```
MariaDB [(none)]> show databases
| Database
| blog
ggcsss
l hr
| information_schema |
| mysql
nuces
| 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 | Marshel | 1978-03-19 | 1996-04-25 | 0181
                                                                     324-4472
UK3452
                          | Arif
                                                       | 7253
| 102 | Mr
               | Arshad
                                  | 1969-11-14 | 1990-12-20
                                                                     | 675-8993 |
FR1001
               | Roberts
                          Anne
                                  | 1974-10-16 | 1994-08-16
                                                       | 0181
                                                                     898-3456
| 103 | Ms
UK3452 |
| 104 | Mr
               Denver
                          | Enrica | 1980-11-08 | 2001-10-20
                                                        7253
                                                                     504-4434
ZA1342 |
| 105 | Ms
                          | Mirrelle | 1990-03-14 | 2006-11-08
                                                         | 0181
                                                                     890-3243
               Namowa
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;

	FMD TTTLE	L EMB LNAME	L EMB ENAME		EMB BOB		EMP LITTE DATE		EMB ABEA CODE		EMB BUONE	1
EMP_NUM PARK_CODE	_	EMP_LNAME	EMP_FNAME	ı	EMP_DOB	I	EMP_HIRE_DATE		EMP_AREA_CODE	1	EMP_PHONE	I
	+	+	+	-+-		+-		+-		+-		+
+ 106 ZA1342	Mrs 	Smith	Gemma	I	1968-02-12	I	1989-01-05	I	0181	I	324-7845	I
102 FR1001	Mr	Arshad	Arif		1969-11-14		1990-12-20		7253		675-8993	I
100	 Ms	Calderdale	Emma	I	1972-06-15		1992-03-15		0181		324-9134	I
FR1001 103	 Ms	Roberts	Anne	I	1974-10-16		1994-08-16	I	0181	I	898-3456	
UK3452 101	 Ms	Ricardo	Marshel	I	1978-03-19		1996-04-25	I	0181	I	324-4472	
UK3452 104	 Mr	Denver	Enrica	I	1980-11-08		2001-10-20		7253		504-4434	
ZA1342 105 FR1001	 Ms 	Namowa	Mirrelle	I	1990-03-14	I	2006-11-08	I	0181	I	890-3243	I
+	+	+	+	-+-		+-		+-		+-		+
٠.	set (0.00 se	c)										
_		elect * from +					_date asc; 	+-		. + -		+
+	•	•	•							•		
EMP_NUM PARK_CODE		EMP_LNAME	EMP_FNAME		EMP_DOB		EMP_HIRE_DATE		EMP_AREA_CODE		EMP_PHONE	
	+	+	+	-+-		+-		+-		+-		+
+ 106 ZA1342	Mrs	Smith	Gemma		1968-02-12	I	1989-01-05	I	0181	I	324-7845	I
102	Mr	Arshad	Arif	1	1969-11-14		1990-12-20		7253		675-8993	I
FR1001 100	 Ms	Calderdale	Emma	I	1972-06-15		1992-03-15	I	0181	I	324-9134	I
FR1001 103	 Ms	Roberts	Anne	I	1974-10-16		1994-08-16	I	0181	I	898-3456	I
UK3452 101	 Ms	Ricardo	Marshel	I	1978-03-19		1996-04-25	I	0181	I	324-4472	I
UK3452 104	 Mr	Denver	Enrica	I	1980-11-08		2001-10-20	I	7253		504-4434	I
ZA1342	 Ms	Namowa	Mirrelle	I	1990-03-14		2006-11-08	l	0181	I	890-3243	I
105 EP1001	I											
FR1001	 +	+	+	-+-		+-		+-		+-		+
FR1001 ++	•		+	-+-		+-		+-		+-		+
FR1001 ++	 set (0.00 se		+	-+-		+-		+-		+-		+
FR1001 ++ 7 rows in s	set (0.00 sed	c) elect * from	employee ord	der	r by emp_hir	e_	_date desc;					
FR1001 ++ 7 rows in s MariaDB [th	set (0.00 sed	c) elect * from	employee ord	der	r by emp_hir	e_						
FR1001 ++ 7 rows in s MariaDB [th ++ EMP_NUM PARK_CODE	set (0.00 seconemepark]> so 	c) elect * from +	employee ord +	der -+-	r by emp_hire	e_ +-	_date desc; EMP_HIRE_DATE	+-	EMP_AREA_CODE	-+-	EMP_PHONE	· +
FR1001 ++ 7 rows in s MariaDB [th ++ EMP_NUM PARK_CODE	set (0.00 seconemepark]> so 	c) elect * from +	employee ord +	der -+-	r by emp_hire	e_ +-	_date desc;	+-	EMP_AREA_CODE	-+-	EMP_PHONE	· +
FR1001 ++ 7 rows in s MariaDB [th ++ EMP_NUM PARK_CODE ++ 105	nemepark]> so hemepark]> so hemepark]> so hemepartitle 	c) elect * from + EMP_LNAME	employee ord + EMP_FNAME +	der -+- 	r by emp_hire	e_ +-	_date desc; EMP_HIRE_DATE	+-	EMP_AREA_CODE	-+-	EMP_PHONE	+
