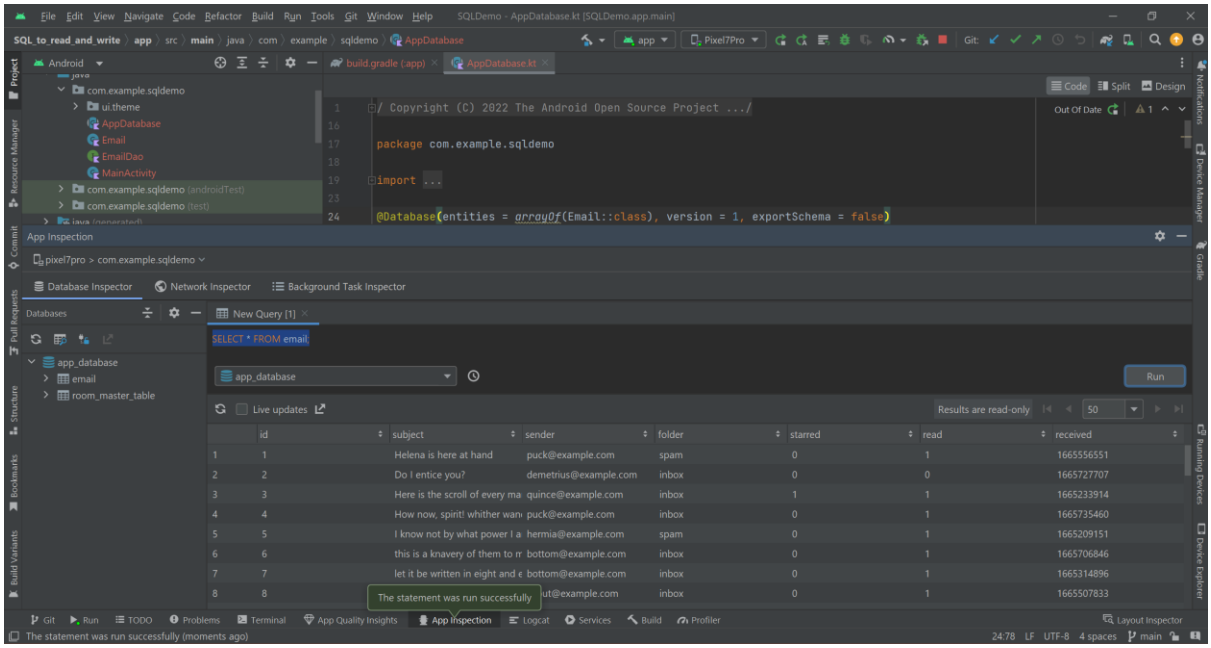
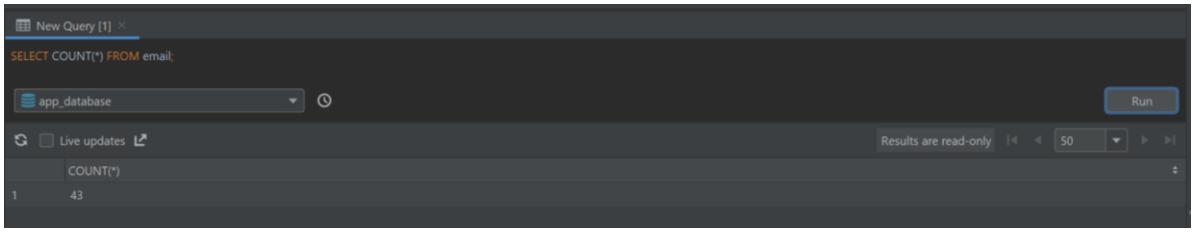
Read data with a SELECT statement

SELECT * FROM email;

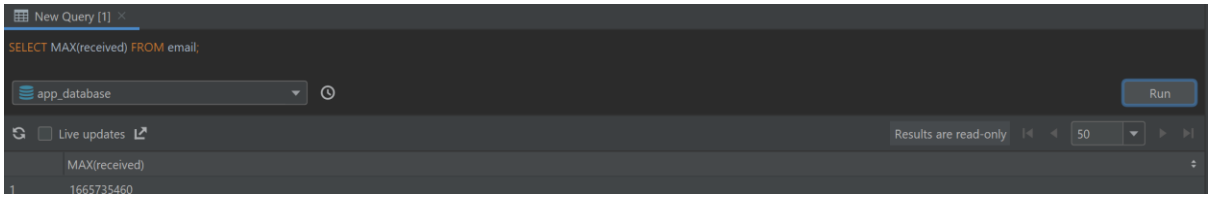


Use SELECT statements with aggregate functions and distinct values

SELECT COUNT(*) FROM email;



