mysql> show databases;

+--------------------+

| Database |

+--------------------+

| dummydb |

| hospitals |

| information\_schema |

| mysql |

| performance\_schema |

| sakila |

| sys |

| world |

| zoo |

+--------------------+

9 rows in set (0.04 sec)

mysql> use dummydb;

Database changed

mysql> show tables;

+-------------------+

| Tables\_in\_dummydb |

+-------------------+

| cs\_faculty |

| cs\_faculty1 |

| customers |

| marks |

| marks1 |

| marks2 |

| marks3 |

| orders |

| students |

+-------------------+

9 rows in set (0.05 sec)

mysql> create table Random(A int, B varchar(50) DEFAULT 'Random Data', C int default 5);

Query OK, 0 rows affected (0.15 sec)

mysql> INSERT INTO RANDOM VALUES

-> (1),(2),(3),(4);

ERROR 1136 (21S01): Column count doesn't match value count at row 1

mysql> INSERT INTO RANDOM(A) VALUES

-> (1),(2),(3),(4);

Query OK, 4 rows affected (0.03 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> SELECT \* FROM RANDOM;

+------+-------------+------+

| A | B | C |

+------+-------------+------+

| 1 | Random Data | 5 |

| 2 | Random Data | 5 |

| 3 | Random Data | 5 |

| 4 | Random Data | 5 |

+------+-------------+------+

4 rows in set (0.02 sec)

mysql> SET AUTOCOMMIT = 0;

Query OK, 0 rows affected (0.01 sec)

mysql> #NOW THE CHANGES WONT BE SAVED AUTOMATICALLY TILL AUTOCOMMIT IS SET TO 1

mysql> INSERT INTO RANDOM(A) VALUES

-> (5),(6);

Query OK, 2 rows affected (0.03 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> SET SAVEPOINT A;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'A' at line 1

mysql> SAVEPOIN T A;\

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'SAVEPOIN T A' at line 1

mysql> SAVEPOIN T A;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'SAVEPOIN T A' at line 1

mysql> SAVEPOINT A;

Query OK, 0 rows affected (0.02 sec)

mysql> SELECT \* FROM RANDOM;

+------+-------------+------+

| A | B | C |

+------+-------------+------+

| 1 | Random Data | 5 |

| 2 | Random Data | 5 |

| 3 | Random Data | 5 |

| 4 | Random Data | 5 |

| 5 | Random Data | 5 |

| 6 | Random Data | 5 |

+------+-------------+------+

6 rows in set (0.02 sec)

mysql> DELETE FROM RANDOM WHERE A IN(6);

Query OK, 1 row affected (0.03 sec)

mysql> SELECT \* FROM RANDOM;

+------+-------------+------+

| A | B | C |

+------+-------------+------+

| 1 | Random Data | 5 |

| 2 | Random Data | 5 |

| 3 | Random Data | 5 |

| 4 | Random Data | 5 |

| 5 | Random Data | 5 |

+------+-------------+------+

5 rows in set (0.00 sec)

mysql> SAVEPOINT B;

Query OK, 0 rows affected (0.00 sec)

mysql> DELETE FROM RANDOM WHERE A IN(1,2);

Query OK, 2 rows affected (0.00 sec)

mysql> SELECT \* FROM RANDOM;

+------+-------------+------+

| A | B | C |

+------+-------------+------+

| 3 | Random Data | 5 |

| 4 | Random Data | 5 |

| 5 | Random Data | 5 |

+------+-------------+------+

3 rows in set (0.00 sec)

mysql> ROLLBACK TO SAVEPOINT B;

Query OK, 0 rows affected (0.04 sec)

mysql> SELECT \* FROM RANDOM;

+------+-------------+------+

| A | B | C |

+------+-------------+------+

| 1 | Random Data | 5 |

| 2 | Random Data | 5 |

| 3 | Random Data | 5 |

| 4 | Random Data | 5 |

| 5 | Random Data | 5 |

+------+-------------+------+

5 rows in set (0.00 sec)

mysql> ROLLBACK;

Query OK, 0 rows affected (0.04 sec)

mysql> SELECT \* FROM RANDOM;