FR1001 ++ 7 rows in s MariaDB [th ++ EMP_NUM PARK_CODE ++ 105 FR1001	nemepark]> so hemepark]> so hemepark]> so hemepark]> so hemepark]> so lemepark]> so hemepark]> so he	elect * from + EMP_LNAME +	employee ord + EMP_FNAME +	der -+-	r by emp_hire	e_ +- 	_date desc; EMP_HIRE_DATE 	+-	EMP_AREA_CODE	-+-	EMP_PHONE	+
FR1001 ++ 7 rows in s MariaDB [th ++ EMP_NUM PARK_CODE ++ 105 FR1001 104 ZA1342 101	nemepark]> so hemepark]> so hemepark]> so hemepark]> so lemepark]> so le	elect * from + EMP_LNAME + Namowa	employee ord + EMP_FNAME + Mirrelle Enrica	der -+- -+-	c by emp_hire EMP_DOB 1990-03-14	e_ +- +-	_date desc; EMP_HIRE_DATE 2006-11-08	+-	EMP_AREA_CODE	-+· -+·	EMP_PHONE 890-3243	+
FR1001 ++ 7 rows in s MariaDB [th ++ EMP_NUM PARK_CODE ++ 105 FR1001 104 ZA1342 UK3452 101	nemepark]> set (0.00 seconemepark]> set (0.00 seconemepark]> secon	elect * from + EMP_LNAME + Namowa Denver	employee ord + EMP_FNAME + Mirrelle Enrica	der-+-	EMP_DOB 1990-03-14 1980-11-08	e_ +- +- 	_date desc; 	+-	EMP_AREA_CODE 0181 7253	· · · · · · · · · · · · · · · · · · ·	EMP_PHONE 890-3243 504-4434	+
FR1001 ++ 7 rows in s MariaDB [th ++ EMP_NUM PARK_CODE ++ 105 FR1001 104 ZA1342 101 UK3452	nemepark]> set (0.00 seconemepark]> set (0.00 seconemepark]> secon	elect * from + EMP_LNAME + Namowa Denver Ricardo	employee ord + EMP_FNAME + Mirrelle Enrica Marshel Anne	der -+- -+-	EMP_DOB 1990-03-14 1980-11-08 1978-03-19	e_ +- +- 	_date desc; 	+- +- 	EMP_AREA_CODE 0181 7253	· +· · · · · · · · · · · · · · · · · ·	EMP_PHONE 890-3243 504-4434 324-4472	+

ZA1342	i I	Smith	Gemma		1968-02-12		1989-01-05		0181		324-7845	l
+	set (0.00 se		-+	-+		-+-		-+-		+-		+
_		elect * from					e; 					
EMP_NUM	EMP_TITLE	EMP_LNAME	EMP_FNAME	1	EMP_DOB	1	EMP_HIRE_DATE	1	EMP_AREA_CODE	1	EMP_PHONE	
+ 103 UK3452		Roberts	Anne		1974-10-16						898-3456	
102 FR1001	 Mr 	Arshad	Arif	I	1969-11-14		1990-12-20		7253	I	675-8993	I
100 100 FR1001	 Ms 	Calderdale	Emma	١	1972-06-15		1992-03-15	I	0181	I	324-9134	I
104 ZA1342	 Mr 	Denver	Enrica	١	1980-11-08		2001-10-20		7253	I	504-4434	I
106 ZA1342	 Mrs 	Smith	Gemma	١	1968-02-12		1989-01-05		0181	I	324-7845	I
101 UK3452	Ms Ms	Ricardo	Marshel	١	1978-03-19		1996-04-25		0181	I	324-4472	I
105 FR1001	I	Namowa			1990-03-14					I	890-3243	I
+	•		-+	-+		-+-		-+-		+-		+
	set (0.00 se		omploves on	4.0	n by ome bir	10	data acci					
+		elect * from +					_uate asc; 	+-		+-		+
PARK_CODE		EMP_LNAME					EMP_HIRE_DATE			I	EMP_PHONE	1
+		Smith	Gemma		1968-02-12					1	324-7845	
102	 Mr	Arshad	Arif	١	1969-11-14		1990-12-20	I	7253	I	675-8993	I
FR1001 100 FR1001	 Ms	Calderdale	Emma	١	1972-06-15		1992-03-15		0181	I	324-9134	I
103 UK3452	 Ms	Roberts	Anne	١	1974-10-16		1994-08-16	I	0181	I	898-3456	I
101 UK3452	 Ms	Ricardo	Marshel	١	1978-03-19		1996-04-25	I	0181	I	324-4472	I
104 ZA1342	 Mr	Denver	Enrica	١	1980-11-08		2001-10-20	I	7253	I	504-4434	I
105 FR1001	1	Namowa	Mirrelle								890-3243	
+	+set (0.00 se		-+	-+		-+-		-+-		+-		+
		elect * from					_date desc;			,		
+ EMP_NUM PARK_CODE	EMP_TITLE	EMP_LNAME	EMP_FNAME		EMP_DOB		EMP_HIRE_DATE	1	EMP_AREA_CODE	1	EMP_PHONE	1
+ 105 FR1001		Namowa			1990-03-14						890-3243	
104	 Mr 	Denver	Enrica	I	1980-11-08		2001-10-20	I	7253	I	504-4434	I
ZA1342 101 UK3452	 Ms 	Ricardo	Marshel		1978-03-19		1996-04-25	Ι	0181		324-4472	I

103	Ms	Roberts	Anne	1974-10-16	1994-08-16	0181	898-3456	1
UK3452 100	 Ms	Calderdale	Emma	1972-06-15	1992-03-15	0181	324-9134	I
FR1001 102	 Mr	Arshad	Arif	1969-11-14	1990-12-20	7253	675-8993	1
FR1001 106	 Mrs	Smith	Gemma	1968-02-12	1989-01-05	0181	324-7845	1
ZA1342 +	 +	+	-+	-+	+		+	-+
7 rows in s	set (0.00 se	c)						
_		elect * from		-+	+		+	-+
PARK_CODE		EMP_LNAME			EMP_HIRE_DATE			
100		Calderdale		1972-06-15		0181	324-9134	
FR1001 101	 Ms	Ricardo	Marshel	1978-03-19	1996-04-25	0181	324-4472	1
UK3452 102	 Mr	Arshad	Arif	1969-11-14	1990-12-20	7253	675-8993	1
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	I
ZA1342								
+	+	+	-+	-+	+		+	-+
+	set (0.00 se		-+	-+	+		+	-+