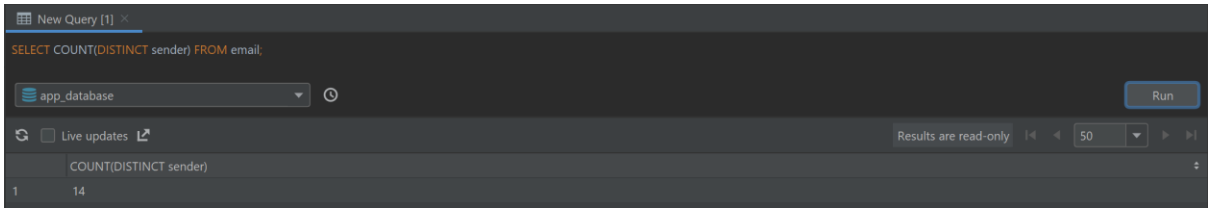
SELECT MAX(received) FROM email;



SELECT sender FROM email;

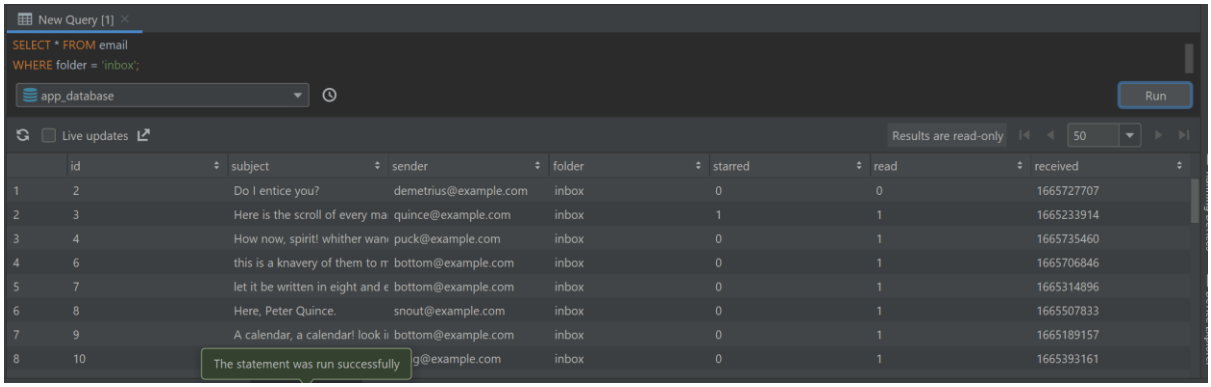
SELECT DISTINCT sender FROM email;

SELECT COUNT(DISTINCT sender) FROM email;

