```
MariaDB [(none)]> use themepark;
Database changed
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 PARK_NAME, PARK_CITY FROM THEMEPARK;
+-----
| PARK_NAME | PARK_CITY |
| PleasureLand | STOKE
GoldTown JOHANNESBURG +----+
7 rows in set (0.00 \text{ 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

                                                                            80 | ZA1342
         98764 | GoldRush
+-----
11 rows in set (0.01 sec)
MariaDB [themepark] > SELECT ATTRACT NAME, ATTRACT AGE FROM ATTRACTION WHERE
PARK_CODE = 'FR1001;'
     -> ;
Empty set (0.00 sec)
MariaDB [themepark]> SELECT ATTRACT_NAME, ATTRACT_AGE FROM ATTRACTION WHERE
PARK_CODE = 'FR1001';
+----+
| ATTRACT_NAME | ATTRACT_AGE |
```

+-----+ | ThunderCoaster | 11 |

SpinningTeacups	4
FlightToStars	11
Ant-Trap	23
Carnival	3
_	

5 rows in set (0.00 sec)

MariaDB [themepark]> SELECT ATTRACT_NAME, ATTRACT_AGE FROM ATTRACTION WHERE PARK_CODE = 'FR1001' AND ATTRACT_AGE<10;

•	ATTRACT_AGE
SpinningTeacups	4
Carnival	3

2 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 (0.00 sec)

MariaDB [themepark]> SELECT ATTRACT_NAME, ATTRACT_AGE FROM ATTRACTION WHERE
PARK_CODE = 'FR1001' AND PARK_CODE = 'UK3452' AND ATTRACT_AGE<10;
Empty set (0.00 sec)</pre>

MariaDB [themepark]> SELECT ATTRACT_NAME, ATTRACT_AGE FROM ATTRACTION WHERE PARK_CODE = 'FR1001' OR PARK_CODE = 'UK3452' AND ATTRACT_AGE<10;

ATTRACT_NAME	++ ATTRACT_AGE
ThunderCoaster SpinningTeacups FlightToStars Ant-Trap Carnival 3D-Lego_Show UnderSeaWord	11 4 11 23 3 3

7 rows in set (0.00 sec)

MariaDB [themepark]> SELECT ATTRACT_NAME, ATTRACT_AGE FROM ATTRACTION WHERE
(PARK_CODE = 'FR1001' OR PARK_CODE = 'UK3452') AND ATTRACT_AGE<10;</pre>

+	++
ATTRACT_NAME	ATTRACT_AGE
+	+ +

```
SpinningTeacups |
| Carnival | 3 | 3D-Lego_Show | 3 | UnderSeaWord | 4 |
+----+
4 rows in set (0.00 sec)
MariaDB [themepark]> SELECT ATTRACT_NAME, ATTRACT_AGE FROM ATTRACTION WHERE
PARK_CODE IN ('FR1001', 'UK3452') AND ATTRACT_AGE<10;
+----+
| ATTRACT_NAME | ATTRACT_AGE |
+----+
| SpinningTeacups | 4 | Carnival | 3 | 3D-Lego_Show | 3 | UnderSeaWord | 4 |
4 rows in set (0.00 sec)
MariaDB [themepark]> SELECT ATTRACT_NAME, ATTRACT_AGE FROM ATTRACTION WHERE
PARK_CODE not IN ('FR1001', 'UK3452') AND ATTRACT_AGE<10;
+----+
| ATTRACT_NAME | ATTRACT_AGE |
+----+
| GoldRush | 5 |
+-----+
1 row 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 THEMEPARK WHERE PARK_COUNTRY = 'UK;'
   -> ;
Empty set (0.00 sec)
MariaDB [themepark] > SELECT * FROM THEMEPARK WHERE PARK_COUNTRY = 'UK';
+----+
| PARK_CODE | PARK_NAME | PARK_CITY | PARK_COUNTRY |
+----+
UK2622 | MiniLand | WINDSOR | UK
| UK3452 | PleasureLand | STOKE | UK
+----+
2 rows in set (0.00 sec)
MariaDB [themepark]> SELECT * FROM THEMEPARK WHERE PARK_COUNTRY != 'UK';
+----+
| PARK_CODE | PARK_NAME | PARK_CITY | PARK_COUNTRY |
```

FR1001	FairyLand	PARIS	FR
NL1202	Efling	NOORD	NL
SP4533	AdventurePort	BARCELONA	SP
SW2323	Labyrinthe	LAUSANNE	SW
ZA1342	GoldTown	JOHANNESBURG	ZA
+	+	+	++

5 rows in set (0.00 sec)

MariaDB [themepark]> SELECT * FROM THEMEPARK WHERE PARK_COUNTRY <> 'UK';

