

```
#01
MariaDB [dbspr]> show tables;
+-----+
| Tables_in_dbspr |
+-----+
| tbl1er           |
| tblesa           |
| tblest           |
+-----+
3 rows in set (0.002 sec)

#02
MariaDB [dbspr]> create or replace table tbl2er
-> (
-> rno int primary key auto_increment,
-> sname varchar(5) not null check (length(trim(sname)) > 0),
-> m1 decimal (5,2) unsigned not null,
-> m2 decimal (5,2) unsigned not null
-> ) auto_increment = 1001;
Query OK, 0 rows affected (0.020 sec)

#03
MariaDB [dbspr]> select * from tbl2er;
Empty set (0.008 sec)

#04
MariaDB [dbspr]> insert into tbl2er
-> (sname, m1 , m2)
-> values
-> ('x5','56.5', 63),
-> ('x3','43' , 47.5),
-> ('x1','54.5' , 52),
-> ('x2','98' , 20),
-> ('x4','61' , 72.5);
Query OK, 5 rows affected (0.004 sec)
Records: 5  Duplicates: 0  Warnings: 0

#05
MariaDB [dbspr]> select * from tbl2er;
+-----+-----+-----+-----+
| rno | sname | m1   | m2   |
+-----+-----+-----+-----+
| 1001 | x5    | 56.50 | 63.00 |
| 1002 | x3    | 43.00 | 47.50 |
| 1003 | x1    | 54.50 | 52.00 |
| 1004 | x2    | 98.00 | 20.00 |
| 1005 | x4    | 61.00 | 72.50 |
+-----+-----+-----+-----+
5 rows in set (0.001 sec)

#06
MariaDB [dbspr]> select table_name, table_type from information_schema.tables where table_schema =
database();
+-----+-----+
| table_name | table_type |
+-----+-----+
| tbl1er     | BASE TABLE |
| tbl2er     | BASE TABLE |
| tblesa     | BASE TABLE |
| tblest     | BASE TABLE |
+-----+-----+
4 rows in set (0.008 sec)

#07
MariaDB [dbspr]> create or replace view vw2er
-> as
-> select
-> rno, sname , m1 , m2 ,
-> (m1 + m2 ) 'total',
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-> convert((m1 + m2) / 2, decimal(5,2)) 'average',
-> if(m1 > 34.4 and m2 > 34.4, 'Pass', 'Fail') 'result' from tbl2er;
Query OK, 0 rows affected (0.007 sec)
```

```
#08
MariaDB [dbspr]> select table_name, table_type from information_schema.tables where table_schema = database();
+-----+-----+
| table_name | table_type |
+-----+-----+
| tbl1er    | BASE TABLE |
| tbl2er    | BASE TABLE |
| tblesa    | BASE TABLE |
| tblest    | BASE TABLE |
| vw2er     | VIEW       |
+-----+-----+
5 rows in set (0.002 sec)
```

```
#09
MariaDB [dbspr]> select * from tbl2er;
+-----+-----+-----+
| rno | sname | m1   | m2   |
+-----+-----+-----+
| 1001 | x5   | 56.50 | 63.00 |
| 1002 | x3   | 43.00 | 47.50 |
| 1003 | x1   | 54.50 | 52.00 |
| 1004 | x2   | 98.00 | 20.00 |
| 1005 | x4   | 61.00 | 72.50 |
+-----+-----+-----+
5 rows in set (0.001 sec)
```

```
#10
MariaDB [dbspr]> select * from vw2er;
+-----+-----+-----+-----+-----+-----+
| rno | sname | m1   | m2   | total | average | result |
+-----+-----+-----+-----+-----+-----+
| 1001 | x5   | 56.50 | 63.00 | 119.50 | 59.75  | Pass   |
| 1002 | x3   | 43.00 | 47.50 | 90.50  | 45.25  | Pass   |
| 1003 | x1   | 54.50 | 52.00 | 106.50 | 53.25  | Pass   |
| 1004 | x2   | 98.00 | 20.00 | 118.00 | 59.00  | Fail   |
| 1005 | x4   | 61.00 | 72.50 | 133.50 | 66.75  | Pass   |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.002 sec)
```

```
#11
MariaDB [dbspr]> update tbl2er set m2=36 where rno = 1004;
Query OK, 1 row affected (0.004 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
#12
MariaDB [dbspr]> select * from tbl2er;
+-----+-----+-----+
| rno | sname | m1   | m2   |
+-----+-----+-----+
| 1001 | x5   | 56.50 | 63.00 |
| 1002 | x3   | 43.00 | 47.50 |
| 1003 | x1   | 54.50 | 52.00 |
| 1004 | x2   | 98.00 | 36.00 |
| 1005 | x4   | 61.00 | 72.50 |
+-----+-----+-----+
5 rows in set (0.001 sec)
```

```
#13
MariaDB [dbspr]> select * from vw2er;
+-----+-----+-----+-----+-----+-----+
| rno | sname | m1   | m2   | total | average | result |
+-----+-----+-----+-----+-----+-----+
| 1001 | x5   | 56.50 | 63.00 | 119.50 | 59.75  | Pass   |
| 1002 | x3   | 43.00 | 47.50 | 90.50  | 45.25  | Pass   |
+-----+-----+-----+-----+-----+-----+
```