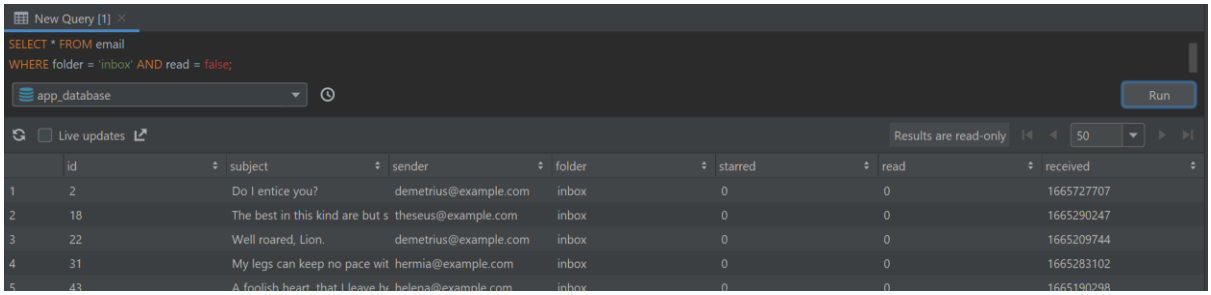


Filter queries with a WHERE clause

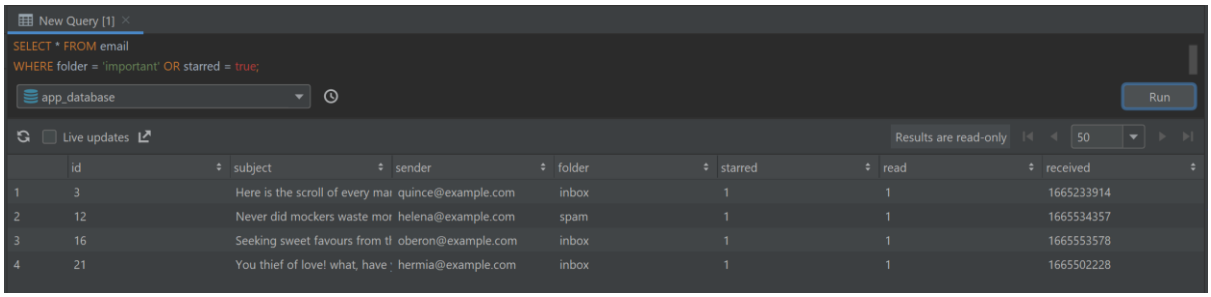
SELECT * FROM email WHERE folder = 'inbox';



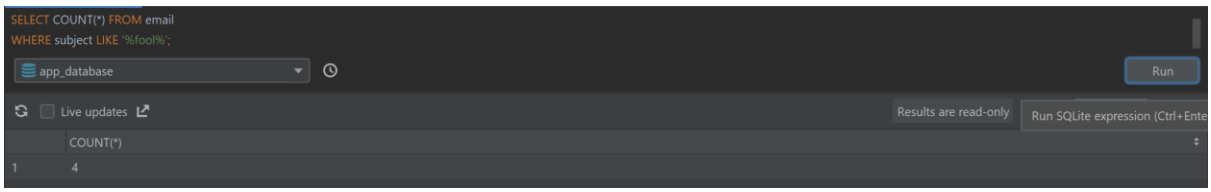
SELECT * FROM email WHERE folder = 'inbox' AND read = false;



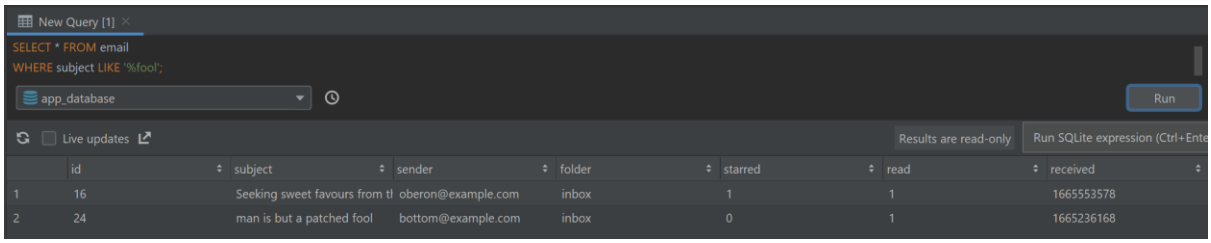
SELECT * FROM email WHERE folder = 'important' OR starred = true;



SELECT COUNT(*) FROM email WHERE subject LIKE '%fool%';



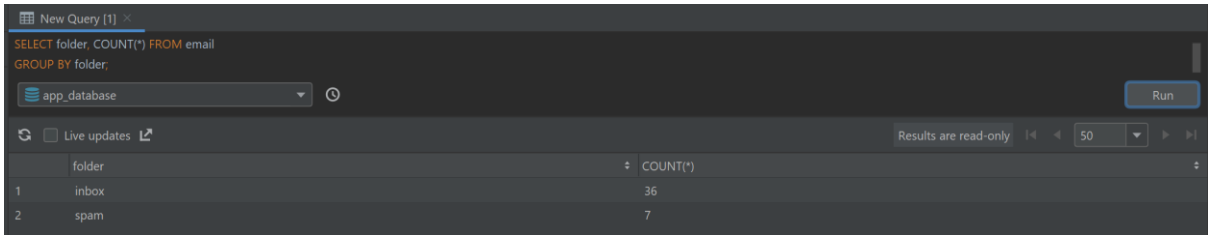
SELECT * FROM email WHERE subject LIKE '%fool';



