

```

#01
MariaDB [dbspr]> create database if not exists dbspr;
Query OK, 0 rows affected, 1 warning (0.001 sec)

#02
MariaDB [dbspr]> show warnings;
+-----+
| Level | Code | Message |
+-----+
| Note  | 1007 | Can't create database 'dbspr'; database exists |
+-----+
1 row in set (0.000 sec)

#03
MariaDB [dbspr]> use dbspr;
Database changed

#04
MariaDB [dbspr]> show tables;
+-----+
| Tables_in_dbspr |
+-----+
| tbl1er           |
| tbl2er           |
| tbl2esa          |
| tblesa           |
| tblest           |
| vw2er            |
| vw2esa           |
+-----+
8 rows in set (0.002 sec)

#05
MariaDB [dbspr]> create or replace tabletbltst1
-> (
-> rno int primary key,
-> sname varchar(5)
-> );
Query OK, 0 rows affected (0.015 sec)

#06
MariaDB [dbspr]> select table_name, engine from information_schema.tables where
table_schema=database();
+-----+
| table_name | engine |
+-----+
|tbl1er      | InnoDB |
|tbl2er      | InnoDB |
|tbl2esa     | InnoDB |
|tblesa      | InnoDB |
|tblest      | InnoDB |
|tbltst1    | InnoDB |
|vw2er       | NULL   |
|vw2esa     | NULL   |
+-----+
8 rows in set (0.026 sec)

#07
MariaDB [dbspr]> alter tabletbltst1 engine=myISAM;
Query OK, 0 rows affected (0.038 sec)
Records: 0  Duplicates: 0  Warnings: 0

#08
MariaDB [dbspr]> select table_name, engine from information_schema.tables where
table_schema=database();
+-----+
| table_name | engine |
+-----+
|tbl1er      | InnoDB |

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| tbl2er      | InnoDB |
| tbl2esa     | InnoDB |
| tblesa      | InnoDB |
| tblest      | InnoDB |
|tbltst1      | MyISAM |
| vw2er       | NULL  |
| vw2esa      | NULL  |
+-----+-----+
8 rows in set (0.004 sec)

#09
MariaDB [dbspr]> alter table tbltst1 engine=InnoDB;
Query OK, 0 rows affected (0.036 sec)
Records: 0  Duplicates: 0  Warnings: 0

#10
MariaDB [dbspr]> select table_name, engine from information_schema.tables where
table_schema=database();
+-----+-----+
| table_name | engine |
+-----+-----+
| tbl1er     | InnoDB |
| tbl2er     | InnoDB |
|tbl2esa     | InnoDB |
| tblesa     | InnoDB |
| tblest     | InnoDB |
|tbltst1     | InnoDB |
| vw2er      | NULL  |
| vw2esa      | NULL  |
+-----+-----+
8 rows in set (0.004 sec)

#11
MariaDB [dbspr]> select * from tbltst1;
Empty set (0.002 sec)

#12
MariaDB [dbspr]> set autocommit =off;
Query OK, 0 rows affected (0.001 sec)

#13
MariaDB [dbspr]> insert into tbltst1
-> values
-> (101, 'x5'),
-> (102, 'x3'),
-> (103, 'x1');
Query OK, 3 rows affected (0.003 sec)
Records: 3  Duplicates: 0  Warnings: 0

#14
MariaDB [dbspr]> select * from tbltst1;
+-----+
| rno | sname |
+-----+
| 101 | x5   |
| 102 | x3   |
| 103 | x1   |
+-----+
3 rows in set (0.001 sec)

#15
MariaDB [dbspr]> rollback;
Query OK, 0 rows affected (0.003 sec)

#16
MariaDB [dbspr]> select * from tbltst1;
Empty set (0.001 sec)

#17

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```
MariaDB [dbspr]> insert intotbltst1
-> values
-> (101, 't5'),
-> (102, 't3'),
-> (103, 't1');
Query OK, 3 rows affected (0.002 sec)
Records: 3 Duplicates: 0 Warnings: 0

#18
MariaDB [dbspr]> select * fromtbltst1;
+---+---+
| rno | sname |
+---+---+
| 101 | t5   |
| 102 | t3   |
| 103 | t1   |
+---+---+
