

```
#01
MariaDB [(none)]> select 2 + 5;
+-----+
| 2 + 5 |
+-----+
|      7 |
+-----+
1 row in set (0.000 sec)
```

```
#02
MariaDB [(none)]> select length('      ');
+-----+
| length('      ') |
+-----+
|                5 |
+-----+
1 row in set (0.001 sec)
```

```
#03
MariaDB [(none)]> select length(trim('      '));
+-----+
| length(trim('      ')) |
+-----+
|                        0 |
+-----+
1 row in set (0.001 sec)
```

```
#04
system cls
```

```
#05
MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| dbebi   |
| information_schema |
| mysql    |
| performance_schema |
| sys      |
+-----+
5 rows in set (0.001 sec)
```

```
#06
MariaDB [(none)]> select database();
+-----+
| database() |
+-----+
| NULL       |
+-----+
1 row in set (0.001 sec)
```

```
MariaDB [(none)]>
```

```
#07
MariaDB [(none)]> drop database if exists dbspr;
Query OK, 0 rows affected, 1 warning (0.004 sec)
```

```
MariaDB [(none)]>
```

```
#08
MariaDB [(none)]> show warnings;
+-----+-----+-----+
| Level | Code | Message |
+-----+-----+-----+
| Note  | 1008 | Can't drop database 'dbspr'; database doesn't exist |
+-----+-----+-----+
1 row in set (0.005 sec)
```

MariaDB [(none)]>

#09

```
MariaDB [(none)]> create database if not exists dbspr
    -> collate latin1_swedish_ci
    -> charset latin1;
Query OK, 0 rows affected, 1 warning (0.001 sec)
```

MariaDB [(none)]> show databases;

Database
dbebi
dbspr
information_schema
mysql
performance_schema
sys

6 rows in set (0.001 sec)

#10

MariaDB [(none)]> select database();

database()
NULL

1 row in set (0.001 sec)

#11

MariaDB [dbspr]> select database();

database()
dbspr

1 row in set (0.003 sec)

#12

```
MariaDB [(none)]> use dbspr;
Database changed
```

#13

MariaDB [dbspr]> select database();

database()
dbspr

1 row in set (0.003 sec)

#14

```
MariaDB [dbspr]> show tables;
Empty set (0.002 sec)
```

#15

```
MariaDB [dbspr]> drop table if exists tbler;
Query OK, 0 rows affected, 1 warning (0.075 sec)
```

#16

MariaDB [dbspr]> show warnings;

Level	Code	Message
Note	1051	Unknown table 'dbspr.tbler'

1 row in set (0.001 sec)

```
#17
MariaDB [dbspr]> create table if not exists tbler
-> (
-> rno int primary key auto_increment,
-> sname varchar(5) not null check(length(trim(sname)) > 0),
-> m1 numeric(5,2) unsigned default 0,
-> m2 numeric(5,2) unsigned default 0,
-> total numeric(6,2) as (m1 + m2),
-> average numeric(5,2) as (total/2),
-> result Enum('Fail', 'Pass') as (if(m1 > 34.4 and m2 > 34.4 and m2 > 34.4, 'Pass', 'Fail'))))
auto_increment = 1001;
Query OK, 0 rows affected (0.022 sec)
```

```
#18
MariaDB [dbspr]> show tables;
+-----+
| Tables_in_dbspr |
+-----+
| tbler            |
+-----+
1 row in set (0.002 sec)
```

```
MariaDB [dbspr]>
```

```
#19
MariaDB [dbspr]> select * from tbler;
Empty set (0.008 sec)
```

```
MariaDB [dbspr]>
```

```
#20
MariaDB [dbspr]> select count(*) from tbler;
+-----+
| count(*) |
+-----+
|         0 |
+-----+
1 row in set (0.002 sec)
```

```
MariaDB [dbspr]>
```

```
#21
MariaDB [dbspr]> insert into tbler
-> (sname,m1,m2)
-> values
-> ('x5',56.5,63);
Query OK, 1 row affected (0.001 sec)
```

```
MariaDB [dbspr]>
```

```
#22
MariaDB [dbspr]> select * from tbler;
+-----+-----+-----+-----+-----+-----+-----+
| rno  | sname | m1    | m2    | total | average | result |
+-----+-----+-----+-----+-----+-----+-----+
| 1001 | x5    | 56.50 | 63.00 | 119.50 | 59.75   | Pass   |
| 1002 | x5    | 56.50 | 63.00 | 119.50 | 59.75   | Pass   |
+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.003 sec)
```

```
MariaDB [dbspr]>
```

```
#23
MariaDB [dbspr]> select count(*) from tbler;
+-----+
| count(*) |
+-----+
|         2 |
+-----+
```

1 row in set (0.001 sec)

MariaDB [dbspr]>

#24

MariaDB [dbspr]> insert into tbler

```
-> (sname,m1,m2)
-> values
-> ('x3', 36.5, 43),
-> ('x1', 52,45.5),
-> ('x2', 98, 20),
-> ('x4', 59, 62);
```

Query OK, 4 rows affected (0.001 sec)

Records: 4 Duplicates: 0 Warnings: 0

MariaDB [dbspr]>

#25

MariaDB [dbspr]> select * from tbler;

rno	sname	m1	m2	total	average	result
1001	x5	56.50	63.00	119.50	59.75	Pass
1002	x5	56.50	63.00	119.50	59.75	Pass
1003	x3	36.50	43.00	79.50	39.75	Pass
1004	x1	52.00	45.50	97.50	48.75	Pass
1005	x2	98.00	20.00	118.00	59.00	Fail
1006	x4	59.00	62.00	121.00	60.50	Pass

6 rows in set (0.001 sec)

