EMP_LNAME | EMP_FNAME | EMP_DOB      | EMP_HIRE_DATE | EMP_AREA_CODE | EMP_PHONE |
PARK_CODE |
+-----+-----+-----+-----+-----+-----+-----+-----+
-----+

```

FR1001	100	Ms	Calderdale	Emma	1972-06-15	1992-03-15	0181	324-9134
UK3452	101	Ms	Ricardo	Marshall	1978-03-19	1996-04-25	0181	324-4472
FR1001	102	Mr	Arshad	Arif	1969-11-14	1990-12-20	7253	675-8993
UK3452	103	Ms	Roberts	Anne	1974-10-16	1994-08-16	0181	898-3456
ZA1342	104	Mr	Denver	Enrica	1980-11-08	2001-10-20	7253	504-4434
FR1001	105	Ms	Namowa	Mirrelle	1990-03-14	2006-11-08	0181	890-3243
ZA1342	106	Mrs	Smith	Gemma	1968-02-12	1989-01-05	0181	324-7845

7 rows in set (0.00 sec)

MariaDB [themepark]> select count(emp_num) from employee;

count(emp_num)
7

1 row in set (0.00 sec)

MariaDB [themepark]> select count(*) from employee;

count(*)
7

1 row in set (0.00 sec)

MariaDB [themepark]> show databases;

Database
blog
ggcsss
hr
information_schema
mysql
nucs
performance_schema
phpmyadmin
sales_co
test
themepark
thm
uni_a
uni_b
university

15 rows in set (0.00 sec)

MariaDB [themepark]> use sales_co

Database changed

MariaDB [sales_co]> show tables;

Tables_in_sales_co
customer
invoice
line
product
vendor

5 rows in set (0.00 sec)

MariaDB [sales_co]> SELECT * FROM PRODUCT;

P_CODE	P_DESCRIPT	P_INDATE	P_ONHAND	P_MIN	P_PRICE	P_DISCOUNT	V_CODE
11QER/31	Power painter, 15 psi., 3-nozzle	2003-11-03	8	5	109.99	0	25595
13-Q2/P2	7.25-in. pwr. saw blade	2003-12-13	32	15	14.99	0.0025	21344
14-Q1/L3	9.00-in. pwr. saw blade	2003-11-13	18	12	17.49	0	21344
1546-QQ2	Hrd. cloth, 1/4-in., 2x50	2004-01-04	15	8	39.95	0	23119
1558-QW1	Hrd. cloth, 1/2-in., 3x50	2004-01-15	23	5	43.99	0	23119
2232/PTY	B&D jigsaw, 12-in. blade	2003-12-10	8	5	109.92	0.05	24288
2232/QWE	B&D jigsaw, 8-in. blade	2003-12-24	6	5	99.87	0.05	24288
2238/QPD	B&D cordless drill, 1/2-in.	2004-01-20	12	5	38.95	0.0025	25595
23109-HB	Claw hammer	2004-01-20	23	10	9.95	0.005	21225
23114-AA	Sledge hammer, 12 lb.	2004-01-20	8	5	14.4	0.05	NULL
54778-2T	Rat-tail file, 1/8-in. fine	2003-12-15	43	20	4.99	0	21344
89-WRE-Q	Hicut chain saw, 16 in.	2004-02-17	11	5	256.99	0.0025	24288
PVC23DRT	PVC pipe, 3.5-in., 8-ft	2004-02-20	188	75	5.87	0	NULL
SM-18277	1.25-in. metal screw, 25	2004-03-01	172	75	6.99	0	21225
SW-23116	2.5-in. wd. screw, 50	2004-02-24	237	100	8.45	0	21231
WR3/TT3	Steel matting, 4'x8'x1/6", .5" mesh	2004-01-07	18	5	119.95	0.005	25595

16 rows in set (0.01 sec)

MariaDB [sales_co]> SELECT COUNT(V_CODE) FROM PRODUCT;

COUNT(V_CODE)
14

1 row in set (0.00 sec)

MariaDB [sales_co]> SELECT COUNT(V_CODE) FROM PRODUCT WHERE V_CODE IS NULL;

COUNT(V_CODE)
0

1 row in set (0.00 sec)

MariaDB [sales_co]> SELECT COUNT(*) FROM PRODUCT WHERE V_CODE IS NULL;

COUNT(*)
2

1 row in set (0.00 sec)

MariaDB [sales_co]> SELECT * FROM PRODUCT;

P_CODE	P_DESCRIPT	P_INDATE	P_ONHAND	P_MIN	P_PRICE	P_DISCOUNT
V_CODE						
11QER/31	Power painter, 15 psi., 3-nozzle	2003-11-03	8	5	109.99	0
25595						
13-Q2/P2	7.25-in. pwr. saw blade	2003-12-13	32	15	14.99	0.0025
21344						
14-Q1/L3	9.00-in. pwr. saw blade	2003-11-13	18	12	17.49	0
21344						
1546-QQ2	Hrd. cloth, 1/4-in., 2x50	2004-01-04	15	8	39.95	0
23119						
1558-QW1	Hrd. cloth, 1/2-in., 3x50	2004-01-15	23	5	43.99	0
23119						
2232/QTY	B&D jigsaw, 12-in. blade	2003-12-10	8	5	109.92	0.05
24288						
2232/QWE	B&D jigsaw, 8-in. blade	2003-12-24	6	5	99.87	0.05
24288						
2238/QPD	B&D cordless drill, 1/2-in.	2004-01-20	12	5	38.95	0.0025
25595						
23109-HB	Claw hammer	2004-01-20	23	10	9.95	0.005
21225						
23114-AA	Sledge hammer, 12 lb.	2004-01-20	8	5	14.4	0.05
NULL						
54778-2T	Rat-tail file, 1/8-in. fine	2003-12-15	43	20	4.99	0
21344						
89-WRE-Q	Hicut chain saw, 16 in.	2004-02-17	11	5	256.99	0.0025
24288						
PVC23DRT	PVC pipe, 3.5-in., 8-ft	2004-02-20	188	75	5.87	0
NULL						
SM-18277	1.25-in. metal screw, 25	2004-03-01	172	75	6.99	0
21225						
SW-23116	2.5-in. wd. screw, 50	2004-02-24	237	100	8.45	0
21231						
WR3/TT3	Steel matting, 4'x8'x1/6", .5" mesh	2004-01-07	18	5	119.95	0.005
25595						

16 rows in set (0.00 sec)

MariaDB [sales_co]> SELECT MIN(P_PRICE) FROM PRODUCT;

MIN(P_PRICE)
4.989999771118164

1 row in set (0.00 sec)

MariaDB [sales_co]> USE THEMEPARK;

Database changed

MariaDB [THEMEPARK]> show tables;

Tables_in_themepark
address
attraction
employee
hours
sales
sales_line
student
themepark
ticket

9 rows in set (0.00 sec)

MariaDB [THEMEPARK]> SELECT * FROM EMPLOYEE;

EMP_NUM	EMP_TITLE	EMP_LNAME	EMP_FNAME	EMP_DOB	EMP_HIRE_DATE	EMP_AREA_CODE	EMP_PHONE	PARK_CODE
100	Ms	Calderdale	Emma	1972-06-15	1992-03-15	0181	324-9134	FR1001
101	Ms	Ricardo	Marshall	1978-03-19	1996-04-25	0181	324-4472	UK3452
102	Mr	Arshad	Arif	1969-11-14	1990-12-20	7253	675-8993	FR1001
103	Ms	Roberts	Anne	1974-10-16	1994-08-16	0181	898-3456	UK3452
104	Mr	Denver	Enrica	1980-11-08	2001-10-20	7253	504-4434	ZA1342
105	Ms	Namowa	Mirrelle	1990-03-14	2006-11-08	0181	890-3243	FR1001
106	Mrs	Smith	Gemma	1968-02-12	1989-01-05	0181	324-7845	ZA1342

7 rows in set (0.00 sec)

MariaDB [THEMEPARK]> SELECT COUNT(*) FROM EMPLOYEE;

COUNT(*)
7

1 row in set (0.00 sec)

MariaDB [THEMEPARK]> SELECT COUNT(*),PARK_CODE FROM EMPLOYEE GROUP BY PARK_CODE;

COUNT(*)	PARK_CODE
3	FR1001
2	UK3452
2	ZA1342

3 rows in set (0.00 sec)

MariaDB [THEMEPARK]> SELECT * FROM THEMEPARK;

PARK_CODE	PARK_NAME	PARK_CITY	PARK_COUNTRY
FR1001	FairyLand	PARIS	FR
NL1202	Efling	NOORD	NL
SP4533	AdventurePort	BARCELONA	SP
SW2323	Labyrinthe	LAUSANNE	SW
UK2622	MiniLand	WINDSOR	UK
UK3452	PleasureLand	STOKE	UK
ZA1342	GoldTown	JOHANNESBURG	ZA

7 rows in set (0.01 sec)

MariaDB [THEMEPARK]> SELECT COUNT(*) FROM THEMEPARK GROUP BY PARK_COUNTRY;

COUNT(*)
1
1
1
1
2
1

6 rows in set (0.00 sec)