7 rows in s	set (0.00 se hemepark]> s	c) elect * from	employee ord	der by emp_fna	me,emp_lname;			-+
7 rows in s MariaDB [th ++ EMP_NUM PARK_CODE	set (0.00 se nemepark]> s + EMP_TITLE 	c) elect * from +	employee ord -+	der by emp_fna -+ EMP_DOB	me,emp_lname; +	EMP_AREA_CODE	+	I
7 rows in s MariaDB [th ++ EMP_NUM PARK_CODE	set (0.00 se nemepark]> s + EMP_TITLE 	c) elect * from +	employee ord -+	der by emp_fna -+ EMP_DOB	me,emp_lname; +	EMP_AREA_CODE	+	-+
7 rows in s MariaDB [th++ EMP_NUM PARK_CODE	set (0.00 se nemepark]> s +	c) elect * from + EMP_LNAME +	employee ord -+	der by emp_fna -+ EMP_DOB -+	me,emp_lname; +	EMP_AREA_CODE	+	 -+
7 rows in s MariaDB [th ++ EMP_NUM PARK_CODE ++ 103 UK3452 102 FR1001 100	set (0.00 se nemepark]> s + EMP_TITLE + Ms Mr	c) elect * from + EMP_LNAME +	employee ord EMP_FNAME Anne	der by emp_fna -+ EMP_DOB -+	me,emp_lname; +	EMP_AREA_CODE	+	 -+
7 rows in s MariaDB [th ++ EMP_NUM PARK_CODE ++ 103 UK3452 102 FR1001 100 FR1001 104	set (0.00 se nemepark]> s + EMP_TITLE + Ms Mr	c) elect * from + EMP_LNAME + Roberts Arshad	employee ord EMP_FNAME Anne	der by emp_fna -+ EMP_DOB -+ 1974-10-16 1969-11-14	me,emp_lname; +	EMP_AREA_CODE 0181 7253	+	
7 rows in s MariaDB [th ++ EMP_NUM PARK_CODE ++ 103 UK3452 102 FR1001 100 FR1001 104 ZA1342 106	set (0.00 se nemepark]> s + EMP_TITLE + Ms Mr Mr	c) elect * from + EMP_LNAME + Roberts Arshad Calderdale	employee ord EMP_FNAME Anne Arif	der by emp_fna -+ EMP_DOB -+ 1974-10-16 1969-11-14	me,emp_lname; +	EMP_AREA_CODE 0181 7253 0181 7253	+	
7 rows in s MariaDB [th ++ EMP_NUM PARK_CODE ++ 103 UK3452 102 FR1001 100 FR1001 2A1342 106 ZA1342 101	set (0.00 se nemepark]> s + EMP_TITLE + Ms Mr Mr	c) elect * from + EMP_LNAME + Roberts Arshad Calderdale Denver	employee ord EMP_FNAME Anne Arif Emma	der by emp_fna -+ EMP_DOB -+ 1974-10-16 1969-11-14 1972-06-15 1980-11-08	me,emp_lname; +	EMP_AREA_CODE 0181 7253 0181 7253	+	
MariaDB [th++ 7 rows in s MariaDB [th++ EMP_NUM PARK_CODE ++ 103 UK3452 102 FR1001 100 FR1001 2A1342 106 ZA1342 107 UK3452 108 UK3452 109	memepark]> s hemepark]> s hemep	c) elect * from + EMP_LNAME + Roberts Arshad Calderdale Denver Smith	employee ord + EMP_FNAME -+ Anne Arif Emma Enrica Gemma Marshel	der by emp_fna-+	me,emp_lname; +	EMP_AREA_CODE 0181 7253 0181 7253 0181	+	
MariaDB [th++ 7 rows in s MariaDB [th++ EMP_NUM PARK_CODE ++ 103 UK3452 100 FR1001 100 FR1001 2A1342 106 ZA1342 UK3452 UK3452 TOTAL	set (0.00 se nemepark]> s + EMP_TITLE + Ms Mr Mr Ms Mr	elect * from + EMP_LNAME + Roberts Arshad Calderdale Denver Smith Ricardo Namowa	employee ord EMP_FNAME Anne Arif Emma Enrica Gemma Marshel Mirrelle	der by emp_fna -+ EMP_DOB -+ 1974-10-16 1969-11-14 1972-06-15 1980-11-08 1968-02-12 1978-03-19 1990-03-14	me,emp_lname; +	EMP_AREA_CODE 0181 7253 0181 7253 0181 0181 0181	+	
MariaDB [th++ 7 rows in s MariaDB [th++ EMP_NUM PARK_CODE ++ 103 UK3452 100 FR1001 100 FR1001 2A1342 106 ZA1342 UK3452 UK3452 105 FR1001 ++	set (0.00 se nemepark]> s + EMP_TITLE + Ms Mr Mr Ms Mr	c) elect * from +	employee ord EMP_FNAME Anne Arif Emma Enrica Gemma Marshel Mirrelle	der by emp_fna -+ EMP_DOB -+ 1974-10-16 1969-11-14 1972-06-15 1980-11-08 1968-02-12 1978-03-19 1990-03-14	me,emp_lname; +	EMP_AREA_CODE 0181 7253 0181 7253 0181 0181 0181	+	
7 rows in s MariaDB [th ++ EMP_NUM PARK_CODE ++ 103 UK3452 100 FR1001 104 ZA1342 106 ZA1342 107 UK3452 108 FR1001 109 FR1001 100 FR1001	set (0.00 se nemepark]> s + EMP_TITLE + Ms Mr Ms Mr Ms Mr Ms Mr Ms Mr Ms Ms Ms Ms Ms Ms Ms Ms	c) elect * from +	employee ord	der by emp_fna -+	me,emp_lname; +	EMP_AREA_CODE 0181 7253 0181 7253 0181 0181 0181	+	 -+
7 rows in s MariaDB [th ++ EMP_NUM PARK_CODE ++ 103 UK3452 102 FR1001 104 ZA1342 106 ZA1342 107 UK3452 108 FR1001 109 FR1001 100 FR1001	memepark]> s hemepark]> s	elect * from + EMP_LNAME + Roberts Arshad Calderdale Denver Smith Ricardo Namowa +	employee ord	der by emp_fna -+	me,emp_lname; +	EMP_AREA_CODE 0181 7253 0181 7253 0181 0181	+	 -+