+------+-------------+------+

| A | B | C |

+------+-------------+------+

| 1 | Random Data | 5 |

| 2 | Random Data | 5 |

| 3 | Random Data | 5 |

| 4 | Random Data | 5 |

+------+-------------+------+

4 rows in set (0.00 sec)

mysql> INSERT INTO RANDOM(A) VALUES

-> (5),(6),(7),(8);

Query OK, 4 rows affected (0.03 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> SET AUTOCOMMIT = 1;

Query OK, 0 rows affected (0.04 sec)

mysql> SELECT \* FROM RANDOM;

+------+-------------+------+

| A | B | C |

+------+-------------+------+

| 1 | Random Data | 5 |

| 2 | Random Data | 5 |

| 3 | Random Data | 5 |

| 4 | Random Data | 5 |

| 5 | Random Data | 5 |

| 6 | Random Data | 5 |

| 7 | Random Data | 5 |

| 8 | Random Data | 5 |

+------+-------------+------+

8 rows in set (0.00 sec)

mysql> ROLLBACK;

Query OK, 0 rows affected (0.00 sec)

mysql> SELECT \* FROM RANDOM;

+------+-------------+------+

| A | B | C |

+------+-------------+------+

| 1 | Random Data | 5 |

| 2 | Random Data | 5 |

| 3 | Random Data | 5 |

| 4 | Random Data | 5 |

| 5 | Random Data | 5 |

| 6 | Random Data | 5 |

| 7 | Random Data | 5 |

| 8 | Random Data | 5 |

+------+-------------+------+

8 rows in set (0.00 sec)

mysql>

mysql>

mysql>

mysql>

mysql> #TRANSACTION

mysql>

mysql> START TRANSACTION

-> ;

Query OK, 0 rows affected (0.00 sec)

mysql> #NOW THE CHANGES WONT BE SAVED AUTOMATICALLY UNTILL WE USE 'COMMIT' KEYWORD

mysql> INSERT INTO RANDOM(A) VALUES

-> (9),(10);

Query OK, 2 rows affected (0.02 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> SAVEPOINT A;

Query OK, 0 rows affected (0.00 sec)

mysql> SELECT \* FROM RANDOM;

+------+-------------+------+

| A | B | C |

+------+-------------+------+

| 1 | Random Data | 5 |

| 2 | Random Data | 5 |

| 3 | Random Data | 5 |

| 4 | Random Data | 5 |

| 5 | Random Data | 5 |

| 6 | Random Data | 5 |

| 7 | Random Data | 5 |

| 8 | Random Data | 5 |

| 9 | Random Data | 5 |

| 10 | Random Data | 5 |

+------+-------------+------+

10 rows in set (0.00 sec)

mysql> DELETE FROM RANDOM WHERE A IN(1);

Query OK, 1 row affected (0.00 sec)

mysql> SAVEPOINT B;

Query OK, 0 rows affected (0.00 sec)

mysql> DELETE FROM RANDOM WHERE A IN(2);

Query OK, 1 row affected (0.05 sec)

mysql> SELECT \* FROM RANDOM;

+------+-------------+------+

| A | B | C |

+------+-------------+------+

| 3 | Random Data | 5 |

| 4 | Random Data | 5 |

| 5 | Random Data | 5 |

| 6 | Random Data | 5 |

| 7 | Random Data | 5 |

| 8 | Random Data | 5 |

| 9 | Random Data | 5 |

| 10 | Random Data | 5 |

+------+-------------+------+

8 rows in set (0.00 sec)

mysql> ROLLBACK TO SAVEPOINT A;

Query OK, 0 rows affected (0.00 sec)

mysql> SELECT \* FROM RANDOM;

+------+-------------+------+

| A | B | C |

+------+-------------+------+

| 1 | Random Data | 5 |

| 2 | Random Data | 5 |

| 3 | Random Data | 5 |

| 4 | Random Data | 5 |

| 5 | Random Data | 5 |

| 6 | Random Data | 5 |

| 7 | Random Data | 5 |

| 8 | Random Data | 5 |

| 9 | Random Data | 5 |

| 10 | Random Data | 5 |

+------+-------------+------+

10 rows in set (0.00 sec)

mysql> COMMIT;