```
MariaDB [THEMEPARK]> SELECT COUNT(*),PARK_COUNTRY FROM THEMEPARK GROUP BY PARK_COUNTRY;
```

```
+-----+-----+
| COUNT(*) | PARK_COUNTRY |
+-----+-----+
|      1 | FR          |
|      1 | NL          |
|      1 | SP          |
|      1 | SW          |
|      2 | UK          |
|      1 | ZA          |
+-----+-----+
```

```
6 rows in set (0.00 sec)
```

```
MariaDB [THEMEPARK]> SEELCT * FROM EMPLOYEE;
```

```
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 'SEELCT * FROM EMPLOYEE' at line 1
```

```
MariaDB [THEMEPARK]> SELECT * FROM EMPLOYEE;
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+
| EMP_NUM | EMP_TITLE | EMP_LNAME | EMP_FNAME | EMP_DOB   | EMP_HIRE_DATE | EMP_AREA_CODE | EMP_PHONE |
PARK_CODE |
+-----+-----+-----+-----+-----+-----+-----+-----+
|      100 | Ms       | Calderdale | Emma      | 1972-06-15 | 1992-03-15    | 0181          | 324-9134 |
FR1001    |
|      101 | Ms       | Ricardo   | Marshall  | 1978-03-19 | 1996-04-25    | 0181          | 324-4472 |
UK3452    |
|      102 | Mr       | Arshad    | Arif      | 1969-11-14 | 1990-12-20    | 7253          | 675-8993 |
FR1001    |
|      103 | Ms       | Roberts   | Anne      | 1974-10-16 | 1994-08-16    | 0181          | 898-3456 |
UK3452    |
|      104 | Mr       | Denver    | Enrica    | 1980-11-08 | 2001-10-20    | 7253          | 504-4434 |
ZA1342    |
|      105 | Ms       | Namowa    | Mirrelle  | 1990-03-14 | 2006-11-08    | 0181          | 890-3243 |
FR1001    |
|      106 | Mrs      | Smith     | Gemma     | 1968-02-12 | 1989-01-05    | 0181          | 324-7845 |
ZA1342    |
+-----+-----+-----+-----+-----+-----+-----+-----+
```

```
7 rows in set (0.00 sec)
```

```
MariaDB [THEMEPARK]> SELECT COUNT(*) FROM EMPLOYEE GROUP BY PARK_CODE,EMP_TITLE;
```

```
+-----+
| COUNT(*) |
+-----+
|      1 |
|      2 |
|      2 |
|      1 |
|      1 |
+-----+
```

```
5 rows in set (0.00 sec)
```

```
MariaDB [THEMEPARK]> SELECT COUNT(*),PARK_CODE,EMP_TITLE FROM EMPLOYEE GROUP BY PARK_CODE,EMP_TITLE;
```

```
+-----+-----+-----+
| COUNT(*) | PARK_CODE | EMP_TITLE |
+-----+-----+-----+
|      1 | FR1001    | Mr       |
|      2 | FR1001    | Ms       |
|      2 | UK3452    | Ms       |
|      1 | ZA1342    | Mr       |
|      1 | ZA1342    | Mrs      |
+-----+-----+-----+
```

```
5 rows in set (0.00 sec)
```

```
MariaDB [THEMEPARK]> SELECT COUNT(*),PARK_CODE,EMP_TITLE,EMP_DOB FROM EMPLOYEE GROUP BY PARK_CODE,EMP_TITLE;
```

```
+-----+-----+-----+
| COUNT(*) | PARK_CODE | EMP_TITLE | EMP_DOB   |
+-----+-----+-----+
```

1	FR1001	Mr	1969-11-14
2	FR1001	Ms	1972-06-15
2	UK3452	Ms	1978-03-19
1	ZA1342	Mr	1980-11-08
1	ZA1342	Mrs	1968-02-12

5 rows in set (0.00 sec)

```
MariaDB [THEMEPARK]> SELECT COUNT(*),PARK_CODE,EMP_TITLE FROM EMPLOYEE GROUP BY PARK_CODE,EMP_TITLE;
```

COUNT(*)	PARK_CODE	EMP_TITLE
1	FR1001	Mr
2	FR1001	Ms
2	UK3452	Ms
1	ZA1342	Mr
1	ZA1342	Mrs

5 rows in set (0.00 sec)

```
MariaDB [THEMEPARK]> select * from ticket
-> ;
```

TICKET_NO	TICKET_PRICE	TICKET_TYPE	PARK_CODE
11001	24.99	Adult	SP4533
11002	14.99	Child	SP4533
11003	10.99	Senior	SP4533
13001	18.99	Child	FR1001
13002	34.99	Adult	FR1001
13003	20.99	Senior	FR1001
67832	18.56	Child	ZA1342
67833	28.67	Adult	ZA1342
67855	12.12	Senior	ZA1342
88567	22.50	Child	UK3452
88568	42.10	Adult	UK3452
89720	10.99	Senior	UK3452

12 rows in set (0.01 sec)

```
MariaDB [THEMEPARK]> SELECT AVG(TICKET_PRICE), PARK_CODE FROM TICKET GROUP BY PARK_CODE;
```

AVG(TICKET_PRICE)	PARK_CODE
24.990000	FR1001
16.990000	SP4533
25.196667	UK3452
19.783333	ZA1342

4 rows in set (0.00 sec)

```
MariaDB [THEMEPARK]> SELECT AVG(TICKET_PRICE), PARK_CODE FROM TICKET GROUP BY PARK_CODE HAVING
AVG(TICKET_PRICE) < 20;
```

AVG(TICKET_PRICE)	PARK_CODE
16.990000	SP4533
19.783333	ZA1342

2 rows in set (0.00 sec)

```
MariaDB [THEMEPARK]> SELECT PARK_CODE FROM TICKET GROUP BY PARK_CODE HAVING AVG(TICKET_PRICE) < 20;
```

PARK_CODE
SP4533
ZA1342

2 rows in set (0.00 sec)

```
MariaDB [THEMEPARK]> SELECT AVG(TICKET_PRICE), PARK_CODE FROM TICKET GROUP BY PARK_CODE HAVING
AVG(TICKET_PRICE) < 20;
```

```
+-----+-----+
| AVG(TICKET_PRICE) | PARK_CODE |
+-----+-----+
|          16.990000 | SP4533    |
|          19.783333 | ZA1342    |
+-----+-----+
2 rows in set (0.00 sec)
```

```
MariaDB [THEMEPARK]> SELECT AVG(TICKET_PRICE), PARK_CODE FROM TICKET WHERE AVG(TICKET_PRICE) GROUP BY
PARK_CODE;
```

ERROR 1111 (HY000): Invalid use of group function

```
MariaDB [THEMEPARK]> SELECT AVG(TICKET_PRICE), PARK_CODE FROM TICKET WHERE PARK_CODE != 'UK3452' GROUP BY
PARK_CODE;
```

