

Lab 3: Use of Commit and Rollback

1. Create a database, connect to it and create a table named student

CREATE DATABASE LAB3

USE LAB 3;

CREATE TABLE student(

*sid int identity(1,1) primary key,
 sname varchar(20) NOT NULL,
 saddress varchar(20),
 DOB DATE,
 Marks float
);*

2. Display Student table

*SELECT * FROM Student;*

Results					Messages	
sid	sname	saddress	DOB	Marks		

Q | ABINASHREGMI\sqlexpress (16...) | ABINASHREGMI\dell (54) | LAB3 | 00:00:00 | 0 rows

3. Rollback

ROLLBACK

Messages	
Msg 208, Level 16, State 1, Line 27 Invalid object name 'student'.	
Completion time: 2025-08-11T15:57:01.4631578+05:45	
100 %	No issues found
ln: 3	Ch: 1

lexpress (16...) | ABINASHREGMI\dell (54) | LAB3 | 00:00:00 | 0 rows

4. Create Student Table again

```
CREATE TABLE student(  
    sid int identity(1,1) primary key,  
    sname varchar(20) NOT NULL,  
    saddress varchar(20),  
    DOB DATE,  
    Marks float  
);
```

Commands completed successfully.

Completion time: 2025-08-11T16:03:42.8835942+05:45

100 % No issues found Ln: 1 Ch: 10
| express (16... | ABINASHREGMI\dell (54) | LAB3 | 00:00:00 | 0 row:

5. Commit

```
COMMIT
```

Commands completed successfully.

Completion time: 2025-08-11T16:07:16.8797556+05:45

100 % No issues found Ln: 4 Ch: 10
| express (16... | ABINASHREGMI\dell (54) | LAB3 | 00:00:00 |

6. Display Student Table

```
SELECT * FROM student;
```

	sid	sname	saddress	DOB	Marks	

| express (16... | ABINASHREGMI\dell (54) | LAB3 | 00:00:00 |

7. Insert Data

```
INSERT INTO student (sname, saddress, DOB, Marks) VALUES  
    ('Aarav Sharma', 'Kathmandu', '2005-03-15', 85.5),  
    ('Sita Thapa', 'Lalitpur', '2004-07-22', 78.0),
```

('Ramesh Karki', 'Bhaktapur', '2005-11-05', 92.3),
 ('Anjali Rai', 'Pokhara', '2006-01-30', 88.7),
 ('Bikash Gurung', 'Biratnagar', '2004-09-12', 74.5),
 ('Nisha Shrestha', 'Dharan', '2005-06-18', 81.2),
 ('Prakash Lama', 'Butwal', '2006-04-25', 69.8),
 ('Meena Raut', 'Besisahar', '2004-11-11', 89.4),
 ('Bibek Regmi', 'Jumla', '2006-01-05', 77.8),
 ('Laxmi Bhandari', 'Ilam', '2005-08-19', 86.6);

8. Check Rollback, Commit

Rollback

	Results	Messages			
	sid	sname	saddress	DOB	Marks

lexpress (16... | ABINASHREGMI\dell (54) | LAB3 |

COMMIT

	sid	sname	saddress	DOB	Marks
1	11	Aarav Sharma	Kathmandu	2005-03-15	85.5
2	12	Sita Thapa	Lalitpur	2004-07-22	78
3	13	Ramesh Karki	Bhaktapur	2005-11-05	92.3
4	14	Anjali Rai	Pokhara	2006-01-30	88.7
5	15	Bikash Guru...	Biratnagar	2004-09-12	74.5
6	16	Nisha Shrest...	Dharan	2005-06-18	81.2
7	17	Prakash La...	Butwal	2006-04-25	69.8
8	18	Meena Raut	Besisahar	2004-11-11	89.4
9	19	Bibek Regmi	Jumla	2006-01-05	77.8
10	20	Laxmi Bhan...	Ilam	2005-08-19	86.6

xpress (16... | ABINASHREGMI\dell (54) | LAB3 | 00:00:00

9.Delete records

DELETE FROM student WHERE saddress = 'kathmandu';

	sid	sname	saddress	DOB	Marks
1	12	Sita Thapa	Lalitpur	2004-07-22	78
2	13	Ramesh Karki	Bhaktapur	2005-11-05	92.3
3	14	Anjali Rai	Pokhara	2006-01-30	88.7
4	15	Bikash Gurung	Biratnagar	2004-09-12	74.5
5	16	Nisha Shrestha	Dharan	2005-06-18	81.2
6	17	Prakash Lama	Butwal	2006-04-25	69.8
7	18	Meena Raut	Besisahar	2004-11-11	89.4
8	19	Bibek Regmi	Jumla	2006-01-05	77.8
9	20	Laxmi Bhandari	Ilam	2005-08-19	86.6

express (16... | ABINASHREGMI\dell (54) | LAB3 | 00:00:00

10.Check Rollback, Commit

ROLLBACK

Commands completed successfully.