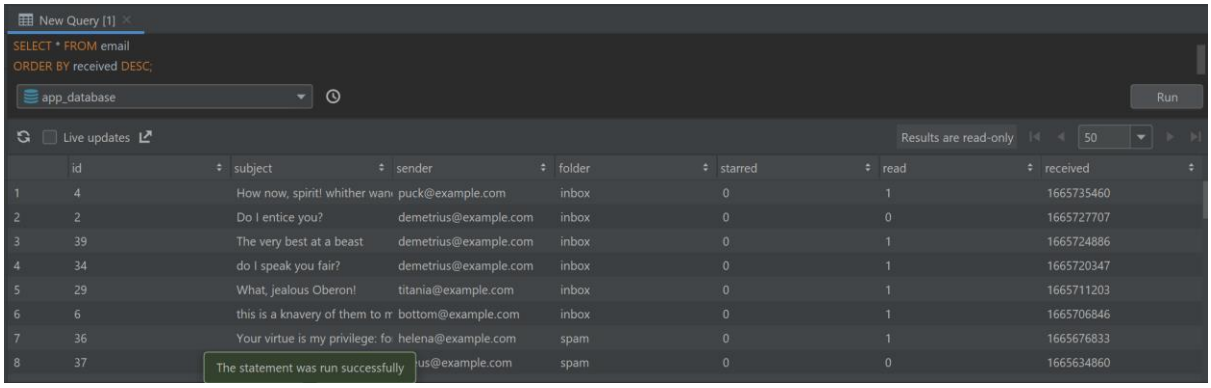
SELECT DISTINCT sender FROM email WHERE sender LIKE 'h%';

Group, order, and limit results

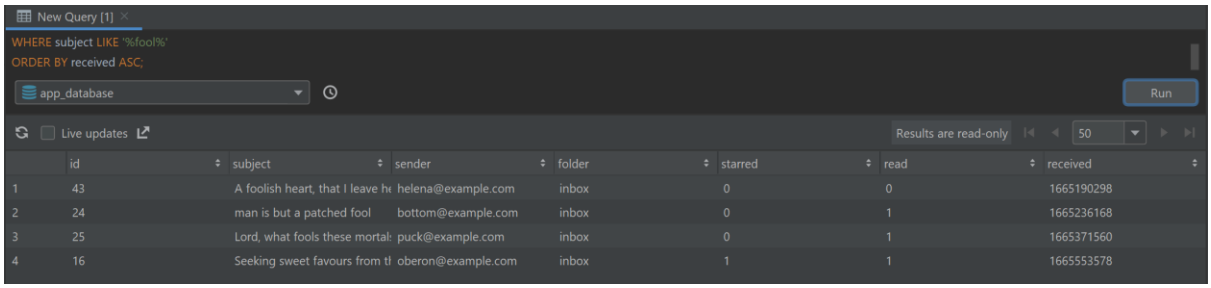
SELECT folder, COUNT(*) FROM email GROUP BY folder;



SELECT * FROM email ORDER BY received DESC;

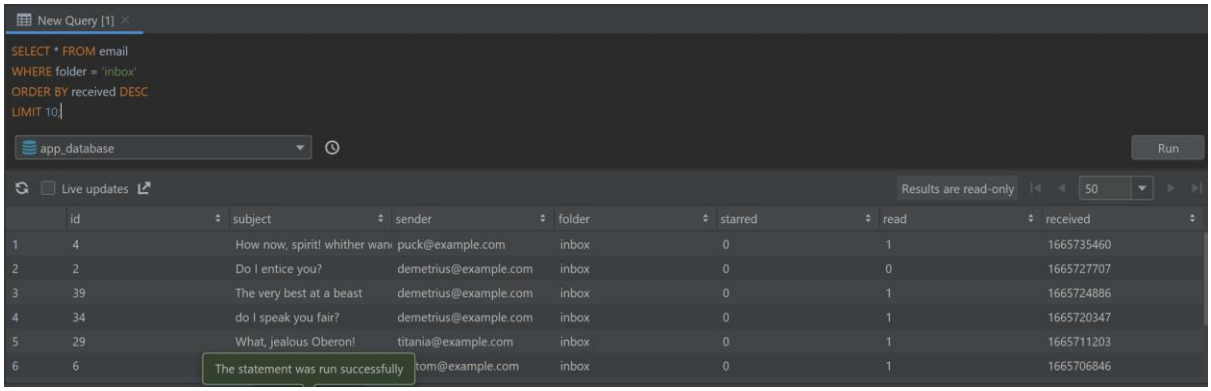


SELECT * FROM email WHERE subject LIKE '%fool%' ORDER BY received ASC;