```
+-----+-----+
| AVG(TICKET_PRICE) | PARK_CODE |
+-----+-----+
|          24.990000 | FR1001    |
|          16.990000 | SP4533    |
|          19.783333 | ZA1342    |
+-----+-----+
3 rows in set (0.00 sec)
```

```
MariaDB [THEMEPARK]> SELECT AVG(TICKET_PRICE), PARK_CODE FROM TICKET WHERE PARK_CODE != 'UK3452' GROUP BY
PARK_CODE HAVING AVG(TICKET_PRICE)<20;
```

```
+-----+-----+
| AVG(TICKET_PRICE) | PARK_CODE |
+-----+-----+
|          16.990000 | SP4533    |
|          19.783333 | ZA1342    |
+-----+-----+
2 rows in set (0.00 sec)
```

```
MariaDB [THEMEPARK]> SHOW TABLES;
```

```
+-----+
| Tables_in_themepark |
+-----+
| address              |
| attraction            |
| employee              |
| hours                |
| sales                 |
| sales_line            |
| student               |
| themepark             |
| ticket                |
+-----+
9 rows in set (0.00 sec)
```

```
MariaDB [THEMEPARK]> SELECT * FROM SALES;
```

```
+-----+-----+-----+
| TRANSACTION_NO | PARK_CODE | SALE_DATE |
+-----+-----+-----+
|          12781 | FR1001    | 2007-05-18 |
|          12782 | FR1001    | 2007-05-18 |
|          12783 | FR1001    | 2007-05-18 |
|          12784 | FR1001    | 2007-05-18 |
|          12785 | FR1001    | 2007-05-18 |
|          12786 | FR1001    | 2007-05-18 |
|          34534 | UK3452    | 2007-05-18 |
|          34535 | UK3452    | 2007-05-18 |
|          34536 | UK3452    | 2007-05-18 |
|          34537 | UK3452    | 2007-05-18 |
|          34538 | UK3452    | 2007-05-18 |
|          34539 | UK3452    | 2007-05-18 |
|          34540 | UK3452    | 2007-05-18 |
|          34541 | UK3452    | 2007-05-18 |
```

67589	ZA1342	2007-05-18
67590	ZA1342	2007-05-18
67591	ZA1342	2007-05-18
67592	ZA1342	2007-05-18
67593	ZA1342	2007-05-18

-----+
19 rows in set (0.01 sec)

MariaDB [THEMEPARK]> SELECT * FROM SALES_LINE;

TRANSACTION_NO	LINE_NO	TICKET_NO	LINE_QTY	LINE_PRICE
12781	1	13002	2	69.98
12781	2	13001	1	14.99
12782	1	13002	2	69.98
12783	1	13003	2	41.98
12784	2	13001	1	14.99
12785	1	13001	1	14.99
12785	2	13002	1	34.99
12785	3	13002	4	139.96
34534	1	88568	4	168.40
34534	2	88567	1	22.50
34534	3	89720	2	21.98
34535	1	88568	2	84.20
34536	1	89720	2	21.98
34537	1	88568	2	84.20
34537	2	88567	1	22.50
34538	1	89720	2	21.98
34539	1	89720	2	21.98
34539	2	88568	2	84.20
34540	1	88568	4	168.40
34540	2	88567	1	22.50
34540	3	89720	2	21.98
34541	1	88568	2	84.20
67589	1	67833	2	57.34
67589	2	67832	2	37.12
67590	1	67833	2	57.34
67590	2	67832	2	37.12
67591	1	67832	1	18.56
67591	2	67855	1	12.12
67592	1	67833	4	114.68
67593	1	67833	2	57.34
67593	2	67832	2	37.12

-----+
31 rows in set (0.01 sec)

MariaDB [THEMEPARK]> SELECT * FROM TICKET;

TICKET_NO	TICKET_PRICE	TICKET_TYPE	PARK_CODE
11001	24.99	Adult	SP4533
11002	14.99	Child	SP4533
11003	10.99	Senior	SP4533
13001	18.99	Child	FR1001
13002	34.99	Adult	FR1001
13003	20.99	Senior	FR1001
67832	18.56	Child	ZA1342
67833	28.67	Adult	ZA1342
67855	12.12	Senior	ZA1342
88567	22.50	Child	UK3452
88568	42.10	Adult	UK3452
89720	10.99	Senior	UK3452

-----+
12 rows in set (0.00 sec)

MariaDB [THEMEPARK]> SELECT * FROM SALES_LINE;

TRANSACTION_NO	LINE_NO	TICKET_NO	LINE_QTY	LINE_PRICE
----------------	---------	-----------	----------	------------

12781	1	13002	2	69.98
12781	2	13001	1	14.99
12782	1	13002	2	69.98
12783	1	13003	2	41.98
12784	2	13001	1	14.99
12785	1	13001	1	14.99
12785	2	13002	1	34.99
12785	3	13002	4	139.96
34534	1	88568	4	168.40
34534	2	88567	1	22.50
34534	3	89720	2	21.98
34535	1	88568	2	84.20
34536	1	89720	2	21.98
34537	1	88568	2	84.20
34537	2	88567	1	22.50
34538	1	89720	2	21.98
34539	1	89720	2	21.98
34539	2	88568	2	84.20
34540	1	88568	4	168.40
34540	2	88567	1	22.50
34540	3	89720	2	21.98
34541	1	88568	2	84.20
67589	1	67833	2	57.34
67589	2	67832	2	37.12
67590	1	67833	2	57.34
67590	2	67832	2	37.12
67591	1	67832	1	18.56
67591	2	67855	1	12.12
67592	1	67833	4	114.68
67593	1	67833	2	57.34
67593	2	67832	2	37.12

31 rows in set (0.00 sec)

MariaDB [THEMEPARK]> SELECT SUM(LINE_QTY), TRANSACTION_NO FROM SALES_LINE WHERE TRANSACTION_NO != 12781 GROUP BY TRANSACTION_NO;

SUM(LINE_QTY)	TRANSACTION_NO
2	12782
2	12783
1	12784
6	12785
7	34534
2	34535
2	34536
3	34537
2	34538
4	34539
7	34540
2	34541
4	67589
4	67590
2	67591
4	67592
4	67593

17 rows in set (0.00 sec)

MariaDB [THEMEPARK]> SELECT SUM(LINE_QTY), AVG(LINE_PRICE) TRANSACTION_NO FROM SALES_LINE WHERE TRANSACTION_NO != 12781 GROUP BY TRANSACTION_NO;

SUM(LINE_QTY)	TRANSACTION_NO
2	69.980000
2	41.980000
1	14.990000
6	63.313333
7	70.960000

2	84.200000
2	21.980000
3	53.350000
2	21.980000
4	53.090000
7	70.960000
2	84.200000
4	47.230000
4	47.230000
2	15.340000
4	114.680000
4	47.230000

17 rows in set, 1 warning (0.00 sec)

MariaDB [THEMEPARK]> SELECT SUM(LINE_QTY), AVG(LINE_PRICE), TRANSACTION_NO FROM SALES_LINE WHERE TRANSACTION_NO != 12781 GROUP BY TRANSACTION_NO;

SUM(LINE_QTY)	AVG(LINE_PRICE)	TRANSACTION_NO
2	69.980000	12782
2	41.980000	12783
1	14.990000	12784
6	63.313333	12785
7	70.960000	34534
2	84.200000	34535
2	21.980000	34536
3	53.350000	34537
2	21.980000	34538
4	53.090000	34539
7	70.960000	34540
2	84.200000	34541
4	47.230000	67589
4	47.230000	67590
2	15.340000	67591
4	114.680000	67592
4	47.230000	67593

17 rows in set (0.00 sec)

MariaDB [THEMEPARK]> SHOW TABLES;

Tables_in_themepark
address
attraction
employee
hours
sales
sales_line
student
themepark
ticket

9 rows in set (0.00 sec)

MariaDB [THEMEPARK]> select * from themepark;

PARK_CODE	PARK_NAME	PARK_CITY	PARK_COUNTRY
FR1001	FairyLand	PARIS	FR
NL1202	Efling	NOORD	NL
SP4533	AdventurePort	BARCELONA	SP
SW2323	Labyrinthe	LAUSANNE	SW
UK2622	MiniLand	WINDSOR	UK
UK3452	PleasureLand	STOKE	UK
ZA1342	GoldTown	JOHANNESBURG	ZA

7 rows in set (0.00 sec)

MariaDB [THEMEPARK]> select * from employee;

EMP_NUM	EMP_TITLE	EMP_LNAME	EMP_FNAME	EMP_DOB	EMP_HIRE_DATE	EMP_AREA_CODE	EMP_PHONE	PARK_CODE
100	Ms	Calderdale	Emma	1972-06-15	1992-03-15	0181	324-9134	FR1001
101	Ms	Ricardo	Marshall	1978-03-19	1996-04-25	0181	324-4472	UK3452
102	Mr	Arshad	Arif	1969-11-14	1990-12-20	7253	675-8993	FR1001
103	Ms	Roberts	Anne	1974-10-16	1994-08-16	0181	898-3456	UK3452
104	Mr	Denver	Enrica	1980-11-08	2001-10-20	7253	504-4434	ZA1342
105	Ms	Namowa	Mirrelle	1990-03-14	2006-11-08	0181	890-3243	FR1001
106	Mrs	Smith	Gemma	1968-02-12	1989-01-05	0181	324-7845	ZA1342

7 rows in set (0.00 sec)

MariaDB [THEMEPARK]> SELECT EMP_FNAME, EMP_HIRE_DATE, PARK_NAME, PARK_CITY FROM EMPLOYEE, THEMEPARK;

EMP_FNAME	EMP_HIRE_DATE	PARK_NAME	PARK_CITY
Emma	1992-03-15	FairyLand	PARIS
Marshall	1996-04-25	FairyLand	PARIS
Arif	1990-12-20	FairyLand	PARIS
Anne	1994-08-16	FairyLand	PARIS
Enrica	2001-10-20	FairyLand	PARIS
Mirrelle	2006-11-08	FairyLand	PARIS
Gemma	1989-01-05	FairyLand	PARIS
Emma	1992-03-15	Efiling	NOORD
Marshall	1996-04-25	Efiling	NOORD
Arif	1990-12-20	Efiling	NOORD
Anne	1994-08-16	Efiling	NOORD
Enrica	2001-10-20	Efiling	NOORD
Mirrelle	2006-11-08	Efiling	NOORD
Gemma	1989-01-05	Efiling	NOORD
Emma	1992-03-15	AdventurePort	BARCELONA
Marshall	1996-04-25	AdventurePort	BARCELONA
Arif	1990-12-20	AdventurePort	BARCELONA
Anne	1994-08-16	AdventurePort	BARCELONA
Enrica	2001-10-20	AdventurePort	BARCELONA
Mirrelle	2006-11-08	AdventurePort	BARCELONA
Gemma	1989-01-05	AdventurePort	BARCELONA
Emma	1992-03-15	Labyrinthe	LAUSANNE
Marshall	1996-04-25	Labyrinthe	LAUSANNE
Arif	1990-12-20	Labyrinthe	LAUSANNE
Anne	1994-08-16	Labyrinthe	LAUSANNE
Enrica	2001-10-20	Labyrinthe	LAUSANNE
Mirrelle	2006-11-08	Labyrinthe	LAUSANNE
Gemma	1989-01-05	Labyrinthe	LAUSANNE
Emma	1992-03-15	MiniLand	WINDSOR
Marshall	1996-04-25	MiniLand	WINDSOR
Arif	1990-12-20	MiniLand	WINDSOR
Anne	1994-08-16	MiniLand	WINDSOR
Enrica	2001-10-20	MiniLand	WINDSOR
Mirrelle	2006-11-08	MiniLand	WINDSOR
Gemma	1989-01-05	MiniLand	WINDSOR
Emma	1992-03-15	PleasureLand	STOKE
Marshall	1996-04-25	PleasureLand	STOKE
Arif	1990-12-20	PleasureLand	STOKE
Anne	1994-08-16	PleasureLand	STOKE

Enrica	2001-10-20	PleasureLand	STOKE
Mirrelle	2006-11-08	PleasureLand	STOKE
Gemma	1989-01-05	PleasureLand	STOKE
Emma	1992-03-15	GoldTown	JOHANNESBURG
Marshall	1996-04-25	GoldTown	JOHANNESBURG
Arif	1990-12-20	GoldTown	JOHANNESBURG
Anne	1994-08-16	GoldTown	JOHANNESBURG
Enrica	2001-10-20	GoldTown	JOHANNESBURG
Mirrelle	2006-11-08	GoldTown	JOHANNESBURG
Gemma	1989-01-05	GoldTown	JOHANNESBURG

49 rows in set (0.00 sec)

