

You can start the practice on below commands .

- Drop
- Truncate
- Delete
- Delete with conditional data
- Update
- Update with Condition
- Alter (table name , Rename ,Column Addition , Column Deletion , Column rename)

The screenshot shows the DBeaver 22.2.0 interface with the SQL Editor open. The SQL Editor contains the following commands:

```
-----Commands-----  
  
create table ANS_orders(  
    order_id int primary key,  
    order_name varchar(20) not null,  
    order_date date not null check(order_date< '2022-09-02'))  
  
INSERT INTO ANS_orders VALUES  
(1,'Keyboard', '2022-06-22'),  
(2, 'Mouse', '2022-08-13'),  
(3, 'Monitor', '2022-06-23'),  
(4, 'Mousepad', '2022-08-17'),  
(5, 'Printer', '2022-07-16'),  
(6, 'Mouse', '2022-07-26');  
  
ALTER TABLE ANS_orders ADD customer_id int;  
  
SELECT * FROM ANS_orders
```

The Results pane shows the following data:

order_id	order_name	order_date	customer_id
1	Keyboard	2022-06-22	[NULL]
2	Mouse	2022-08-13	[NULL]
3	Monitor	2022-06-23	[NULL]
4	Mousepad	2022-08-17	[NULL]
5	Printer	2022-07-16	[NULL]
6	Mouse	2022-07-26	[NULL]

The status bar indicates: Rows: 1 | 6 row(s) fetched - 240ms, on 2022-09-08 at 16:58:31

The screenshot shows the DBeaver 22.2.0 interface with the SQL Editor open. The SQL Editor contains the following commands:

```
-----Commands-----  
  
create table ANS_orders(  
    order_id int primary key,  
    order_name varchar(20) not null,  
    order_date date not null check(order_date< '2022-09-02'))  
  
INSERT INTO ANS_orders VALUES  
(1,'Keyboard', '2022-06-22'),  
(2, 'Mouse', '2022-08-13'),  
(3, 'Monitor', '2022-06-23'),  
(4, 'Mousepad', '2022-08-17'),  
(5, 'Printer', '2022-07-16'),  
(6, 'Mouse', '2022-07-26');  
  
ALTER TABLE ANS_orders ADD customer_id int;  
  
UPDATE ANS_orders SET customer_id=10;
```

The Results pane shows the following data:

order_id	order_name	order_date	customer_id
1	Keyboard	2022-06-22	10
2	Mouse	2022-08-13	10
3	Monitor	2022-06-23	10
4	Mousepad	2022-08-17	10
5	Printer	2022-07-16	10
6	Mouse	2022-07-26	10

The status bar indicates: Rows: 1 | 6 row(s) fetched - 280ms, on 2022-09-08 at 17:07:34

DBeaver 22.2.0 - <dlithe> Script-1

File Edit Navigate Search SQL Editor Database Window Help

SQL Commit Rollback Auto dlithe dbo@dlithe

Databases... x

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dlithe - reworksol

Databases

Security

Logins

Administrator

Sessions

Script-1

```
order_name varchar(20) not null,
order_date date not null check(order_date < '2022-09-02'))

INSERT INTO ANS_orders VALUES
(1, 'Keyboard', '2022-06-22'),
(2, 'Mouse', '2022-08-13'),
(3, 'Monitor', '2022-06-23'),
(4, 'Mousepad', '2022-08-17'),
(5, 'Printer', '2022-07-16'),
(6, 'Mouse', '2022-07-26');

ALTER TABLE ANS_orders ADD customer_id int;

UPDATE ANS_orders SET customer_id=10;

UPDATE ANS_orders SET customer_id=20 WHERE ORDER_ID=3;

SELECT * FROM ANS_orders
```

Results 1 x

SELECT * FROM ANS_orders

order_id	order_name	order_date	customer_id
1	Keyboard	2022-06-22	10
2	Mouse	2022-08-13	10
3	Monitor	2022-06-23	20
4	Mousepad	2022-08-17	10
5	Printer	2022-07-16	10
6	Mouse	2022-07-26	10

Save Cancel Script 200 6 Rows: 1 6 row(s) fetched - 237ms, on 2022-09-08 at 17:08:36

IST en Writable Smart Insert 176 : 55 [54] Set: 54 | 1

75°F Cloudy 5:08 PM 9/8/2022

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Databases... x

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Databases

Security

Logins

Administrator

Sessions

Script-1

```
INSERT INTO ANS_orders VALUES
(1, 'Keyboard', '2022-06-22'),
(2, 'Mouse', '2022-08-13'),
(3, 'Monitor', '2022-06-23'),
(4, 'Mousepad', '2022-08-17'),
(5, 'Printer', '2022-07-16'),
(6, 'Mouse', '2022-07-26');

ALTER TABLE ANS_orders ADD customer_id int;

UPDATE ANS_orders SET customer_id=10;

UPDATE ANS_orders SET customer_id=20 WHERE ORDER_ID=3;

ALTER TABLE ANS_orders DROP COLUMN customer_id
```