	PARK_COUNTRY	PARK_CITY	PARK_NAME	PARK_CODE	
FR1001 FairyLand PARIS FR NL1202 Efling NOORD NL SP4533 AdventurePort BARCELONA SP SW2323 Labyrinthe LAUSANNE SW ZA1342 GoldTown JOHANNESBURG ZA	NL SP SW	BARCELONA LAUSANNE	AdventurePort Labyrinthe	SP4533 SW2323	

5 rows in set (0.00 sec)

MariaDB [themepark]> SELECT * FROM ATTRACTION;

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

11 rows in set (0.00 sec)

MariaDB [themepark]> SELECT * FROM ATTRACTION WHERE ATTRACT_NAME IS NOT NULL;

ATTRA	CT_NO	ATTRACT_NAME	ATTRACT_AGE	ATTRACT_CAPACITY	PARK_CODE
 	10034 10056 10067 10078 10098 20056 30011 30012 30044	ThunderCoaster SpinningTeacups FlightToStars Ant-Trap Carnival 3D-Lego_Show BlackHole2 Pirates UnderSeaWord	11 4 11 23 3 3 12 10	34 62 24 30 120 200 34 42	FR1001 FR1001 FR1001 FR1001 FR1001 FR1001 UK3452 UK3452 UK3452 UK3452
	98764	GoldRush	5	80	ZA1342
T		(0.00	T	T	T+

10 rows in set (0.00 sec)

MariaDB [themepark]> SELECT * FROM ATTRACTION WHERE ATTRACT_NAME IS NULL; +-----+
| ATTRACT_NO | ATTRACT_NAME | ATTRACT_AGE | ATTRACT_CAPACITY | PARK_CODE |

MariaDB [themepark]> SELECT * FROM ATTRACTION;

4			+	+ - -	
	ATTRACT_NO	ATTRACT_NAME	ATTRACT_AGE	ATTRACT_CAPACITY	PARK_CODE
7	40004				
	10034	ThunderCoaster	11	34	FR1001
	10056	SpinningTeacups	4	62	FR1001
	10067	FlightToStars	11	24	FR1001
	10078	Ant-Trap	23	30	FR1001
ĺ	10082	NULL	10	40	ZA1342
	10098	Carnival	3	120	FR1001
	20056	3D-Lego_Show	3	200	UK3452
ĺ	30011	BlackHole2	12	34	UK3452
	30012	Pirates	10	42	UK3452
	30044	UnderSeaWord	4	80	UK3452
ĺ	98764	GoldRush	5	80	ZA1342
_		L	L	L	L

11 rows in set (0.00 sec)

MariaDB [themepark]> SELECT * FROM ATTRACTION WHERE ATTRACT_AGE > 10 AND ATTRACT_AGE <20;

ATTRACT_NO	ATTRACT_NAME	ATTRACT_AGE	ATTRACT_CAPACITY	PARK_CODE
10034 10067	ThunderCoaster FlightToStars BlackHole2	11 11 12	34 24 34	FR1001 FR1001 UK3452
3 rows in set	(0.00 sec)	,	,	, ,

MariaDB [themepark]> SELECT * FROM ATTRACTION WHERE ATTRACT_AGE BETWEEN 10 AND 20;

_		· 	+	-	-
	ATTRACT_NO	ATTRACT_NAME	ATTRACT_AGE	ATTRACT_CAPACITY	PARK_CODE
	10034 10067 10082 30011 30012	ThunderCoaster FlightToStars NULL BlackHole2 Pirates	11 11 10 12 10	34 24 40 34 42	FR1001 FR1001 ZA1342 UK3452
7			T	r	T -

5 rows in set (0.00 sec)

MariaDB [themepark]> SELECT * FROM ATTRACTION WHERE ATTRACT_AGE NOT BETWEEN 10 AND 20;

+			+	-	++
į	ATTRACT_NO	ATTRACT_NAME	ATTRACT_AGE	ATTRACT_CAPACITY	PARK_CODE
1	10056 10078 10098 20056 30044 98764	SpinningTeacups Ant-Trap Carnival 3D-Lego_Show UnderSeaWord GoldRush	4 23 3 3 4	62 30 120 200 80	FR1001 FR1001 FR1001 UK3452 UK3452 ZA1342
_		<u>-</u>	L _	L -	

6 rows in set (0.00 sec)

MariaDB [themepark]> SELECT * FROM ATTRACTION;

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

11 rows in set (0.00 sec)

```
MariaDB [themepark] > SELECT DISTINCT PARK_CODE FROM ATTRACTION;
```

```
+-----+
| PARK_CODE |
+-----+
| FR1001 |
| UK3452 |
| ZA1342 |
```

3 rows in set (0.00 sec)

MariaDB [themepark] > SELECT DISTINCT (PARK_CODE) FROM ATTRACTION;

3 rows in set (0.00 sec)

MariaDB [themepark] > SELECT DISTINCT(PARK_CODE), ATTRACT_NAME FROM ATTRACTION;

11 rows in set (0.00 sec)