```
MariaDB [THEMEPARK]> SELECT EMP_FNAME, EMP_HIRE_DATE, PARK_NAME, PARK_CITY FROM EMPLOYEE, THEMEPARK WHERE
THEMEPARK.PARK_CODE = EMPLOYEE.PARK_CODE;
```

EMP_FNAME	EMP_HIRE_DATE	PARK_NAME	PARK_CITY
Emma	1992-03-15	FairyLand	PARIS
Marshall	1996-04-25	PleasureLand	STOKE
Arif	1990-12-20	FairyLand	PARIS
Anne	1994-08-16	PleasureLand	STOKE
Enrica	2001-10-20	GoldTown	JOHANNESBURG
Mirrelle	2006-11-08	FairyLand	PARIS
Gemma	1989-01-05	GoldTown	JOHANNESBURG

7 rows in set (0.00 sec)

```
MariaDB [THEMEPARK]> SELECT EMP_FNAME, EMP_HIRE_DATE, PARK_NAME, PARK_CITY FROM EMPLOYEE, THEMEPARK WHERE
THEMEPARK.PARK_CODE = EMPLOYEE.PARK_CODE, PARK_CITY = 'PARIS';
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 ' PARK_CITY = 'PARIS'' at line 1
```

```
MariaDB [THEMEPARK]> SELECT EMP_FNAME, EMP_HIRE_DATE, PARK_NAME, PARK_CITY FROM EMPLOYEE, THEMEPARK WHERE
THEMEPARK.PARK_CODE = EMPLOYEE.PARK_CODE AND PARK_CITY = 'PARIS';
```

EMP_FNAME	EMP_HIRE_DATE	PARK_NAME	PARK_CITY
Emma	1992-03-15	FairyLand	PARIS
Arif	1990-12-20	FairyLand	PARIS
Mirrelle	2006-11-08	FairyLand	PARIS

3 rows in set (0.00 sec)

```
MariaDB [THEMEPARK]> SELECT EMP_FNAME, EMP_HIRE_DATE, PARK_NAME, PARK_CITY FROM EMPLOYEE, THEMEPARK WHERE
THEMEPARK.PARK_CODE = EMPLOYEE.PARK_CODE;
```

EMP_FNAME	EMP_HIRE_DATE	PARK_NAME	PARK_CITY
Emma	1992-03-15	FairyLand	PARIS
Marshall	1996-04-25	PleasureLand	STOKE
Arif	1990-12-20	FairyLand	PARIS
Anne	1994-08-16	PleasureLand	STOKE
Enrica	2001-10-20	GoldTown	JOHANNESBURG
Mirrelle	2006-11-08	FairyLand	PARIS
Gemma	1989-01-05	GoldTown	JOHANNESBURG

7 rows in set (0.00 sec)

```
MariaDB [THEMEPARK]> SELECT EMP_FNAME, EMP_HIRE_DATE, PARK_NAME, PARK_CITY FROM EMPLOYEE NATURAL JOIN
THEMEPARK;
```

EMP_FNAME	EMP_HIRE_DATE	PARK_NAME	PARK_CITY
Emma	1992-03-15	FairyLand	PARIS
Marshall	1996-04-25	PleasureLand	STOKE
Arif	1990-12-20	FairyLand	PARIS
Anne	1994-08-16	PleasureLand	STOKE
Enrica	2001-10-20	GoldTown	JOHANNESBURG
Mirrelle	2006-11-08	FairyLand	PARIS