Results 1 x

SELECT * FROM ANS_orders

order_id	order_name	order_date
1	Keyboard	2022-06-22
2	Mouse	2022-08-13
3	Monitor	2022-06-23
4	Mousepad	2022-08-17
5	Printer	2022-07-16
6	Mouse	2022-07-26

Save Cancel Script 200 6 Rows: 1 6 row(s) fetched - 363ms, on 2022-09-08 at 17:15:37

IST en Writable Smart Insert 178 : 47 [46] Set: 46 | 1

75°F Cloudy 5:15 PM 9/8/2022

DBeaver 22.2.0 - <dlithe> Script-1

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SQL Commit Rollback Auto dlithe dbo@dlithe

Databases - reworksol

- Databases
- Security
- Logins
- Administrator
- Sessions

Script-1.sql

```
(4, 'Mousepad', '2022-08-17'),
(5, 'Printer', '2022-07-16'),
(6, 'Mouse', '2022-07-26');

ALTER TABLE ANS_orders ADD customer_id int;

UPDATE ANS_orders SET customer_id=10;

UPDATE ANS_orders SET customer_id=20 WHERE ORDER_ID=3;

ALTER TABLE ANS_orders DROP COLUMN customer_id

DELETE FROM ANS_orders WHERE ORDER_ID=1;
```

Results 1 x

SELECT * FROM ANS_orders

order_id	order_name	order_date
1	Mouse	2022-08-13
2	Monitor	2022-06-23
3	Mousepad	2022-08-17
4	Printer	2022-07-16
5	Mouse	2022-07-26

Save Cancel Script 200 5 Rows: 1 5 row(s) fetched - 240ms, on 2022-09-08 at 17:16:25

IST en Writable Smart Insert 180 : 41 [40] Set: 40 | 1

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DBeaver 22.2.0 - <dlithe> Script-1

File Edit Navigate Search SQL Editor Database Window Help

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Databases - reworksol

- Databases
- Security
- Logins
- Administrator
- Sessions

Script-1.sql

```
UPDATE ANS_orders SET customer_id=10;

UPDATE ANS_orders SET customer_id=20 WHERE ORDER_ID=3;

ALTER TABLE ANS_orders DROP COLUMN customer_id

DELETE FROM ANS_orders WHERE ORDER_ID=1;

DELETE from ANS_orders ;

SELECT * FROM ANS_orders
```

Results 1 x

SELECT * FROM ANS_orders

order_id	order_name	order_date
----------	------------	------------

Save Cancel Script 200 0 Rows: 0 No data- 490ms, on 2022-09-08 at 17:17:11

IST en Writable Smart Insert 182 : 25 [24] Set: 24 | 1

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Databases x

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- dlithe - rewansole
 - Databases
 - Security
 - Logins
 - Administrator
 - Sessions

Script-1 x

```

(2, 'Mouse', '2022-08-13'),
(3, 'Monitor', '2022-06-23'),
(4, 'Mousepad', '2022-08-17'),
(5, 'Printer', '2022-07-16'),
(6, 'Mouse', '2022-07-26');

ALTER TABLE ANS_orders ADD customer_id int;
UPDATE ANS_orders SET customer_id=10;
UPDATE ANS_orders SET customer_id=20 WHERE ORDER_ID=3;
ALTER TABLE ANS_orders DROP COLUMN customer_id
DELETE FROM ANS_orders WHERE ORDER_ID=1;
DELETE from ANS_orders ;
SELECT * FROM ANS_orders
DROP TABLE ANS_orders ;

```

Statistics 1 x

Name	Value
Updated Rows	0
Query	DROP TABLE ANS_orders
Finish time	Thu Sep 08 17:23:29 IST 2022

Save Cancel Script 200 0 row(s) updated - 97ms, on 2022-09-08 at 17:23:29

IST en Writable Smart Insert 186 : 24 [23] Set: 23 | 1

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Databases x

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 - Databases
 - Security
 - Logins
 - Administrator
 - Sessions

Script-1 x

```

(6, 'Mouse', '2022-07-26');

ALTER TABLE ANS_orders ADD customer_id int;
UPDATE ANS_orders SET customer_id=10;
UPDATE ANS_orders SET customer_id=20 WHERE ORDER_ID=3;
ALTER TABLE ANS_orders DROP COLUMN customer_id
DELETE FROM ANS_orders WHERE ORDER_ID=1;
DELETE from ANS_orders ;
SELECT * FROM ANS_orders
DROP TABLE ANS_orders ;
EXEC SP_RENAME 'ANS_orders.order_id', 'neworder_id', 'COLUMN';

```

Results 1 x

SELECT * FROM ANS_orders Enter a SQL expression to filter results (use Ctrl+Space)

	neworder_id	order_name	order_date
1	1	Keyboard	2022-06-22
2	2	Mouse	2022-08-13
3	3	Monitor	2022-06-23
4	4	Mousepad	2022-08-17
5	5	Printer	2022-07-16
6	6	Mouse	2022-07-26

Save Cancel Script 200 6 Rows: 1 6 row(s) fetched - 300ms, on 2022-09-08 at 17:52:15

IST en Writable Smart Insert 189 : 1 [63] Set: 63 | 1

75°F Cloudy 5:52 PM 9/8/2022