```
| 100 | Ms
                | Calderdale | Emma | 1972-06-15 | 1992-03-15 | 0181
                                                                        324-9134
FR1001 |
                | Ricardo | Marshel | 1978-03-19 | 1996-04-25 | 0181
| 101 | Ms
                                                                        324-4472
UK3452 |
                                   | 1969-11-14 | 1990-12-20 | 7253
                                                                        | 675-8993 |
| 102 | Mr
                | Arshad
                           | Arif
FR1001 |
| 103 | Ms
                Roberts
                           Anne
                                   | 1974-10-16 | 1994-08-16
                                                          | 0181
                                                                        898-3456
UK3452
                Denver
                           | Enrica | 1980-11-08 | 2001-10-20
                                                          | 7253
                                                                         | 504-4434 |
| 104 | Mr
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(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
| 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
```

```
MariaDB [sales_co]> SELECT * FROM PRODUCT;
| P_CODE | P_DESCRIPT
                                     | P_INDATE | P_ONHAND | P_MIN | P_PRICE | P_DISCOUNT |
V CODE |
+------
                                                     8 |
| 11QER/31 | Power painter, 15 psi., 3-nozzle
                                    | 2003-11-03 |
                                                           5 | 109.99 |
                                                                              0 |
25595 I
| 13-Q2/P2 | 7.25-in. pwr. saw blade
                                    | 2003-12-13 |
                                                     32 | 15 | 14.99 |
                                                                         0.0025 |
21344 l
| 14-Q1/L3 | 9.00-in. pwr. saw blade
                                    | 2003-11-13 |
                                                     18 | 12 | 17.49 |
                                                                             0 |
21344 I
| 1546-QQ2 | Hrd. cloth, 1/4-in., 2x50
                                     | 2004-01-04 |
                                                   15 |
                                                            8 | 39.95 |
                                                                             0 |
23119 I
                                                    23 | 5 | 43.99 |
| 1558-Qw1 | Hrd. cloth, 1/2-in., 3x50
                                     | 2004-01-15 |
                                                                            0 |
23119
| 2232/QTY | B&D jigsaw, 12-in. blade
                                     | 2003-12-10 |
                                                     8 |
                                                            5 | 109.92 |
                                                                          0.05
24288 I
| 2232/QWE | B&D jigsaw, 8-in. blade
                                     | 2003-12-24 |
                                                      6 |
                                                            5 | 99.87 |
                                                                           0.05 |
24288 I
| 2238/QPD | B&D cordless drill, 1/2-in.
                                     | 2004-01-20 |
                                                     12 |
                                                            5 | 38.95 |
                                                                         0.0025
25595 I
                                                            10 |
                                                                9.95 |
| 23109-HB | Claw hammer
                                     | 2004-01-20 |
                                                      23 I
                                                                          0.005
21225 I
| 23114-AA | Sledge hammer, 12 lb.
                                     | 2004-01-20 |
                                                      8 |
                                                            5 | 14.4 |
                                                                           0.05 |
| 54778-2T | Rat-tail file, 1/8-in. fine
                                     | 2003-12-15 |
                                                     43 |
                                                            20 | 4.99 |
                                                                             0 |
21344 I
                                                            5 | 256.99 | 0.0025 |
| 89-WRE-Q | Hicut chain saw, 16 in.
                                     | 2004-02-17 |
                                                    11 |
24288 I
                                     | 2004-02-20 |
                                                    188 | 75 |
                                                                5.87
| PVC23DRT | PVC pipe, 3.5-in., 8-ft
                                                                              0 1
| SM-18277 | 1.25-in. metal screw, 25
                                    | 2004-03-01 |
                                                    172 | 75 | 6.99 |
                                                                              0 |
                                                    237 | 100 | 8.45 |
                                     2004-02-24
| SW-23116 | 2.5-in. wd. screw, 50
                                                                              0 |
21231 I
| 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 l
+----+
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 |
| 11QER/31 | Power painter, 15 psi., 3-nozzle | 2003-11-03 |
                                                     8 |
                                                           5 | 109.99 |
                                                                              0 |
                                     | 2003-12-13 |
                                                    32 |
                                                          15 | 14.99 |
                                                                         0.0025 |
| 13-Q2/P2 | 7.25-in. pwr. saw blade
21344 I
| 14-Q1/L3 | 9.00-in. pwr. saw blade
                                     | 2003-11-13 |
                                                    18 |
                                                           12 | 17.49 |
                                                                             0 |
21344 I
| 1546-QQ2 | Hrd. cloth, 1/4-in., 2x50
                                     | 2004-01-04 |
                                                     15 |
                                                           8 | 39.95 |
                                                                             0 |
23119 I
| 1558-Qw1 | Hrd. cloth, 1/2-in., 3x50
                                     | 2004-01-15 |
                                                     23 |
                                                           5 | 43.99 |
                                                                            0 |
23119 |
                                                           5 | 109.92 |
| 2232/QTY | B&D jigsaw, 12-in. blade
                                     | 2003-12-10 |
                                                     8 |
                                                                          0.05 |
24288 I
| 2232/QWE | B&D jigsaw, 8-in. blade
                                     | 2003-12-24 |
                                                     6 |
                                                           5 | 99.87 |
                                                                          0.05 |
| 2238/QPD | B&D cordless drill, 1/2-in.
                                     | 2004-01-20 |
                                                     12 |
                                                           5 | 38.95 |
                                                                         0.0025
25595 l
| 23109-HB | Claw hammer
                                     2004-01-20
                                                     23 |
                                                           10 |
                                                                9.95
                                                                          0.005
21225 I
| 23114-AA | Sledge hammer, 12 lb.
                                                           5 I
                                                                14.4 |
                                     2004-01-20
                                                     8 |
                                                                          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 I
| PVC23DRT | PVC pipe, 3.5-in., 8-ft
                                     2004-02-20
                                                    188 |
                                                           75 |
                                                                5.87
                                                                              0 |
| SM-18277 | 1.25-in. metal screw, 25
                                     | 2004-03-01 |
                                                          75 | 6.99 |
                                                    172 |
                                                                              0 |
21225 I
| SW-23116 | 2.5-in. wd. screw, 50
                                     2004-02-24
                                                    237 | 100 | 8.45 |
                                                                              0 |
| WR3/TT3 | Steel matting, 4'x8'x1/6", .5" mesh | 2004-01-07 |
                                                    18 | 5 | 119.95 |
                                                                           0.005 |
25595 I
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 |
100 | Ms
              | Calderdale | Emma
                               | 1972-06-15 | 1992-03-15 | 0181
                                                               324-9134
FR1001
                       | Marshel | 1978-03-19 | 1996-04-25 | 0181
              | Ricardo
                                                               324-4472
| 101 | Ms
UK3452 |
| 102 | Mr
              | Arshad
                       | Arif
                               | 1969-11-14 | 1990-12-20 | 7253
                                                               | 675-8993 |
| 103 | Ms
              Roberts
                        Anne
                               | 1974-10-16 | 1994-08-16 | 0181
                                                               898-3456
UK3452 |
              Denver
| 104 | Mr
                        | Enrica | 1980-11-08 | 2001-10-20 | 7253
                                                               504-4434
ZA1342
                       | Mirrelle | 1990-03-14 | 2006-11-08 | 0181
| 105 | Ms
              Namowa
                                                               890-3243
FR1.001
| 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 |
+----+
| FR
                             | NL
       | AdventurePort | BARCELONA | SP
| SP4533
| 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
     1 |
     1 |
     2 |
```

1 |