```
| Gemma      | 1989-01-05 | GoldTown | JOHANNESBURG |
+-----+-----+-----+
7 rows in set (0.00 sec)
```

```
MariaDB [THEMEPARK]> SELECT * FROM HOURS
-> ;
```

```
+-----+-----+-----+-----+-----+
| EMP_NUM | ATTRACT_NO | HOURS_PER_ATTRACT | HOUR_RATE | DATE_WORKED |
+-----+-----+-----+-----+-----+
| 100     | 10034      | 6                | 6.50      | 2007-05-18  |
| 100     | 10034      | 6                | 6.50      | 2007-05-20  |
| 101     | 10034      | 6                | 6.50      | 2007-05-18  |
| 102     | 30012      | 3                | 5.99      | 2007-05-23  |
| 102     | 30044      | 6                | 5.99      | 2007-05-21  |
| 102     | 30044      | 3                | 5.99      | 2007-05-22  |
| 104     | 30011      | 6                | 7.20      | 2007-05-21  |
| 104     | 30012      | 6                | 7.20      | 2007-05-22  |
| 105     | 10078      | 3                | 8.50      | 2007-05-18  |
| 105     | 10098      | 3                | 8.50      | 2007-05-18  |
| 105     | 10098      | 6                | 8.50      | 2007-05-19  |
+-----+-----+-----+-----+-----+
11 rows in set (0.01 sec)
```

```
MariaDB [THEMEPARK]> SELECT EMP_FNAME, HOURS_PER_ATTRACT, DATE_WORKED, PARK_NAME, PARK_CITY FROM EMPLOYEE
NATURAL JOIN THEMEPARK NATURAL JOIN HOURS;
```

```
+-----+-----+-----+-----+-----+
| EMP_FNAME | HOURS_PER_ATTRACT | DATE_WORKED | PARK_NAME | PARK_CITY |
+-----+-----+-----+-----+-----+
| Emma      | 6                | 2007-05-18  | FairyLand | PARIS      |
| Emma      | 6                | 2007-05-20  | FairyLand | PARIS      |
| Marshal   | 6                | 2007-05-18  | PleasureLand | STOKE    |
| Arif      | 3                | 2007-05-23  | FairyLand | PARIS      |
| Arif      | 6                | 2007-05-21  | FairyLand | PARIS      |
| Arif      | 3                | 2007-05-22  | FairyLand | PARIS      |
| Enrica    | 6                | 2007-05-21  | GoldTown  | JOHANNESBURG |
| Enrica    | 6                | 2007-05-22  | GoldTown  | JOHANNESBURG |
| Mirrelle  | 3                | 2007-05-18  | FairyLand | PARIS      |
| Mirrelle  | 3                | 2007-05-18  | FairyLand | PARIS      |
| Mirrelle  | 6                | 2007-05-19  | FairyLand | PARIS      |
+-----+-----+-----+-----+-----+
11 rows in set (0.00 sec)
```

```
MariaDB [THEMEPARK]> SELECT * FROM ATTRACTION;
```

```
+-----+-----+-----+-----+-----+
| ATTRACT_NO | ATTRACT_NAME | ATTRACT_AGE | ATTRACT_CAPACITY | PARK_CODE |
+-----+-----+-----+-----+-----+
| 10034      | ThunderCoaster | 11          | 34               | FR1001     |
| 10056      | SpinningTeacups | 4           | 62               | FR1001     |
| 10067      | FlightToStars  | 11          | 24               | FR1001     |
| 10078      | Ant-Trap       | 23          | 30               | FR1001     |
| 10082      | NULL           | 10          | 40               | ZA1342     |
| 10098      | Carnival       | 3           | 120              | FR1001     |
| 20056      | 3D-Lego_Show  | 3           | 200              | UK3452     |
| 30011      | BlackHole2     | 12          | 34               | UK3452     |
| 30012      | Pirates        | 10          | 42               | UK3452     |
| 30044      | UnderSeaWord   | 4           | 80               | UK3452     |
| 98764      | GoldRush       | 5           | 80               | ZA1342     |
+-----+-----+-----+-----+-----+
11 rows in set (0.01 sec)
```

```
MariaDB [THEMEPARK]> SELECT EMP_FNAME, HOURS_PER_ATTRACT, ATTRACT_NAME, DATE_WORKED, PARK_NAME, PARK_CITY FROM
EMPLOYEE NATURAL JOIN THEMEPARK NATURAL JOIN HOURS NATURAL JOIN ATTRACTION;
```

```
+-----+-----+-----+-----+-----+
| EMP_FNAME | HOURS_PER_ATTRACT | ATTRACT_NAME | DATE_WORKED | PARK_NAME | PARK_CITY |
+-----+-----+-----+-----+-----+
| Emma      | 6                | ThunderCoaster | 2007-05-18  | FairyLand | PARIS      |
| Emma      | 6                | ThunderCoaster | 2007-05-20  | FairyLand | PARIS      |
| Mirrelle  | 3                | Ant-Trap       | 2007-05-18  | FairyLand | PARIS      |
| Mirrelle  | 3                | Carnival       | 2007-05-18  | FairyLand | PARIS      |
+-----+-----+-----+-----+-----+
```

```
| Mirrelle |          6 | Carnival | 2007-05-19 | FairyLand | PARIS |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
MariaDB [THEMEPARK]> SELECT EMP_FNAME, HOURS_PER_ATTRACT, ATTRACT_NAME, DATE_WORKED, PARK_NAME, PARK_CITY FROM
EMPLOYEE NATURAL JOIN THEMEPARK NATURAL JOIN HOURS;
ERROR 1054 (42S22): Unknown column 'ATTRACT_NAME' in 'field list'
```

```
MariaDB [THEMEPARK]> SELECT EMP_FNAME, HOURS_PER_ATTRACT, DATE_WORKED, PARK_NAME, PARK_CITY FROM EMPLOYEE
NATURAL JOIN THEMEPARK NATURAL JOIN HOURS;
```

```
+-----+-----+-----+-----+-----+
| EMP_FNAME | HOURS_PER_ATTRACT | DATE_WORKED | PARK_NAME | PARK_CITY |
+-----+-----+-----+-----+-----+
| Emma | 6 | 2007-05-18 | FairyLand | PARIS |
| Emma | 6 | 2007-05-20 | FairyLand | PARIS |
| Marshal | 6 | 2007-05-18 | PleasureLand | STOKE |
| Arif | 3 | 2007-05-23 | FairyLand | PARIS |
| Arif | 6 | 2007-05-21 | FairyLand | PARIS |
| Arif | 3 | 2007-05-22 | FairyLand | PARIS |
| Enrica | 6 | 2007-05-21 | GoldTown | JOHANNESBURG |
| Enrica | 6 | 2007-05-22 | GoldTown | JOHANNESBURG |
| Mirrelle | 3 | 2007-05-18 | FairyLand | PARIS |
| Mirrelle | 3 | 2007-05-18 | FairyLand | PARIS |
| Mirrelle | 6 | 2007-05-19 | FairyLand | PARIS |
+-----+-----+-----+-----+-----+
11 rows in set (0.00 sec)
```

```
MariaDB [THEMEPARK]> SELECT EMP_FNAME, HOURS_PER_ATTRACT, ATTRACT_NAME, DATE_WORKED, PARK_NAME, PARK_CITY FROM
EMPLOYEE NATURAL JOIN THEMEPARK NATURAL JOIN HOURS NATURAL JOIN ATTRACTION;
```