MariaDB [dbspr]>

#26

MariaDB [dbspr]> select count(*) from tbler;

count(*)
6

1 row in set (0.001 sec)

MariaDB [dbspr]>

#27

MariaDB [dbspr]> update tbler set m2=73.5

```
-> where rno=1004;
```

Query OK, 0 rows affected (0.001 sec)

Rows matched: 1 Changed: 0 Warnings: 0

#28

MariaDB [dbspr]> select * from tbler;

rno	sname	m1	m2	total	average	result
1001	x5	56.50	63.00	119.50	59.75	Pass
1002	x5	56.50	63.00	119.50	59.75	Pass
1003	x3	36.50	43.00	79.50	39.75	Pass
1004	x1	52.00	73.50	125.50	62.75	Pass
1005	x2	98.00	20.00	118.00	59.00	Fail
1006	x4	59.00	62.00	121.00	60.50	Pass

6 rows in set (0.001 sec)

#29

MariaDB [dbspr]> select * from tbler where rno=1004;

rno	sname	m1	m2	total	average	result
1004	x1	52.00	73.50	125.50	62.75	Pass

1004	x1	52.00	73.50	125.50	62.75	Pass
------	----	-------	-------	--------	-------	------

1 row in set (0.003 sec)

```
#30
MariaDB [dbspr]> select * from tbler where rno != 1004;
```

rno	sname	m1	m2	total	average	result
1001	x5	56.50	63.00	119.50	59.75	Pass
1002	x5	56.50	63.00	119.50	59.75	Pass
1003	x3	36.50	43.00	79.50	39.75	Pass
1005	x2	98.00	20.00	118.00	59.00	Fail
1006	x4	59.00	62.00	121.00	60.50	Pass

5 rows in set (0.004 sec)

```
#31
MariaDB [dbspr]> select * from tbler where rno > 1001 and rno <1005;
```

rno	sname	m1	m2	total	average	result
1002	x5	56.50	63.00	119.50	59.75	Pass
1003	x3	36.50	43.00	79.50	39.75	Pass
1004	x1	52.00	73.50	125.50	62.75	Pass

3 rows in set (0.002 sec)

```
#32
MariaDB [dbspr]> select * from tbler where not (rno > 1001 and rno < 1005);
```

rno	sname	m1	m2	total	average	result
1001	x5	56.50	63.00	119.50	59.75	Pass
1005	x2	98.00	20.00	118.00	59.00	Fail
1006	x4	59.00	62.00	121.00	60.50	Pass

3 rows in set (0.002 sec)

```
#33
MariaDB [dbspr]> select * from tbler where rno > 1003;
```

rno	sname	m1	m2	total	average	result
1004	x1	52.00	73.50	125.50	62.75	Pass
1005	x2	98.00	20.00	118.00	59.00	Fail
1006	x4	59.00	62.00	121.00	60.50	Pass

3 rows in set (0.001 sec)

```
#34
MariaDB [dbspr]> select * from tbler where rno < 1003;
```

rno	sname	m1	m2	total	average	result
1001	x5	56.50	63.00	119.50	59.75	Pass
1002	x5	56.50	63.00	119.50	59.75	Pass

2 rows in set (0.002 sec)

```
#35
MariaDB [dbspr]> select rno, result from tbler;
```

rno	result
1001	Pass
1002	Pass
1003	Pass
1004	Pass

```
| 1005 | Fail |
| 1006 | Pass |
```

```
+-----+-----+
```

6 rows in set (0.001 sec)

#36

```
MariaDB [dbspr]> delete from tbler where rno=1003;
Query OK, 1 row affected (0.002 sec)
```

```
MariaDB [dbspr]>
```

#37

```
MariaDB [dbspr]> select * from tbler;
```

```
+-----+-----+-----+-----+-----+-----+-----+
| rno | sname | m1    | m2    | total | average | result |
+-----+-----+-----+-----+-----+-----+-----+
| 1001 | x5    | 56.50 | 63.00 | 119.50 | 59.75 | Pass |
| 1002 | x5    | 56.50 | 63.00 | 119.50 | 59.75 | Pass |
| 1004 | x1    | 52.00 | 73.50 | 125.50 | 62.75 | Pass |
| 1005 | x2    | 98.00 | 20.00 | 118.00 | 59.00 | Fail |
| 1006 | x4    | 59.00 | 62.00 | 121.00 | 60.50 | Pass |
+-----+-----+-----+-----+-----+-----+-----+
```

5 rows in set (0.001 sec)

#38

```
MariaDB [dbspr]> delete from tbler where rno >= 1004;
Query OK, 3 rows affected (0.001 sec)
```

```
MariaDB [dbspr]>
```

#39

```
MariaDB [dbspr]> select * from tbler;
```

```
+-----+-----+-----+-----+-----+-----+-----+
| rno | sname | m1    | m2    | total | average | result |
+-----+-----+-----+-----+-----+-----+-----+
| 1001 | x5    | 56.50 | 63.00 | 119.50 | 59.75 | Pass |
| 1002 | x5    | 56.50 | 63.00 | 119.50 | 59.75 | Pass |
+-----+-----+-----+-----+-----+-----+-----+
```

2 rows in set (0.001 sec)

#40

```
MariaDB [dbspr]> truncate table tbler;
Query OK, 0 rows affected (0.016 sec)
```

#41

```
MariaDB [dbspr]> select * from tbler;
Empty set (0.004 sec)
```

#42

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

```
+-----+
| Tables_in_dbspr |
+-----+
| tbler            |
+-----+
```

1 row in set (0.002 sec)

#43

```
MariaDB [dbspr]> drop table tbler;
Query OK, 0 rows affected (0.013 sec)
```

```
MariaDB [dbspr]>
```

#44

```
MariaDB [dbspr]> show tables;
Empty set (0.002 sec)
```