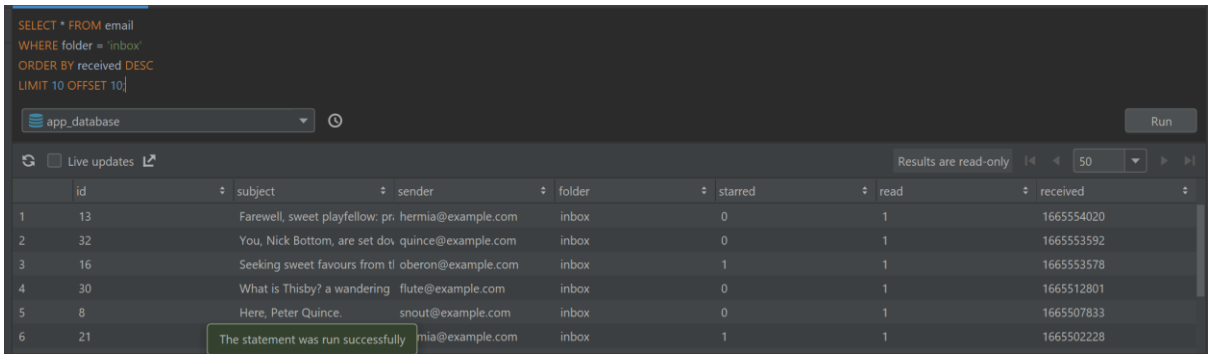


	id	subject	sender	folder	starred	read	received
1	43	A foolish heart, that I leave h	helena@example.com	inbox	0	0	1665190298
2	24	man is but a patched fool	bottom@example.com	inbox	0	1	1665236168
3	25	Lord, what fools these mortal	puck@example.com	inbox	0	1	1665371560
4	16	Seeking sweet favours from t	oberon@example.com	inbox	1	1	1665553578

SELECT * FROM email WHERE folder = 'inbox' ORDER BY received DESC LIMIT 10;

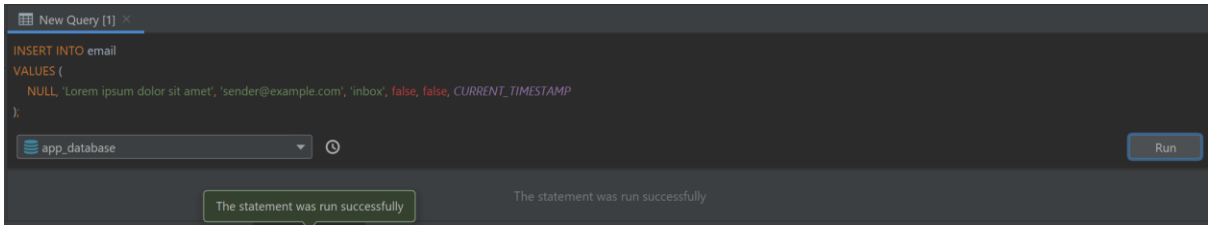


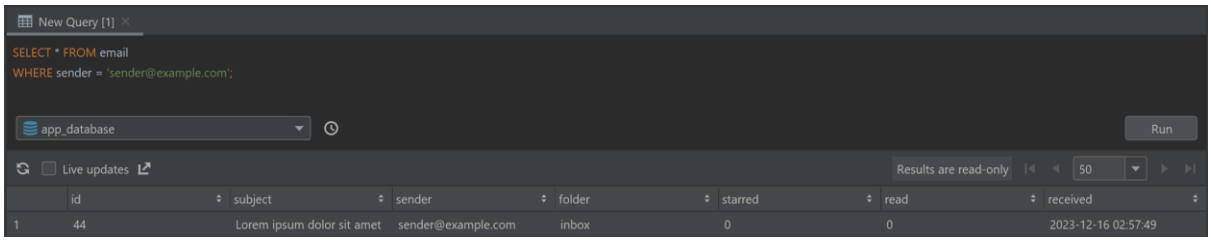
	id	subject	sender	folder	starred	read	received
1	4	How now, spirit! whither wan	puck@example.com	inbox	0	1	1665735460
2	2	Do I entice you?	demetrius@example.com	inbox	0	0	1665727707
3	39	The very best at a beast	demetrius@example.com	inbox	0	1	1665724886
4	34	do I speak you fair?	demetrius@example.com	inbox	0	1	1665720347
5	29	What, jealous Oberon!	titania@example.com	inbox	0	1	1665711203
6	6		tom@example.com	inbox	0	1	1665706846