```
+-----+-----+-----+-----+-----+-----+
| EMP_FNAME | HOURS_PER_ATTRACT | ATTRACT_NAME | DATE_WORKED | PARK_NAME | PARK_CITY |
+-----+-----+-----+-----+-----+-----+
| Emma | 6 | ThunderCoaster | 2007-05-18 | FairyLand | PARIS |
| Emma | 6 | ThunderCoaster | 2007-05-20 | FairyLand | PARIS |
| Mirrelle | 3 | Ant-Trap | 2007-05-18 | FairyLand | PARIS |
| Mirrelle | 3 | Carnival | 2007-05-18 | FairyLand | PARIS |
| Mirrelle | 6 | Carnival | 2007-05-19 | FairyLand | PARIS |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
MariaDB [THEMEPARK]> SELECT EMP_FNAME, EMP_HIRE_DATE, PARK_NAME, PARK_CITY FROM EMPLOYEE JOIN THEMEPARK
USING(PARK_CODE);
```

```
+-----+-----+-----+-----+
| EMP_FNAME | EMP_HIRE_DATE | PARK_NAME | PARK_CITY |
+-----+-----+-----+-----+
| Emma | 1992-03-15 | FairyLand | PARIS |
| Marshal | 1996-04-25 | PleasureLand | STOKE |
| Arif | 1990-12-20 | FairyLand | PARIS |
| Anne | 1994-08-16 | PleasureLand | STOKE |
| Enrica | 2001-10-20 | GoldTown | JOHANNESBURG |
| Mirrelle | 2006-11-08 | FairyLand | PARIS |
| Gemma | 1989-01-05 | GoldTown | JOHANNESBURG |
+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

```
MariaDB [THEMEPARK]> SELECT EMP_FNAME, EMP_HIRE_DATE, PARK_NAME, PARK_CITY FROM EMPLOYEE JOIN THEMEPARK
USING(PARK_CODE) JOIN HOURS USING(EMP_NO);
```

```
ERROR 1054 (42S22): Unknown column 'EMP_NO' in 'from clause'
```

```
MariaDB [THEMEPARK]> SELECT EMP_FNAME, EMP_HIRE_DATE, PARK_NAME, PARK_CITY FROM EMPLOYEE JOIN THEMEPARK
USING(PARK_CODE) JOIN HOURS USING(EMP_NO);
```

```
ERROR 1054 (42S22): Unknown column 'EMP_NO' in 'from clause'
```

```
MariaDB [THEMEPARK]> SELECT EMP_FNAME, EMP_HIRE_DATE, PARK_NAME, PARK_CITY FROM EMPLOYEE JOIN THEMEPARK
USING(PARK_CODE) JOIN HOURS USING(EMP_NUM);
```

```
+-----+-----+-----+-----+
| EMP_FNAME | EMP_HIRE_DATE | PARK_NAME | PARK_CITY |
+-----+-----+-----+-----+
| Emma | 1992-03-15 | FairyLand | PARIS |
| Emma | 1992-03-15 | FairyLand | PARIS |
| Marshal | 1996-04-25 | PleasureLand | STOKE |
| Arif | 1990-12-20 | FairyLand | PARIS |
+-----+-----+-----+-----+
```

Arif	1990-12-20	FairyLand	PARIS	
Arif	1990-12-20	FairyLand	PARIS	
Enrica	2001-10-20	GoldTown	JOHANNESBURG	
Enrica	2001-10-20	GoldTown	JOHANNESBURG	
Mirrelle	2006-11-08	FairyLand	PARIS	
Mirrelle	2006-11-08	FairyLand	PARIS	
Mirrelle	2006-11-08	FairyLand	PARIS	

```
+-----+-----+-----+-----+
11 rows in set (0.00 sec)
```

```
MariaDB [THEMEPARK]> SELECT EMP_FNAME, EMP_HIRE_DATE, PARK_NAME, PARK_CITY FROM EMPLOYEE JOIN THEMEPARK
USING(PARK_CODE) JOIN HOURS USING(EMP_NUM) JOIN ATTRACTION USING(ATTRACTION_NO);
```

```
ERROR 1054 (42S22): Unknown column 'ATTRACTION_NO' in 'from clause'
```

```
MariaDB [THEMEPARK]> SELECT EMP_FNAME, EMP_HIRE_DATE, PARK_NAME, PARK_CITY FROM EMPLOYEE JOIN THEMEPARK
USING(PARK_CODE) JOIN HOURS USING(EMP_NUM) JOIN ATTRACTION USING(ATTRACTION_NUM);
```

```
ERROR 1054 (42S22): Unknown column 'ATTRACTION_NUM' in 'from clause'
```

```
MariaDB [THEMEPARK]> SELECT EMP_FNAME, EMP_HIRE_DATE, PARK_NAME, PARK_CITY FROM EMPLOYEE JOIN THEMEPARK
USING(PARK_CODE) JOIN HOURS USING(EMP_NUM) JOIN ATTRACTION USING(ATTRACT_NO);
```

EMP_FNAME	EMP_HIRE_DATE	PARK_NAME	PARK_CITY	
Emma	1992-03-15	FairyLand	PARIS	
Emma	1992-03-15	FairyLand	PARIS	
Marshall	1996-04-25	PleasureLand	STOKE	
Arif	1990-12-20	FairyLand	PARIS	
Arif	1990-12-20	FairyLand	PARIS	
Arif	1990-12-20	FairyLand	PARIS	
Enrica	2001-10-20	GoldTown	JOHANNESBURG	
Enrica	2001-10-20	GoldTown	JOHANNESBURG	
Mirrelle	2006-11-08	FairyLand	PARIS	
Mirrelle	2006-11-08	FairyLand	PARIS	
Mirrelle	2006-11-08	FairyLand	PARIS	

```
+-----+-----+-----+-----+
11 rows in set (0.00 sec)
```

```
MariaDB [THEMEPARK]> SELECT EMP_FNAME, EMP_HIRE_DATE, ATTRACTION_NAME, PARK_NAME, PARK_CITY FROM EMPLOYEE JOIN
THEMEPARK USING(PARK_CODE) JOIN HOURS USING(EMP_NUM) JOIN ATTRACTION USING(ATTRACT_NO);
```

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

```
MariaDB [THEMEPARK]> SELECT EMP_FNAME, EMP_HIRE_DATE, ATTRACT_NAME, PARK_NAME, PARK_CITY FROM EMPLOYEE JOIN
THEMEPARK USING(PARK_CODE) JOIN HOURS USING(EMP_NUM) JOIN ATTRACTION USING(ATTRACT_NO);
```

EMP_FNAME	EMP_HIRE_DATE	ATTRACT_NAME	PARK_NAME	PARK_CITY	
Emma	1992-03-15	ThunderCoaster	FairyLand	PARIS	
Emma	1992-03-15	ThunderCoaster	FairyLand	PARIS	
Marshall	1996-04-25	ThunderCoaster	PleasureLand	STOKE	
Arif	1990-12-20	Pirates	FairyLand	PARIS	
Arif	1990-12-20	UnderSeaword	FairyLand	PARIS	
Arif	1990-12-20	UnderSeaword	FairyLand	PARIS	
Enrica	2001-10-20	BlackHole2	GoldTown	JOHANNESBURG	
Enrica	2001-10-20	Pirates	GoldTown	JOHANNESBURG	
Mirrelle	2006-11-08	Ant-Trap	FairyLand	PARIS	
Mirrelle	2006-11-08	Carnival	FairyLand	PARIS	
Mirrelle	2006-11-08	Carnival	FairyLand	PARIS	

```
+-----+-----+-----+-----+
11 rows in set (0.00 sec)
```

```
MariaDB [THEMEPARK]> SELECT EMP_FNAME, EMP_HIRE_DATE, ATTRACT_NAME, PARK_NAME, PARK_CITY FROM EMPLOYEE E JOIN
THEMEPARK T ON(E.PARK_CODE=T.PARK_CODE) JOIN HOURS H ON(H.EMP_NUM=E.EMP_NUM) JOIN ATTRACTION A
ON(A.ATTRACT_NO=E.ATTRACT_NUM);
```

```
ERROR 1054 (42S22): Unknown column 'E.ATTRACT_NUM' in 'on clause'
```

```
MariaDB [THEMEPARK]> SELECT EMP_FNAME, EMP_HIRE_DATE, ATTRACT_NAME, PARK_NAME, PARK_CITY FROM EMPLOYEE E JOIN
THEMEPARK T ON(E.PARK_CODE=T.PARK_CODE) JOIN HOURS H ON(H.EMP_NUM=E.EMP_NUM) JOIN ATTRACTION A
ON(A.ATTRACT_NO=E.ATTRACT_NO);
```

```
ERROR 1054 (42S22): Unknown column 'E.ATTRACT_NO' in 'on clause'
```

```
MariaDB [THEMEPARK]> SELECT EMP_FNAME, EMP_HIRE_DATE, ATTRACT_NAME, PARK_NAME, PARK_CITY FROM EMPLOYEE E JOIN
THEMEPARK T ON(E.PARK_CODE=T.PARK_CODE) JOIN HOURS H ON(H.EMP_NUM=E.EMP_NUM) JOIN ATTRACTION A
ON(A.ATTRACT_NO=H.ATTRACT_NO);
```

```
+-----+-----+-----+-----+
11 rows in set (0.00 sec)
```

