

Lab 3: Use of Commit and Rollback

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

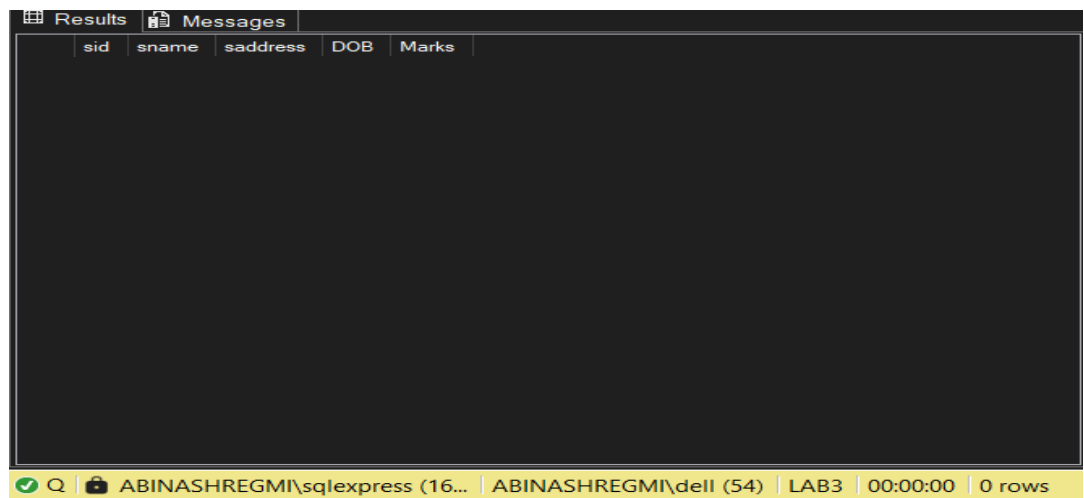
```
CREATE DATABASE LAB3
```

```
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  
);
```

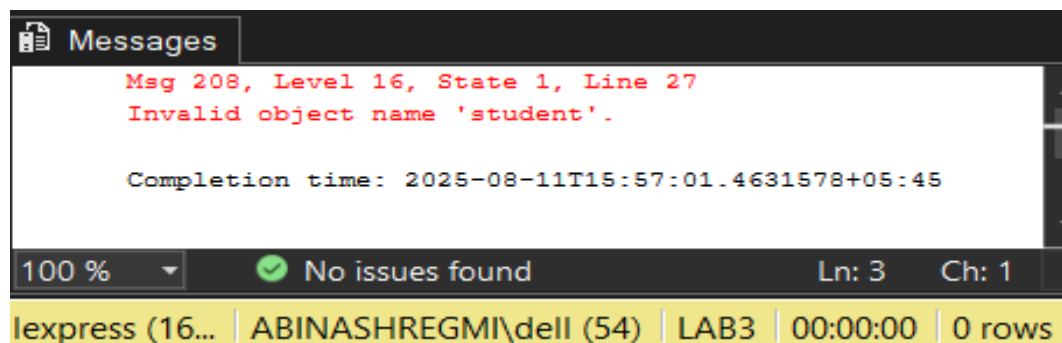
2. Display Student table

```
SELECT * FROM Student;
```



3. Rollback

```
ROLLBACK
```




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

5. Commit

COMMIT

Commands completed successfully.

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

100 %  No issues found Ln: 4

lexpress (16...	ABINASHREGMI\de11 (54)	LAB3	00:00:00
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6. Display Student Table

```
SELECT * FROM student;
```

sid	sname	saddress	DOB	Marks
lexpress (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\de	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

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\deII (54)	LAB3	00:00:00
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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\deII (54)	LAB3	00:00:00

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\deII (54)	LAB3	00:00:00
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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

lexpress (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

lexpress (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\salexpress (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\deli (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\deli (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: 5Ch: 1TABS