

Practical No.07

1. Transaction for student relation

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

mysql> INSERT INTO student values(5, "Varun", 22, "Mumbai");
Query OK, 1 row affected (0.01 sec)

mysql> SELECT * FROM student;
+-----+-----+-----+-----+
| sid | sname | age | address |
+-----+-----+-----+-----+
| 1 | shubham | 22 | abad |
| 2 | Kunal | 20 | Waluj |
| 3 | Sandeep | 25 | Bajaj Nagar |
| 4 | Vaibhav | 22 | Nagpur |
| 5 | Varun | 22 | Mumbai |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> COMMIT;
Query OK, 0 rows affected (0.01 sec)

mysql> SET autocommit=0;
Query OK, 0 rows affected (0.00 sec)
```

2. Rollback Transaction

```
mysql> DELETE FROM student WHERE sid = 4;
Query OK, 1 row affected (0.01 sec)

mysql> SELECT * FROM student;
+-----+-----+-----+-----+
| sid | sname | age | address |
+-----+-----+-----+-----+
| 1 | shubham | 22 | abad |
| 2 | Kunal | 20 | Waluj |
| 3 | Sandeep | 25 | Bajaj Nagar |
| 5 | Varun | 22 | Mumbai |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> ROLLBACK;
Query OK, 0 rows affected (0.01 sec)

mysql> SELECT * FROM student;
+-----+-----+-----+-----+
| sid | sname | age | address |
+-----+-----+-----+-----+
| 1 | shubham | 22 | abad |
| 2 | Kunal | 20 | Waluj |
| 3 | Sandeep | 25 | Bajaj Nagar |
| 4 | Vaibhav | 22 | Nagpur |
| 5 | Varun | 22 | Mumbai |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql>
```