```
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 |
100 | Ms
               | Calderdale | Emma
                                 | 1972-06-15 | 1992-03-15 | 0181
                                                                   324-9134
FR1001
                         | Marshel | 1978-03-19 | 1996-04-25 | 0181
| 101 | Ms
               | Ricardo
                                                                   324-4472
UK3452
| 102 | Mr
               | Arshad
                         | Arif
                                 | 1969-11-14 | 1990-12-20 | 7253
                                                                   | 675-8993 |
FR1001
                         | Anne | 1974-10-16 | 1994-08-16 | 0181
l 103 | Ms
                                                                   898-3456
              | Roberts
UK3452 |
| 104 | Mr
              Denver
                         | Enrica | 1980-11-08 | 2001-10-20
                                                      7253
                                                                   | 504-4434 |
ZA1342 |
                         | Mirrelle | 1990-03-14 | 2006-11-08 | 0181
| 105 | Ms
               Namowa
                                                                   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 |
| 1972-06-15 |
       2 | FR1001 | Ms
| 1978-03-19 |
       2 | UK3452 | Ms
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
1
1
                  22.50 | Child
   88567
                                     | 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 |
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 |
                       | 2007-05-18 |
        12783 | FR1001
        12784 | FR1001 | 2007-05-18 |
        12785 | FR1001 | 2007-05-18 |
        12786 | FR1001 | 2007-05-18 |
                       | 2007-05-18 |
         34534 | UK3452
         34535 | UK3452
                       | 2007-05-18 |
| 2007-05-18 |
         34536 | UK3452
                        | 2007-05-18 |
        34537 | UK3452
        34538 | UK3452
                       | 2007-05-18 |
        34539 | UK3452
                       | 2007-05-18 |
```

34540 | UK3452

34541 | UK3452

| 2007-05-18 |

| 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	

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;

_		4		- 4		- 4 -		
	TICKET_NO	İ	TICKET_PRICE	İ	TICKET_TYPE	İ	PARK_CODE	İ
1	11001	Ċ			Adult			·+
i	11002	i	14.99	i	Child	i	SP4533	i
	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
+	+	+	+	++

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;

_		- 4 -		- 4
ĺ	SUM(LINE_QTY)	İ	TRANSACTION_NO	
+		-+-		+
	2		69.980000	1
	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 |
| 5 | 14 | 47.230000 |
| 6 | 4 | 47.230000 |
| 7 | 70.960000 |
| 8 | 84.200000 |
| 9 | 84.200000 |
| 10 | 84.200000 |
| 11 | 84.200000 |
| 12 | 84.200000 |
| 3 | 84.200000 |
| 4 | 47.230000 |
| 5 | 84.200000 |
| 6 | 84.200000 |
| 7 | 70.960000 |
| 8 | 84.200000 |
| 9 | 9 | 9 | 9 | 9 | 9 |
| 10 | 9 | 9 | 9 | 9 | 9 |
| 11 | 14.680000 |
| 11 | 14.230000 |
```

