

12.TCL Commands –

- Commit and rollback –

```
mysql> START TRANSACTION;
Query OK, 0 rows affected (0.00 sec)

mysql> INSERT INTO student5
  -> VALUES (4, 'Emily Johnson', 22, 'A');
Query OK, 1 row affected (0.00 sec)

mysql> UPDATE student
  -> SET age = 23
  -> WHERE id = 2;
ERROR 1054 (42S22): Unknown column 'age' in 'field list'
mysql> UPDATE student5
  -> SET age = 23
  -> WHERE id = 2;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

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

mysql> SELECT * FROM student5;
+----+-----+-----+-----+
| id | name       | age | grade |
+----+-----+-----+-----+
| 1  | John Doe   | 18  | A      |
| 2  | Jane Smith | 23  | B      |
| 3  | Michael Johnson | 20  | A      |
| 4  | Emily Johnson | 22  | A      |
+----+-----+-----+-----+
4 rows in set (0.00 sec)

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

mysql> SELECT * FROM student5;
+----+-----+-----+-----+
| id | name       | age | grade |
+----+-----+-----+-----+
| 1  | John Doe   | 18  | A      |
| 2  | Jane Smith | 23  | B      |
| 3  | Michael Johnson | 20  | A      |
| 4  | Emily Johnson | 22  | A      |
+----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql>
```