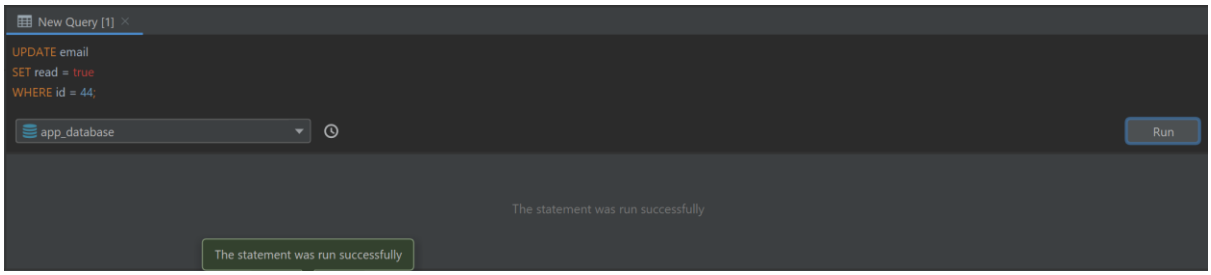


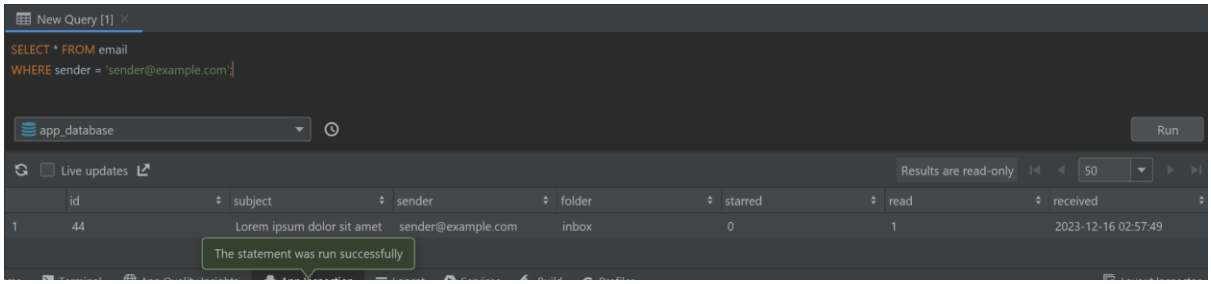
	id	subject	sender	folder	starred	read	received
1	13	Farewell, sweet playfellow: pr	hermia@example.com	inbox	0	1	1665554020
2	32	You, Nick Bottom, are set do	quince@example.com	inbox	0	1	1665553592
3	16	Seeking sweet favours from t	oberon@example.com	inbox	1	1	1665553578
4	30	What is Thisby? a wandering	flute@example.com	inbox	0	1	1665512801
5	8	Here, Peter Quince.	snout@example.com	inbox	0	1	1665507833
6	21		mia@example.com	inbox	1	1	1665502228

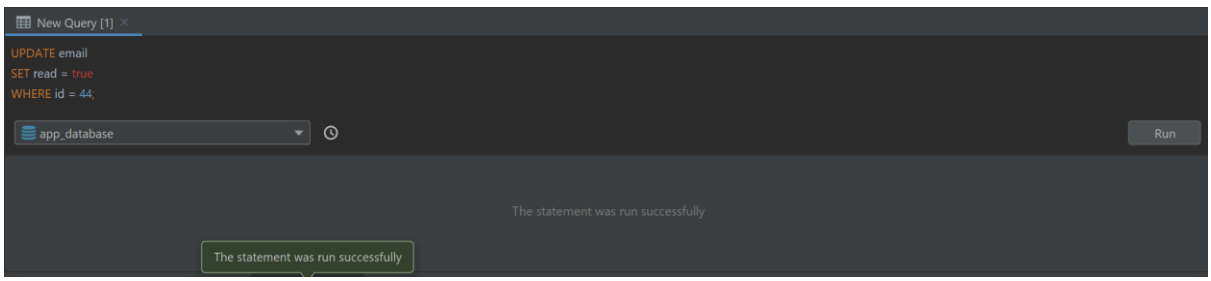
Insert, update, and delete data in a database