EMP_FNAME	EMP_HIRE_DATE	ATTRACT_NAME	PARK_NAME	PARK_CITY
Emma	1992-03-15	ThunderCoaster	FairyLand	PARIS
Emma	1992-03-15	ThunderCoaster	FairyLand	PARIS
Marshall	1996-04-25	ThunderCoaster	PleasureLand	STOKE
Arif	1990-12-20	Pirates	FairyLand	PARIS
Arif	1990-12-20	UnderSeaWord	FairyLand	PARIS
Arif	1990-12-20	UnderSeaWord	FairyLand	PARIS
Enrica	2001-10-20	BlackHole2	GoldTown	JOHANNESBURG
Enrica	2001-10-20	Pirates	GoldTown	JOHANNESBURG
Mirrelle	2006-11-08	Ant-Trap	FairyLand	PARIS
Mirrelle	2006-11-08	Carnival	FairyLand	PARIS
Mirrelle	2006-11-08	Carnival	FairyLand	PARIS

11 rows in set (0.00 sec)

MariaDB [THEMEPARK]> SELECT EMP_FNAME, EMP_HIRE_DATE, PARK_NAME, PARK_CITY FROM EMPLOYEE CROSS JOIN THEMEPARK;

EMP_FNAME	EMP_HIRE_DATE	PARK_NAME	PARK_CITY
Emma	1992-03-15	FairyLand	PARIS
Marshall	1996-04-25	FairyLand	PARIS
Arif	1990-12-20	FairyLand	PARIS
Anne	1994-08-16	FairyLand	PARIS
Enrica	2001-10-20	FairyLand	PARIS
Mirrelle	2006-11-08	FairyLand	PARIS
Gemma	1989-01-05	FairyLand	PARIS
Emma	1992-03-15	Efiling	NOORD
Marshall	1996-04-25	Efiling	NOORD
Arif	1990-12-20	Efiling	NOORD
Anne	1994-08-16	Efiling	NOORD
Enrica	2001-10-20	Efiling	NOORD
Mirrelle	2006-11-08	Efiling	NOORD
Gemma	1989-01-05	Efiling	NOORD
Emma	1992-03-15	AdventurePort	BARCELONA
Marshall	1996-04-25	AdventurePort	BARCELONA
Arif	1990-12-20	AdventurePort	BARCELONA
Anne	1994-08-16	AdventurePort	BARCELONA
Enrica	2001-10-20	AdventurePort	BARCELONA
Mirrelle	2006-11-08	AdventurePort	BARCELONA
Gemma	1989-01-05	AdventurePort	BARCELONA
Emma	1992-03-15	Labyrinthe	LAUSANNE
Marshall	1996-04-25	Labyrinthe	LAUSANNE
Arif	1990-12-20	Labyrinthe	LAUSANNE
Anne	1994-08-16	Labyrinthe	LAUSANNE
Enrica	2001-10-20	Labyrinthe	LAUSANNE
Mirrelle	2006-11-08	Labyrinthe	LAUSANNE
Gemma	1989-01-05	Labyrinthe	LAUSANNE
Emma	1992-03-15	MiniLand	WINDSOR
Marshall	1996-04-25	MiniLand	WINDSOR
Arif	1990-12-20	MiniLand	WINDSOR
Anne	1994-08-16	MiniLand	WINDSOR
Enrica	2001-10-20	MiniLand	WINDSOR
Mirrelle	2006-11-08	MiniLand	WINDSOR
Gemma	1989-01-05	MiniLand	WINDSOR
Emma	1992-03-15	PleasureLand	STOKE
Marshall	1996-04-25	PleasureLand	STOKE
Arif	1990-12-20	PleasureLand	STOKE
Anne	1994-08-16	PleasureLand	STOKE
Enrica	2001-10-20	PleasureLand	STOKE
Mirrelle	2006-11-08	PleasureLand	STOKE
Gemma	1989-01-05	PleasureLand	STOKE
Emma	1992-03-15	GoldTown	JOHANNESBURG
Marshall	1996-04-25	GoldTown	JOHANNESBURG
Arif	1990-12-20	GoldTown	JOHANNESBURG
Anne	1994-08-16	GoldTown	JOHANNESBURG
Enrica	2001-10-20	GoldTown	JOHANNESBURG
Mirrelle	2006-11-08	GoldTown	JOHANNESBURG
Gemma	1989-01-05	GoldTown	JOHANNESBURG

```
+-----+-----+-----+-----+
49 rows in set (0.00 sec)
```

```
MariaDB [THEMEPARK]> SHOW DATABASES;
```

```
+-----+
| Database |
+-----+
| blog     |
| ggcsss   |
| hr       |
| information_schema |
| mysql    |
| nukes    |
| performance_schema |
| phpmyadmin |
| sales_co |
| test     |
| themepark |
| thm      |
| uni_a    |
| uni_b    |
| university |
+-----+
```

```
15 rows in set (0.00 sec)
```

```
MariaDB [THEMEPARK]> USE SALES_CO;
```

```
Database changed
```

```
MariaDB [SALES_CO]> SHOW TABLES;
```

```
+-----+
| Tables_in_sales_co |
+-----+
| customer            |
| invoice             |
| line                |
| product             |
| vendor              |
+-----+
```

```
5 rows in set (0.00 sec)
```

```
MariaDB [SALES_CO]> SELECT* FROM PRODUCT;
```

```
+-----+-----+-----+-----+-----+-----+-----+
---+
| P_CODE   | P_DESCRIPT                | P_INDATE   | P_ONHAND | P_MIN | P_PRICE | P_DISCOUNT |
V_CODE |
+-----+-----+-----+-----+-----+-----+-----+
---+
| 11QER/31 | Power painter, 15 psi., 3-nozzle | 2003-11-03 | 8 | 5 | 109.99 | 0 |
25595 |
| 13-Q2/P2 | 7.25-in. pwr. saw blade | 2003-12-13 | 32 | 15 | 14.99 | 0.0025 |
21344 |
| 14-Q1/L3 | 9.00-in. pwr. saw blade | 2003-11-13 | 18 | 12 | 17.49 | 0 |
21344 |
| 1546-QQ2 | Hrd. cloth, 1/4-in., 2x50 | 2004-01-04 | 15 | 8 | 39.95 | 0 |
23119 |
| 1558-QW1 | Hrd. cloth, 1/2-in., 3x50 | 2004-01-15 | 23 | 5 | 43.99 | 0 |
23119 |
| 2232/QTY | B&D jigsaw, 12-in. blade | 2003-12-10 | 8 | 5 | 109.92 | 0.05 |
24288 |
| 2232/QWE | B&D jigsaw, 8-in. blade | 2003-12-24 | 6 | 5 | 99.87 | 0.05 |
24288 |
| 2238/QPD | B&D cordless drill, 1/2-in. | 2004-01-20 | 12 | 5 | 38.95 | 0.0025 |
25595 |
| 23109-HB | claw hammer | 2004-01-20 | 23 | 10 | 9.95 | 0.005 |
21225 |
| 23114-AA | Sledge hammer, 12 lb. | 2004-01-20 | 8 | 5 | 14.4 | 0.05 |
NULL |
| 54778-2T | Rat-tail file, 1/8-in. fine | 2003-12-15 | 43 | 20 | 4.99 | 0 |
21344 |
```