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

```
+-----+
| ATTRACT_NO | ATTRACT_NAME | ATTRACT_AGE | ATTRACT_CAPACITY | PARK_CODE |
```

_	L	L	L	L	_
	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 (0.00 sec)

MariaDB [themepark]> SELECT DISTINCT(PARK_CODE), ATTRACT_AGE FROM ATTRACTION;

+	+
PARK_CODE	ATTRACT_AGE
++	+
FR1001	11
FR1001	4
FR1001	23
ZA1342	10
FR1001	3
UK3452	3
UK3452	12
UK3452	10
UK3452	4
ZA1342	5
++	+

10 rows in set (0.00 sec)

MariaDB [themepark]> SELECT * FROM STUDENT;

	StName	FName	 Gender	Contact	İ
p19-6012 p19-6013 p19-6014 p19-6015	Arshad Arif Arshad Ali Muhammad Arshad Ahmad Ali	Arif Ali Ali Faizan Ali Ali	M M M	123 124 125 126 127	.

5 rows in set (0.01 sec)

MariaDB [themepark]> SELECT * FROM STUDENT WHERE STNAME = 'Arshad'; Empty set (0.00 sec)

MariaDB [themepark]> SELECT * FROM STUDENT;

+	+	+	+	+	+
RollNo	StName +	FName	Gender	Contact	ĺ
p19-6012 p19-6013 p19-6014 p19-6015	Arshad Arif Arshad Ali Muhammad Arshad Ahmad Ali	Arif Ali Ali Faizan Ali Ali	M M M	123 124 125 126 127	.

5 rows in set (0.00 sec)

```
MariaDB [themepark] > SELECT * FROM STUDENT WHERE STNAME LIKE 'Arshad%';
+----+
| RollNo | StName | FName | Gender | Contact |
+----+
| p19-6012 | Arshad Arif | Arif Ali | M | 123 |
| p19-6013 | Arshad Ali | Ali | M | 124
+----+
2 rows in set (0.00 sec)
MariaDB [themepark] > SELECT * FROM STUDENT WHERE STNAME LIKE '%Arshad';
+----+
| RollNo | StName | FName | Gender | Contact |
+-----
| p19-6014 | Muhammad Arshad | Faizan Ali | M | 125 |
+-----+----+-----+
1 row in set (0.00 sec)
MariaDB [themepark] > INSERT INTO STUDENT VALUES('P19-6017', 'Muhammad Arshad Ali',
'Ali', 'M', 128);
Query OK, 1 row affected (0.01 sec)
MariaDB [themepark]> SELECT * FROM STUDENT;
+----+
| RollNo | StName | FName | Gender | Contact |
6 rows in set (0.00 sec)
MariaDB [themepark] > SELECT * FROM STUDENT WHERE STNAME LIKE '%Arshad';
+----+
| RollNo | StName | FName | Gender | Contact |
+-----+----+-----+
| p19-6014 | Muhammad Arshad | Faizan Ali | M
+----+
1 row in set (0.00 sec)
MariaDB [themepark]> SELECT * FROM STUDENT WHERE STNAME LIKE '%Arshad%';
+-----
| RollNo | StName | FName | Gender | Contact |
+-----
4 rows in set (0.00 sec)
MariaDB [themepark]> SELECT * FROM STUDENT;
+-----
| RollNo | StName | FName | Gender | Contact |
+----+
```

```
| p19-6014 | Muhammad Arshad | Faizan Ali | M | 125
| p19-6015 | Ahmad Ali | Ali | M | 126
| p19-6016 | Ahmed Ali | Ali | M | 127
| P19-6017 | Muhammad Arshad Ali | Ali | M | 128
+----+
6 rows in set (0.00 sec)
MariaDB [themepark] > SELECT * FROM STUDENT WHERE STNAME LIKE 'Ahm_d Ali';
+-----+
| RollNo | StName | FName | Gender | Contact |
+----+
| p19-6015 | Ahmad Ali | Ali | M | 126
| p19-6016 | Ahmed Ali | Ali | M
                            | 127
+----+
2 rows in set (0.00 \text{ sec})
MariaDB [themepark] > SELECT * FROM STUDENT WHERE STNAME LIKE 'M%Arshad%';
+----+
| RollNo | StName | FName | Gender | Contact |
| p19-6014 | Muhammad Arshad | Faizan Ali | M | 125 | P19-6017 | Muhammad Arshad Ali | Ali | M | 128 |
+----+
2 rows in set (0.00 sec)
MariaDB [themepark] > SELECT * FROM STUDENT WHERE STNAME LIKE 'M%Arshad%A';
Empty set (0.00 sec)
MariaDB [themepark] > SELECT * FROM STUDENT WHERE STNAME LIKE 'M%Arshad%A%';
+----+
| RollNo | StName | FName | Gender | Contact |
+----+
| P19-6017 | Muhammad Arshad Ali | Ali | M | 128 |
+----+
1 row in set (0.00 sec)
MariaDB [themepark]>
```