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| 1003 | x1      | 54.50 | 52.00 | 106.50 |    53.25 | Pass   |
| 1004 | x2      | 98.00 | 36.00 | 134.00 |    67.00 | Pass   |
| 1005 | x4      | 61.00 | 72.50 | 133.50 |    66.75 | Pass   |
+-----+-----+-----+-----+-----+-----+

```

5 rows in set (0.001 sec)

#14

```
MariaDB [dbspr]> delete from tbl2er where rno = 1003;
Query OK, 1 row affected (0.004 sec)
```

#15

```
MariaDB [dbspr]> select * from tbl2er;
```

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+-----+-----+-----+
| rno | sname | m1   | m2   |
+-----+-----+-----+
| 1001 | x5    | 56.50 | 63.00 |
| 1002 | x3    | 43.00 | 47.50 |
| 1004 | x2    | 98.00 | 36.00 |
| 1005 | x4    | 61.00 | 72.50 |
+-----+-----+-----+

```

4 rows in set (0.001 sec)

#16

```
MariaDB [dbspr]> select * from vw2er;
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+-----+-----+-----+-----+-----+-----+
| rno | sname | m1   | m2   | total | average | result |
+-----+-----+-----+-----+-----+-----+
| 1001 | x5    | 56.50 | 63.00 | 119.50 | 59.75 | Pass   |
| 1002 | x3    | 43.00 | 47.50 | 90.50  | 45.25 | Pass   |
| 1004 | x2    | 98.00 | 36.00 | 134.00 | 67.00 | Pass   |
| 1005 | x4    | 61.00 | 72.50 | 133.50 | 66.75 | Pass   |
+-----+-----+-----+-----+-----+-----+

```

4 rows in set (0.001 sec)

#17

```
MariaDB [dbspr]> insert into tbl2er
    -> (sname, m1, m2)
    -> values
    -> ('t1', 81.5 , 79);
Query OK, 1 row affected (0.004 sec)
```

#18

```
MariaDB [dbspr]> insert into vw2er
    -> (sname, m1, m2)
    -> values
    -> ('t2',98,20);
```

ERROR 1471 (HY000): The target table vw2er of the INSERT is not insertable-into
MariaDB [dbspr]>

#19

```
MariaDB [dbspr]> select * from tbl2er;
```

```

+-----+-----+-----+
| rno | sname | m1   | m2   |
+-----+-----+-----+
| 1001 | x5    | 56.50 | 63.00 |
| 1002 | x3    | 43.00 | 47.50 |
| 1004 | x2    | 98.00 | 36.00 |
| 1005 | x4    | 61.00 | 72.50 |
| 1006 | t1    | 81.50 | 79.00 |
+-----+-----+-----+

```

5 rows in set (0.001 sec)

#20

```
MariaDB [dbspr]> select * from vw2er;
```

```

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

```

1002	x3	43.00	47.50	90.50	45.25	Pass
1004	x2	98.00	36.00	134.00	67.00	Pass
1005	x4	61.00	72.50	133.50	66.75	Pass
1006	t1	81.50	79.00	160.50	80.25	Pass

5 rows in set (0.002 sec)