3 rows in set (0.001 sec)

#19
MariaDB [dbspr]> commit;
Query OK, 0 rows affected (0.004 sec)

#20
MariaDB [dbspr]>select * fromtbltst1;
+---+---+
| rno | sname |
+---+---+
| 101 | t5   |
| 102 | t3   |
| 103 | t1   |
+---+---+
3 rows in set (0.001 sec)

#21
MariaDB [dbspr]> rollback;
Query OK, 0 rows affected (0.001 sec)

#22
MariaDB [dbspr]> select * fromtbltst1;
+---+---+
| rno | sname |
+---+---+
| 101 | t5   |
| 102 | t3   |
| 103 | t1   |
+---+---+
3 rows in set (0.001 sec)

#23
MariaDB [dbspr]> updatetbltst1 set sname='x3' where sname = 't3';
Query OK, 1 row affected (0.006 sec)
Rows matched: 1 Changed: 1 Warnings: 0

#24
MariaDB [dbspr]> select * fromtbltst1;
+---+---+
| rno | sname |
+---+---+
| 101 | t5   |
| 102 | x3   |
| 103 | t1   |
+---+---+
3 rows in set (0.001 sec)

#25
MariaDB [dbspr]> rollback;
Query OK, 0 rows affected (0.003 sec)
```

```
#26
MariaDB [dbspr]> select * fromtbltst1;
+-----+
| rno | sname |
+-----+
| 101 | t5   |
| 102 | t3   |
| 103 | t1   |
+-----+
3 rows in set (0.001 sec)
```

```
#27
MariaDB [dbspr]> updatetbltst1 set sname='a3' where sname = 't3';
Query OK, 1 row affected (0.003 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
#28
MariaDB [dbspr]> select * fromtbltst1;
+-----+
| rno | sname |
+-----+
| 101 | t5   |
| 102 | a3   |
| 103 | t1   |
+-----+
3 rows in set (0.001 sec)
```

```
#29
MariaDB [dbspr]> commit;
Query OK, 0 rows affected (0.005 sec)
```

```
#30
MariaDB [dbspr]> select * fromtbltst1;
+-----+
| rno | sname |
+-----+
| 101 | t5   |
| 102 | a3   |
| 103 | t1   |
+-----+
3 rows in set (0.001 sec)
```

```
#31
MariaDB [dbspr]> rollback;
Query OK, 0 rows affected (0.000 sec)
```

```
#32
MariaDB [dbspr]> select * fromtbltst1;
+-----+
| rno | sname |
+-----+
| 101 | t5   |
| 102 | a3   |
| 103 | t1   |
+-----+
3 rows in set (0.001 sec)
```

```
#33
MariaDB [dbspr]> delete fromtbltst1 where rno=102;
Query OK, 1 row affected (0.003 sec)
```

```
#34
MariaDB [dbspr]> select * fromtbltst1;
+-----+
| rno | sname |
+-----+
| 101 | t5   |
| 103 | t1   |
+-----+
```

```
2 rows in set (0.001 sec)

#35
MariaDB [dbspr]> rollback;
Query OK, 0 rows affected (0.003 sec)

#36
MariaDB [dbspr]> select * fromtbltst1;
+-----+
| rno | sname |
+-----+
| 101 | t5   |
| 102 | a3   |
| 103 | t1   |
+-----+
3 rows in set (0.001 sec)

#37
MariaDB [dbspr]> delete fromtbltst1 where rno=102;
Query OK, 1 row affected (0.001 sec)

#38
MariaDB [dbspr]> select * fromtbltst1;
+-----+
| rno | sname |
+-----+
| 101 | t5   |
| 103 | t1   |
+-----+
2 rows in set (0.001 sec)

#39
MariaDB [dbspr]> commit;
Query OK, 0 rows affected (0.002 sec)

#40
MariaDB [dbspr]> select * fromtbltst1;
+-----+
| rno | sname |
+-----+
| 101 | t5   |
| 103 | t1   |
+-----+
2 rows in set (0.001 sec)

#41
MariaDB [dbspr]> rollback;
Query OK, 0 rows affected (0.000 sec)

#42
MariaDB [dbspr]> select * fromtbltst1;
+-----+
| rno | sname |
+-----+
| 101 | t5   |
| 103 | t1   |
+-----+
2 rows in set (0.001 sec)

#43
MariaDB [dbspr]> truncate tabletbltst1;
Query OK, 0 rows affected (0.029 sec)

#44
select * fromtbltst1;

#45
MariaDB [dbspr]> rollback;
Query OK, 0 rows affected (0.001 sec)
```

#46  
MariaDB [dbspr]> select \* fromtbltst1;  
Empty set (0.002 sec)