89-WRE-Q	Hicut chain saw, 16 in.	2004-02-17	11	5	256.99	0.0025
24288						
PVC23DRT	PVC pipe, 3.5-in., 8-ft	2004-02-20	188	75	5.87	0
NULL						
SM-18277	1.25-in. metal screw, 25	2004-03-01	172	75	6.99	0
21225						
SW-23116	2.5-in. wd. screw, 50	2004-02-24	237	100	8.45	0
21231						
WR3/TT3	Steel matting, 4'x8'x1/6", .5" mesh	2004-01-07	18	5	119.95	0.005
25595						

-----+
 ---+
 16 rows in set (0.00 sec)

MariaDB [SALES_CO]> SELECT* FROM VENDOR;

V_CODE	V_NAME	V_CONTACT	V_AREACODE	V_PHONE	V_STATE	V_ORDER
21225	Bryson, Inc.	Smithson	615	223-3234	TN	Y
21226	SuperLoo, Inc.	Flushing	904	215-8995	FL	N
21231	D&E Supply	Singh	615	228-3245	TN	Y
21344	Gomez Bros.	Ortega	615	889-2546	KY	N
22567	Dome Supply	Smith	901	678-1419	GA	N
23119	Randsets Ltd.	Anderson	901	678-3998	GA	Y
24004	Brackman Bros.	Browning	615	228-1410	TN	N
24288	ORDVA, Inc.	Hakford	615	898-1234	TN	Y
25443	B&K, Inc.	Smith	904	227-0093	FL	N
25501	Damal Supplies	Smythe	615	890-3529	TN	N
25595	Rubicon Systems	Orton	904	456-0092	FL	Y

11 rows in set (0.01 sec)

MariaDB [SALES_CO]> SELECT P_CODE, P_INDATE, V_NAME PRODUCT NATURAL JOIN VENDOR;

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 'NATURAL JOIN VENDOR' at line 1

MariaDB [SALES_CO]> SELECT P_CODE, P_INDATE, V_NAME FROM PRODUCT NATURAL JOIN VENDOR;

P_CODE	P_INDATE	V_NAME
11QER/31	2003-11-03	Rubicon Systems
13-Q2/P2	2003-12-13	Gomez Bros.
14-Q1/L3	2003-11-13	Gomez Bros.
1546-QQ2	2004-01-04	Randsets Ltd.
1558-QW1	2004-01-15	Randsets Ltd.
2232/QTY	2003-12-10	ORDVA, Inc.
2232/QWE	2003-12-24	ORDVA, Inc.
2238/QPD	2004-01-20	Rubicon Systems
23109-HB	2004-01-20	Bryson, Inc.
54778-2T	2003-12-15	Gomez Bros.
89-WRE-Q	2004-02-17	ORDVA, Inc.
SM-18277	2004-03-01	Bryson, Inc.
SW-23116	2004-02-24	D&E Supply
WR3/TT3	2004-01-07	Rubicon Systems

14 rows in set (0.00 sec)

MariaDB [SALES_CO]> SELECT P_CODE, P_INDATE, V_NAME FROM PRODUCT LEFT OUTER JOIN VENDOR USING(V_CODE);

P_CODE	P_INDATE	V_NAME
11QER/31	2003-11-03	Rubicon Systems
13-Q2/P2	2003-12-13	Gomez Bros.
14-Q1/L3	2003-11-13	Gomez Bros.
1546-QQ2	2004-01-04	Randsets Ltd.
1558-QW1	2004-01-15	Randsets Ltd.
2232/QTY	2003-12-10	ORDVA, Inc.
2232/QWE	2003-12-24	ORDVA, Inc.
2238/QPD	2004-01-20	Rubicon Systems
23109-HB	2004-01-20	Bryson, Inc.

23114-AA	2004-01-20	NULL
54778-2T	2003-12-15	Gomez Bros.
89-WRE-Q	2004-02-17	ORDVA, Inc.
PVC23DRT	2004-02-20	NULL
SM-18277	2004-03-01	Bryson, Inc.
SW-23116	2004-02-24	D&E Supply
WR3/TT3	2004-01-07	Rubicon Systems

16 rows in set (0.00 sec)

MariaDB [SALES_CO]> SELECT P_CODE, P_INDATE, V_NAME FROM PRODUCT RIGHT OUTER JOIN VENDOR USING(V_CODE);

P_CODE	P_INDATE	V_NAME
23109-HB	2004-01-20	Bryson, Inc.
SM-18277	2004-03-01	Bryson, Inc.
NULL	NULL	SuperLoo, Inc.
SW-23116	2004-02-24	D&E Supply
13-Q2/P2	2003-12-13	Gomez Bros.
14-Q1/L3	2003-11-13	Gomez Bros.
54778-2T	2003-12-15	Gomez Bros.
NULL	NULL	Dome Supply
1546-QQ2	2004-01-04	Randsets Ltd.
1558-QW1	2004-01-15	Randsets Ltd.
NULL	NULL	Brackman Bros.
2232/QTY	2003-12-10	ORDVA, Inc.
2232/QWE	2003-12-24	ORDVA, Inc.
89-WRE-Q	2004-02-17	ORDVA, Inc.
NULL	NULL	B&K, Inc.
NULL	NULL	Damal Supplies
11QER/31	2003-11-03	Rubicon Systems
2238/QPD	2004-01-20	Rubicon Systems
WR3/TT3	2004-01-07	Rubicon Systems

19 rows in set (0.00 sec)

MariaDB [SALES_CO]> SELECT P_CODE, P_INDATE, V_NAME FROM PRODUCT FULL OUTER JOIN VENDOR USING(V_CODE);
 ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'OUTER JOIN VENDOR USING(V_CODE)' at line 1
 MariaDB [SALES_CO]> SELECT P_CODE, P_INDATE, V_NAME FROM PRODUCT FULL JOIN VENDOR USING(V_CODE);

P_CODE	P_INDATE	V_NAME
11QER/31	2003-11-03	Rubicon Systems
13-Q2/P2	2003-12-13	Gomez Bros.
14-Q1/L3	2003-11-13	Gomez Bros.
1546-QQ2	2004-01-04	Randsets Ltd.
1558-QW1	2004-01-15	Randsets Ltd.
2232/QTY	2003-12-10	ORDVA, Inc.
2232/QWE	2003-12-24	ORDVA, Inc.
2238/QPD	2004-01-20	Rubicon Systems
23109-HB	2004-01-20	Bryson, Inc.
54778-2T	2003-12-15	Gomez Bros.
89-WRE-Q	2004-02-17	ORDVA, Inc.
SM-18277	2004-03-01	Bryson, Inc.
SW-23116	2004-02-24	D&E Supply
WR3/TT3	2004-01-07	Rubicon Systems

14 rows in set (0.00 sec)

MariaDB [SALES_CO]> SELECT P_CODE, P_INDATE, V_NAME FROM PRODUCT JOIN VENDOR USING(V_CODE);

P_CODE	P_INDATE	V_NAME
11QER/31	2003-11-03	Rubicon Systems
13-Q2/P2	2003-12-13	Gomez Bros.
14-Q1/L3	2003-11-13	Gomez Bros.
1546-QQ2	2004-01-04	Randsets Ltd.
1558-QW1	2004-01-15	Randsets Ltd.

2232/PTY	2003-12-10	ORDVA, Inc.
2232/QWE	2003-12-24	ORDVA, Inc.
2238/QPD	2004-01-20	Rubicon Systems
23109-HB	2004-01-20	Bryson, Inc.
54778-2T	2003-12-15	Gomez Bros.
89-WRE-Q	2004-02-17	ORDVA, Inc.
SM-18277	2004-03-01	Bryson, Inc.
SW-23116	2004-02-24	D&E Supply
WR3/TT3	2004-01-07	Rubicon Systems

14 rows in set (0.00 sec)