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;

+	L	
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
+	<u> </u>	++

17 rows in set (0.00 sec)

MariaDB [THEMEPARK]> SHOW TABLES;

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
+	+	+	++

MariaDB [THEMEPARK]> select *	from employee;		
+	+	+	 +
+			

PARK_CO	IUM DE			_	•	_		_			·	EMP_AREA_CODE		_	
++			-+-		-+-		+-		+-		-+-		+-		+
1	.00	Ms		Calderdale		Emma	1	1972-06-15	1	1992-03-15		0181		324-9134	
FR1001															
1	.01	Ms		Ricardo		Marshel		1978-03-19		1996-04-25		0181		324-4472	
UK3452															
1	.02	Mr		Arshad		Arif		1969-11-14		1990-12-20		7253		675-8993	
FR1001															
1	.03	Ms		Roberts		Anne		1974-10-16		1994-08-16		0181		898-3456	
UK3452															
1	.04	Mr		Denver		Enrica		1980-11-08		2001-10-20		7253		504-4434	
ZA1342															
1	.05	Ms		Namowa		Mirrelle		1990-03-14		2006-11-08		0181		890-3243	
FR1001															
1	.06	Mrs		Smith		Gemma		1968-02-12		1989-01-05		0181		324-7845	
ZA1342															
+	+		+-		+		+		+		+		+-		+
+															

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

MP_FNAME	EMP_HIRE_DATE	PARK_NAME	PARK_CITY
Emma	1992-03-15	FairyLand	PARIS
arshel	1996-04-25	FairyLand	PARIS
rif	1990-12-20	FairyLand	PARIS
nne	1994-08-16	FairyLand	PARIS
nrica	2001-10-20	FairyLand	PARIS
iirrelle	2006-11-08	FairyLand	PARIS
Gemma	1989-01-05	FairyLand	PARIS
Emma	1992-03-15	Efling	NOORD
arshel	1996-04-25	Efling	NOORD
rif	1990-12-20	Efling	NOORD
nne	1994-08-16	Efling	NOORD
Inrica	2001-10-20	Efling	NOORD
irrelle	2006-11-08	Efling	NOORD
Gemma	1989-01-05	Efling	NOORD
Emma	1992-03-15	AdventurePort	BARCELONA
arshel	1996-04-25	AdventurePort	BARCELONA
rif	1990-12-20	AdventurePort	BARCELONA
nne	1994-08-16	AdventurePort	BARCELONA
nrica	2001-10-20	AdventurePort	BARCELONA
nirrelle	2006-11-08	AdventurePort	BARCELONA
Gemma	1989-01-05	AdventurePort	BARCELONA
Emma	1992-03-15	Labyrinthe	LAUSANNE
arshel	1996-04-25	Labyrinthe	LAUSANNE
rif	1990-12-20	Labyrinthe	LAUSANNE
nne	1994-08-16	Labyrinthe	LAUSANNE
nrica	2001-10-20	Labyrinthe	LAUSANNE
irrelle	2006-11-08	Labyrinthe	LAUSANNE
Gemma	1989-01-05	Labyrinthe	LAUSANNE
imma	1992-03-15	MiniLand	WINDSOR
arshel	1996-04-25	MiniLand	WINDSOR
rif	1990-12-20	MiniLand	WINDSOR
nne	1994-08-16	MiniLand	WINDSOR
Inrica	2001-10-20	MiniLand	WINDSOR
irrelle	2006-11-08	MiniLand	WINDSOR
Gemma	1989-01-05	MiniLand	WINDSOR
Emma	1992-03-15	PleasureLand	STOKE
arshel	1996-04-25	PleasureLand	STOKE
rif	1990-12-20	PleasureLand	STOKE
nne	1994-08-16	PleasureLand	STOKE

```
| PleasureLand | STOKE
| Enrica | 2001-10-20
| Mirrelle | 2006-11-08 | PleasureLand | STOKE
                                              - 1
| Gemma | 1989-01-05 | PleasureLand | STOKE
                                              - 1
        | 1992-03-15 | GoldTown | JOHANNESBURG | |
| Marshel | 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 |
+-----
```