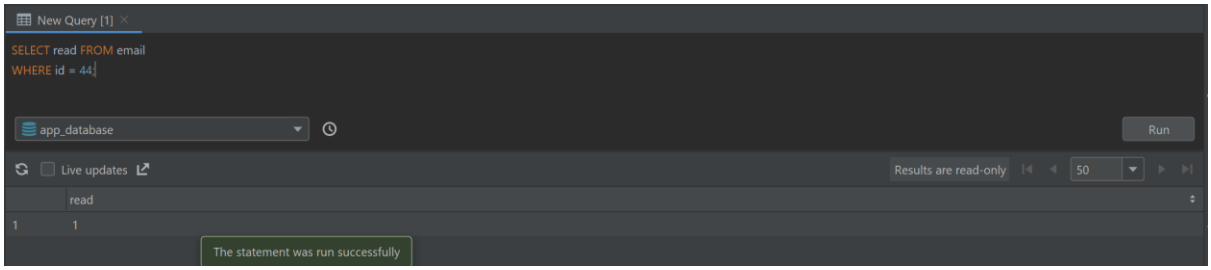


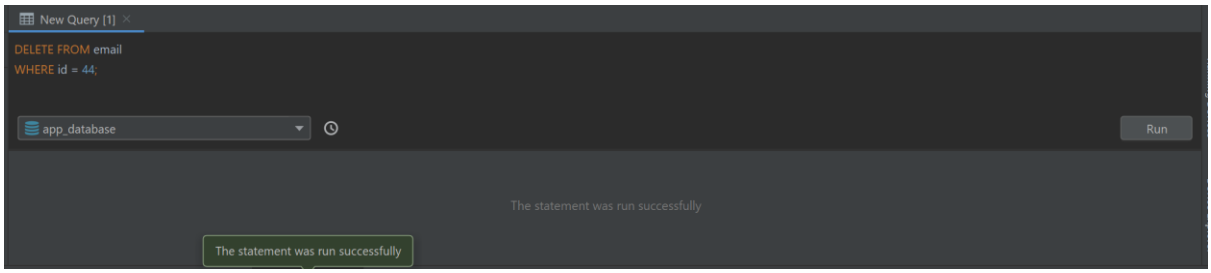


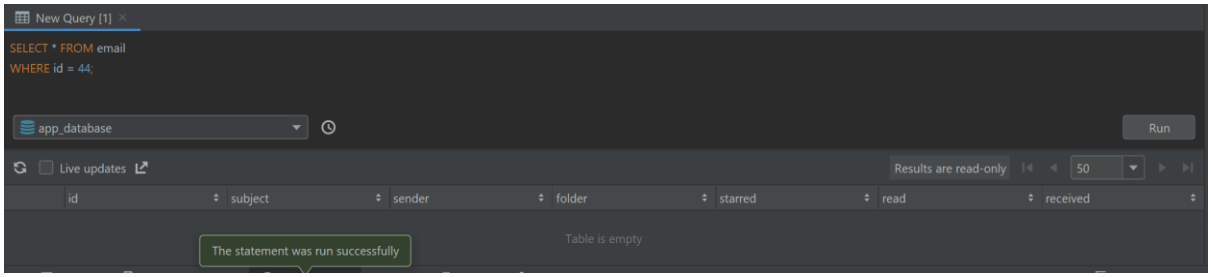







New Query [1]
SELECT read FROM email
WHERE id = 44;
app_database
Run
Live updates
Results are read-only
50
read
1
1
The statement was run successfully


New Query [1]
DELETE FROM email
WHERE id = 44;
app_database
Run
The statement was run successfully
The statement was run successfully


New Query [1]
SELECT * FROM email
WHERE id = 44;
app_database
Run
Live updates
Results are read-only
50
id
subject
sender
folder
starred
read
received
Table is empty
The statement was run successfully