Completion time: 2025-08-11T16:26:23.6814675+05:45

100 % No issues found Ln: 4 Ch:
express (16... | ABINASHREGMI\dell (54) | LAB3 | 00:00:00 | 0

COMMIT

	sid	sname	saddress	DOB	Marks
1	11	Aarav Sharma	Kathmandu	2005-03-15	85.5
2	12	Sita Thapa	Lalitpur	2004-07-22	78
3	13	Ramesh Karki	Bhaktapur	2005-11-05	92.3
4	14	Anjali Rai	Pokhara	2006-01-30	88.7
5	15	Bikash Gurung	Biratnagar	2004-09-12	74.5
6	16	Nisha Shrestha	Dharan	2005-06-18	81.2
7	17	Prakash Lama	Butwal	2006-04-25	69.8
8	18	Meena Raut	Besisahar	2004-11-11	89.4
9	19	Bibek Regmi	Jumla	2006-01-05	77.8
10	20	Laxmi Bhandari	Ilam	2005-08-19	86.6

express (16... | ABINASHREGMI\dell (54) | LAB3 | 00:00:00

11.Update Data

UPDATE student

SET saddress = 'Bhaktapur'

WHERE Marks > 80

	sid	sname	saddress	DOB	Marks
1	11	Aarav Sharma	Bhaktapur	2005-03-15	85.5
2	12	Sita Thapa	Lalitpur	2004-07-22	78
3	13	Ramesh Karki	Bhaktapur	2005-11-05	92.3
4	14	Anjali Rai	Bhaktapur	2006-01-30	88.7
5	15	Bikash Gurung	Biratnagar	2004-09-12	74.5
6	16	Nisha Shrestha	Bhaktapur	2005-06-18	81.2
7	17	Prakash Lama	Butwal	2006-04-25	69.8
8	18	Meena Raut	Bhaktapur	2004-11-11	89.4
9	19	Bibek Regmi	Jumla	2006-01-05	77.8
10	20	Laxmi Bhandari	Bhaktapur	2005-08-19	86.6

express (16... | ABINASHREGMI\dell (54) | LAB3 | 00:00:00

12.Check Commit, Rollback

COMMIT

Commands completed successfully.

Completion time: 2025-08-11T16:30:54.6487198+05:45

ROLLBACK

100 % No issues found Ln: 4 Ch: 1 TABS MIX
express (16... | ABINASHREGMI\dell (54) | LAB3 | 00:00:00

ROLLBACK

Msg 3903, Level 16, State 1, Line 32

The ROLLBACK TRANSACTION request has no corresponding BEGIN TRANSACTION

Completion time: 2025-08-11T16:32:20.1259113+05:45

100 % No issues found Ln: 5 Ch: 1 TABS MIX
INASHREGMI\salessexpress (16... | ABINASHREGMI\dell (54) | LAB3 | 00:00:00 | 0 row

13.Drop Table

```
DROP TABLE student;
```

```
Commands completed successfully.
```

```
Completion time: 2025-08-11T16:35:04.1065599+05:45
```

100 % No issues found Ln: 4 Ch: 1
lexpress (16... | ABINASHREGMI\dell (54) | LAB3 | 00:00:00 | 0 row

14.Check Roll, Commit

```
ROLLBACK
```

```
Commands completed successfully.
```

```
Completion time: 2025-08-11T16:35:04.1065599+05:45
```

100 % No issues found Ln: 4 Ch: 1
lexpress (16... | ABINASHREGMI\dell (54) | LAB3 | 00:00:00 | 0 row

```
COMMIT
```

Messages
Msg 3902, Level 16, State 1, Line 30
The COMMIT TRANSACTION request has no corresponding BEGIN TRANSACTION
Completion time: 2025-08-11T16:36:49.6991210+05:45

100 % No issues found Ln: 5 Ch: 1 TABS
ARINASHREGMI\sqlsvr\16 | ARINASHREGMI\dell (54) | LAB3 | 00:00:00 |