Query OK, 0 rows affected (0.05 sec)

mysql> ROLLBACK;

Query OK, 0 rows affected (0.00 sec)

mysql> SELECT \* FROM RANDOM;

+------+-------------+------+

| A | B | C |

+------+-------------+------+

| 1 | Random Data | 5 |

| 2 | Random Data | 5 |

| 3 | Random Data | 5 |

| 4 | Random Data | 5 |

| 5 | Random Data | 5 |

| 6 | Random Data | 5 |

| 7 | Random Data | 5 |

| 8 | Random Data | 5 |

| 9 | Random Data | 5 |

| 10 | Random Data | 5 |

+------+-------------+------+

10 rows in set (0.00 sec)

mysql> #TRANSACTION WITH READ ONLY AND READ WRITE MODES

mysql> SET TRANSACTION TO READ ONLY;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'TO READ ONLY' at line 1

mysql> SET TRANSACTION READ ONLY;

Query OK, 0 rows affected (0.00 sec)

mysql> DELETE FROM RANDOM WHERE A IN(1);

ERROR 1792 (25006): Cannot execute statement in a READ ONLY transaction.

mysql> SELECT \* FROM RANDOM;

+------+-------------+------+

| A | B | C |

+------+-------------+------+

| 1 | Random Data | 5 |

| 2 | Random Data | 5 |

| 3 | Random Data | 5 |

| 4 | Random Data | 5 |

| 5 | Random Data | 5 |

| 6 | Random Data | 5 |

| 7 | Random Data | 5 |

| 8 | Random Data | 5 |

| 9 | Random Data | 5 |

| 10 | Random Data | 5 |

+------+-------------+------+

10 rows in set (0.00 sec)

mysql> DELETE FROM RANDOM WHERE A IN(1);

Query OK, 1 row affected (0.03 sec)

mysql> SET TRANSACTION READ WRITE;

Query OK, 0 rows affected (0.00 sec)

mysql> COMMIT;

Query OK, 0 rows affected (0.00 sec)

mysql> SET TRANSACTION READ WRITE;

Query OK, 0 rows affected (0.00 sec)

mysql> INSERT INTO RANDOM(A) VALUES

-> (11),(12);

Query OK, 2 rows affected (0.02 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> SELECT \* FROM RANDOM;

+------+-------------+------+

| A | B | C |

+------+-------------+------+

| 2 | Random Data | 5 |

| 3 | Random Data | 5 |

| 4 | Random Data | 5 |

| 5 | Random Data | 5 |

| 6 | Random Data | 5 |

| 7 | Random Data | 5 |

| 8 | Random Data | 5 |

| 9 | Random Data | 5 |

| 10 | Random Data | 5 |

| 11 | Random Data | 5 |

| 12 | Random Data | 5 |

+------+-------------+------+

11 rows in set (0.00 sec)

mysql> SAVEPOINT A;

Query OK, 0 rows affected (0.00 sec)

mysql> INSERT INTO RANDOM(A) VALUES

-> (12),(13);

Query OK, 2 rows affected (0.03 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> ROLLBACK TO SAVEPOINT A;

ERROR 1305 (42000): SAVEPOINT A does not exist

mysql> COMMIT;

Query OK, 0 rows affected (0.00 sec)

mysql> SELECT \* FROM RANDOM;

+------+-------------+------+

| A | B | C |

+------+-------------+------+

| 2 | Random Data | 5 |

| 3 | Random Data | 5 |

| 4 | Random Data | 5 |

| 5 | Random Data | 5 |

| 6 | Random Data | 5 |

| 7 | Random Data | 5 |

| 8 | Random Data | 5 |

| 9 | Random Data | 5 |

| 10 | Random Data | 5 |

| 11 | Random Data | 5 |

| 12 | Random Data | 5 |

| 12 | Random Data | 5 |

| 13 | Random Data | 5 |

+------+-------------+------+

13 rows in set (0.00 sec)

mysql> NOTEE;

