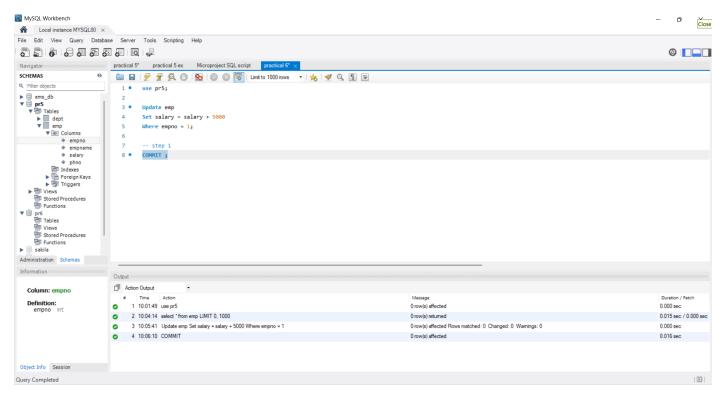# DBMS PRACTICAL NO.: 06

**Name: yash ajay magar**

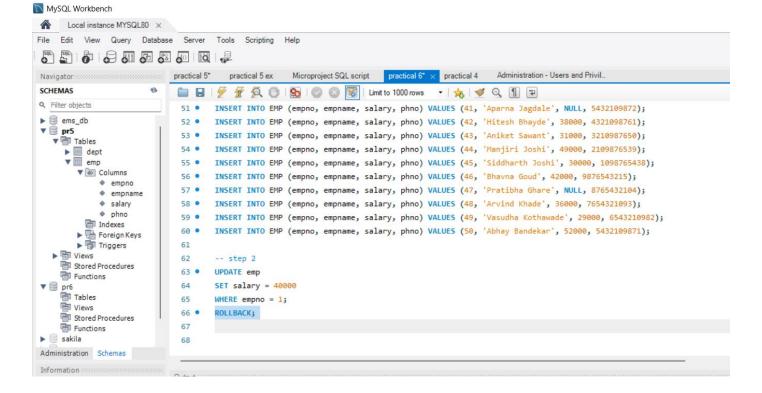_**Experiment No 06:** Execute TCL Commands to control transactions on data using SQL_

# EXERCISE:

1. Write TCL command to save all the changes made so far in the EMP



_Explanation: Updates the salary of empno 1 and then saves (commits) this change so it can't be undone._

2. Delete any one record in the EMP table created earlier and undo the deletion operation

3. *You are in the middle of a transaction and want to set a savepoint named BeforeSalaryUpdate. Write the SQL command to set this savepoint.*

MySQL Workbench

Local instance MYSQL80 ×

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Administration  Schemas

Information

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Limit to 1000 rows

```
61 •    INSERT INTO EMP (empno, empname, salary, phno) VALUES (50, 'Abhay Bandekar', 52000, 5432109871)
62
63      -- step 2
64 •    UPDATE emp
65      SET salary = 40000
66      WHERE empno = 1;
67 •    ROLLBACK;
68
69      -- step 3
70 •    SAVEPOINT BeforeSalaryUpdate;
71 •    UPDATE emp
72      SET salary = 300000
73      WHERE empno = 1;
74 •    ROLLBACK TO BeforeSalaryUpdate;
75 •    COMMIT;
76
77
78
```

Output

Action Output

| # | Time | Action | Message | Duration / Fetch |
|---|------|--------|---------|------------------|
| ✓ | 17  10:49:43 | UPDATE emp SET salary = 300000 WHERE empno = 1 | 0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0 | 0.000 sec |
| ✗ | 18  10:49:47 | ROLLBACK TO BeforeSalaryUpdate | Error Code: 1305. SAVEPOINT BeforeSalaryUpdate does not exist | 0.000 sec |
| ✓ | 19  10:52:09 | Start transaction | 0 row(s) affected | 0.000 sec |
| ✓ | 20  10:52:20 | SAVEPOINT BeforeSalaryUpdate | 0 row(s) affected | 0.000 sec |
| ✓ | 21  10:52:25 | UPDATE emp SET salary = 300000 WHERE empno = 1 | 0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0 | 0.000 sec |
| ✓ | 22  10:52:30 | ROLLBACK TO BeforeSalaryUpdate | 0 row(s) affected | 0.000 sec |