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_CITY
+	-+	+	++
Emma	1992-03-15	FairyLand	PARIS
Marshel	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
Marshel	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;

	т.		- 4-		ъ.		ъ.
EMP_FNAME	ĺ	EMP_HIRE_DATE	Ì	PARK_NAME		PARK_CITY	İ
Emma Marshel Arif	 	1992-03-15 1996-04-25 1990-12-20		FairyLand PleasureLand FairyLand		PARIS STOKE PARIS	+
	EMP_FNAME Emma Marshel Arif Anne Enrica	EMP_FNAME	EMP_FNAME EMP_HIRE_DATE	EMP_FNAME EMP_HIRE_DATE	EMP_FNAME EMP_HIRE_DATE PARK_NAME	EMP_FNAME EMP_HIRE_DATE PARK_NAME Emma 1992-03-15 FairyLand Marshel 1996-04-25 PleasureLand Arif 1990-12-20 FairyLand Anne 1994-08-16 PleasureLand Enrica 2001-10-20 GoldTown	Emma 1992-03-15 FairyLand PARIS Marshel 1996-04-25 PleasureLand STOKE Arif 1990-12-20 FairyLand PARIS Anne 1994-08-16 PleasureLand STOKE Enrica 2001-10-20 GoldTown JOHANNESBURG

MariaDB [THEMEPARK] > SELECT * FROM HOURS

-> ;

+	+		+		·+
İ	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	•		 PARIS
Emma	6	2007-05-20	FairyLand	PARIS
Marshel	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
+	1		L	

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;

		HOURS_PER_ATTRACT	•			
+	-	+6	-+ ThunderCoaster	•		•
i	Emma	•	ThunderCoaster	•		
	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 | +-----+
```

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	EMP FNAME	HOURS PER ATTRACT	DATE WORKED	PARK NAME	PARK CITY
Emma	. –	. – –	. –	. –	. – .
Emma			•		
Marshel	Lillina	0	•		FARIS
Arif	Emma	6	2007-05-20	FairyLand	PARIS
Arif	Marshel	1	2007-05-18	PleasureLand	STOKE
Arif	Arif	3	2007-05-23	FairyLand	PARIS
Enrica 6 2007-05-21 GoldTown JOHANNESBURG Enrica 6 2007-05-22 GoldTown JOHANNESBURG	Arif	6	2007-05-21	FairyLand	PARIS
Enrica 6 2007-05-22 GoldTown JOHANNESBURG	Arif	3	2007-05-22	FairyLand	PARIS
	Enrica	6	2007-05-21	GoldTown	JOHANNESBURG
Mirrelle 3 2007-05-18 FairyLand PARIS	Enrica	6	2007-05-22	GoldTown	JOHANNESBURG
	Mirrelle	3	2007-05-18	FairyLand	PARIS
Mirrelle 3 2007-05-18 FairyLand PARIS	Mirrelle	3	2007-05-18	FairyLand	PARIS
Mirrelle 6 2007-05-19 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 Emma Mirrelle Mirrelle Mirrelle	6 6 3 3	ThunderCoaster ThunderCoaster Ant-Trap	2007-05-18 2007-05-20 2007-05-18 2007-05-18 2007-05-19	FairyLand FairyLand FairyLand FairyLand FairyLand	PARIS PARIS PARIS PARIS PARIS 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_HIRE_DATE	·	PARK_CITY
	+	·	•
Emma	1992-03-15	FairyLand	PARIS
Marshel	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);

İ	EMP_FNAME	EMP_HIRE_DATE PARK_NAME PARK_CITY	
1	Emma Emma	1992-03-15 FairyLand PARIS 1992-03-15 FairyLand PARIS	1
		1996-04-25 PleasureLand STOKE 1990-12-20 FairyLand PARIS	

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);

+		+		-+-		+		+
İ	EMP_FNAME	İ	EMP_HIRE_DATE	Ì	PARK_NAME		PARK_CITY	
+		+.		+-		+		+
	Emma		1992-03-15		FairyLand		PARIS	
	Emma		1992-03-15		FairyLand		PARIS	
	Marshel		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	1	2001-10-20		GoldTown		JOHANNESBURG	l
	Mirrelle	1	2006-11-08		FairyLand		PARIS	l
	Mirrelle	1	2006-11-08		FairyLand		PARIS	l
	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 Emma Marshel Arif Arif Arif Enrica Enrica Mirrelle	1992-03-15 1992-03-15 1996-04-25 1996-12-20 1990-12-20 1990-12-20 2001-10-20 2001-10-20 2006-11-08	ThunderCoaster ThunderCoaster ThunderCoaster Pirates UnderSeaword UnderSeaword BlackHole2 Pirates Ant-Trap	FairyLand FairyLand	PARIS PARIS PARIS STOKE PARIS PARIS PARIS DOHANNESBURG DOHANNESBURG PARIS
į	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);

+-----+

. –		ATTRACT_NAME	PARK_NAME	PARK_CITY
Emma	1992-03-15	ThunderCoaster		PARIS
Emma	1992-03-15	ThunderCoaster	FairyLand	PARIS
Marshel	1996-04-25	ThunderCoaster	PleasureLand	I 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
+		-+		

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

+	<u>+</u>	 	++
EMP_FNAME	EMP_HIRE_DATE +	PARK_NAME 	PARK_CITY
Emma	1992-03-15	 FairyLand	PARIS
Marshel	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	Efling	NOORD
Marshel	1996-04-25	Efling	NOORD
Arif	1990-12-20	Efling	NOORD
Anne	1994-08-16	Efling	NOORD
Enrica	2001-10-20	Efling	NOORD
Mirrelle	2006-11-08	Efling	NOORD
Gemma	1989-01-05	Efling	NOORD
Emma	1992-03-15	AdventurePort	BARCELONA
Marshel	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
Marshel	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
Marshel	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
Marshel	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
Marshel			JOHANNESBURG
Arif	1990-12-20	GoldTown	JOHANNESBURG
Anne		GoldTown	JOHANNESBURG
Enrica		GoldTown	JOHANNESBURG
Mirrelle		GoldTown	JOHANNESBURG
Gemma	1989-01-05	GoldTown	JOHANNESBURG

