TCL(TRANSCATION CONTOL LANGUAGE):

TCL commands can only use with DML commands like INSERT, DELETE and UPDATE only.

These operations are automatically committed in the database that's why they cannot be used while creating tables or dropping them.

Here are some commands that come under TCL:

- o COMMIT
- o ROLLBACK
- o SAVEPOINT

SAVEPOINT: It is used to roll the transaction back to a certain point without rolling back the entire transaction.
EXAMPLE FOR SAVEPOINT;

```
+------+--------+------+------------+
| roll | name   | age  | place      |
+------+--------+------+------------+
|    1 | sandy  |   24 | chennai    |
|    2 | abi    |   17 | bangalore  |
|    3 | uma    |   27 | karaikal   |
|    4 | mahesh |   28 | coimbatore |
|    5 | ramesh |   24 | gujarat    |
|    6 | uday   |   29 | hyderbad   |
+------+--------+------+------------+
6 rows in set (0.00 sec)

mysql> savepoint C;
Query OK, 0 rows affected (0.00 sec)

mysql> delete from info where roll=2;
Query OK, 1 row affected (0.00 sec)

mysql> select*from info;
+------+--------+------+------------+
| roll | name   | age  | place      |
+------+--------+------+------------+
|    1 | sandy  |   24 | chennai    |
|    3 | uma    |   27 | karaikal   |
|    4 | mahesh |   28 | coimbatore |
|    5 | ramesh |   24 | gujarat    |
|    6 | uday   |   29 | hyderbad   |
```

```
+------+--------+------+------------+
```
5 rows in set (0.00 sec)

mysql> savepoint D;
Query OK, 0 rows affected (0.00 sec)

Rollback: Rollback command is used to undo transactions that have not already been saved to the database.

EXAMPLE FOR ROLLBACK:

mysql> rollback to c;
Query OK, 0 rows affected (0.00 sec)

mysql> select*from info;
```
+------+--------+------+------------+
| roll | name   | age  | place      |
+------+--------+------+------------+
|    1 | sandy  |   24 | chennai    |
|    2 | abi    |   17 | bangalore  |
|    3 | uma    |   27 | karaikal   |
|    4 | mahesh |   28 | coimbatore |
|    5 | ramesh |   24 | gujarat    |
|    6 | uday   |   29 | hyderbad   |
+------+--------+------+------------+
```
6 rows in set (0.00 sec)

mysql> rollback to b;
Query OK, 0 rows affected (0.00 sec)

mysql> select*from info;
```
+------+--------+------+------------+
| roll | name   | age  | place      |
+------+--------+------+------------+
|    1 | sandy  |   24 | chennai    |
|    2 | abi    |   17 | bangalore  |
|    3 | uma    |   27 | karaikal   |
|    4 | mahesh |   28 | coimbatore |
|    5 | ramesh |   24 | kerala     |
|    6 | uday   |   29 | hyderbad   |
+------+--------+------+------------+
```
6 rows in set (0.00 sec)

Commit: Commit command is used to save all the transactions to the database.

EXAMPLE FOR COMMIT;

mysql> commIt;
Query OK, 0 rows affected (0.00 sec)

```
mysql> select*from info;
+------+--------+------+------------+
| roll | name   | age  | place      |
+------+--------+------+------------+
|    1 | sandy  |   24 | chennai    |
|    2 | abi    |   17 | bangalore  |
|    3 | uma    |   27 | karaikal   |
|    4 | mahesh |   28 | coimbatore |
|    5 | ramesh |   24 | kerala     |
|    6 | uday   |   29 | hyderbad   |
+------+--------+------+------------+
6 rows in set (0.00 sec)
```