```
49 rows in set (0.00 sec)
MariaDB [THEMEPARK]> SHOW DATABASES;
______
Database
| blog
| ggcsss
l hr
| information_schema |
| mysql
nuces
| performance_schema |
| phpmyadmin
| sales_co
| test
| themepark
l 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
+----+
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 |
| 2003-11-03 | 8 | 5 | 109.99 |
| 11QER/31 | Power painter, 15 psi., 3-nozzle
                                                                                0 |
25595 |
                                      | 2003-12-13 | 32 | 15 | 14.99 | 0.0025 |
| 13-Q2/P2 | 7.25-in. pwr. saw blade
21344
| 14-Q1/L3 | 9.00-in. pwr. saw blade
                                      | 2003-11-13 |
                                                      18 |
                                                             12 | 17.49 |
                                                                                0 |
21344 |
                                      | 2004-01-04 |
                                                                                0 |
| 1546-QQ2 | Hrd. cloth, 1/4-in., 2x50
                                                       15 |
                                                             8 | 39.95 |
23119 I
| 1558-Qw1 | Hrd. cloth, 1/2-in., 3x50
                                      | 2004-01-15 |
                                                       23 |
                                                             5 | 43.99 |
                                                                                0 |
23119 |
                                                              5 | 109.92 |
| 2232/QTY | B&D jigsaw, 12-in. blade
                                      | 2003-12-10 |
                                                       8 |
                                                                             0.05
24288 I
| 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 I
                                      | 2004-01-20 |
                                                       23 |
                                                             10 |
                                                                  9.95 |
                                                                            0.005
| 23109-HB | Claw hammer
21225 |
```

| 2004-01-20 |

| 2003-12-15 |

5 |

20 |

8 |

43 |

14.4 | 0.05 |

0 |

4.99 |

| 23114-AA | Sledge hammer, 12 lb.

21344 |

| 54778-2T | Rat-tail file, 1/8-in. fine

```
| 2004-02-17 | 11 | 5 | 256.99 | 0.0025 |
| 89-WRE-Q | Hicut chain saw, 16 in.
24288 I
                                                          188 | 75 | 5.87 |
| PVC23DRT | PVC pipe, 3.5-in., 8-ft
                                        | 2004-02-20 |
                                                                                       0 |
                                         2004-03-01
                                                          172 | 75 | 6.99 |
| SM-18277 | 1.25-in. metal screw, 25
                                                                                        0 |
21225 l
| 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 |
                                                                  5 | 119.95 |
                                                           18 |
                                                                                    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 21226 21231 21344 22567 23119 24004 24288	Bryson, Inc. SuperLoo, Inc. D&E Supply Gomez Bros. Dome Supply Randsets Ltd. Brackman Bros. ORDVA, Inc.	+ Smithson	615 904 615 615 615 901 901	. –	TN	. –
25501	Damal Supplies Rubicon Systems	Smythe		890-3529 456-0092	TN	N 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. |
```

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| 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.
| 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/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 |
```