

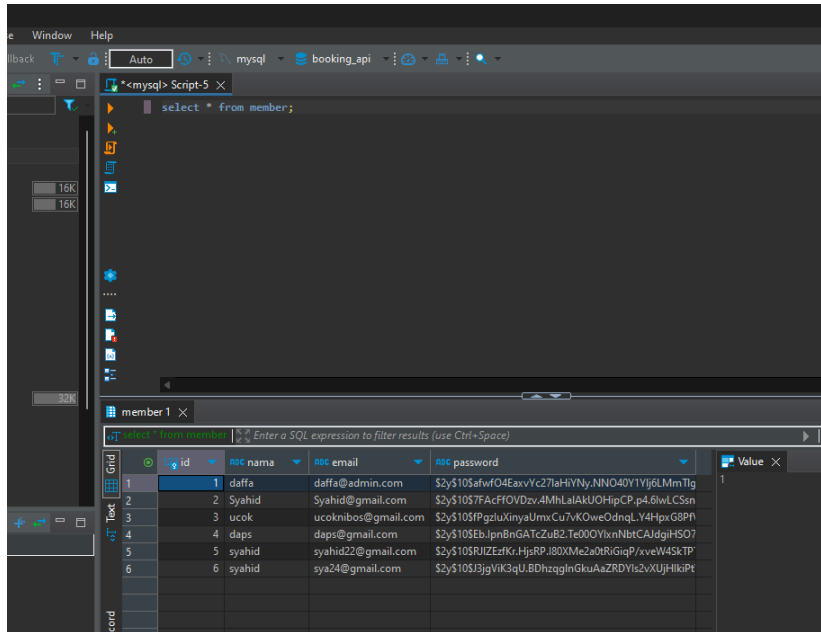
Nama : Muhammad Syahid Al Fajri

Npm : 1214008

Screenshot Source code dan hasil pengujian

1. Basic DML

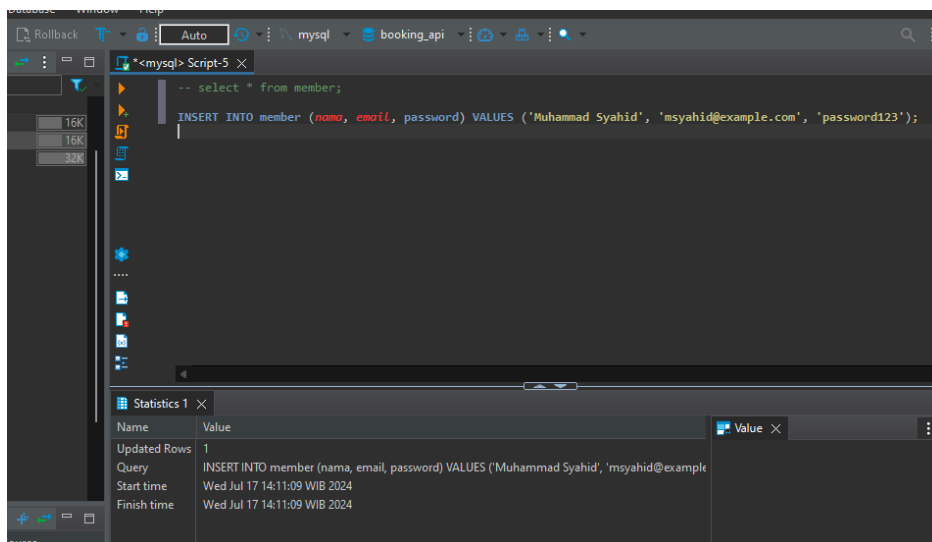
- Query Select - digunakan untuk mengambil data dari database.



The screenshot shows a MySQL IDE with a script editor containing the query `select * from member;`. Below the editor, the results are displayed in a table with columns: id, nama, email, and password. The results show 6 rows of data.

id	nama	email	password
1	daffa	daffa@admin.com	\$2y\$10\$afwO4EaxvYc27laHIYny.NNO40Y1Yj6LMmTlg
2	Syahid	Syahid@gmail.com	\$2y\$10\$7FAcF0VDzv4MhLaIAKUOHipCP.p4.6wLCSsn
3	ucok	ucoknibos@gmail.com	\$2y\$10\$FPgduXinyaUmxCu7vKOweOdnqLY4HpxG8Pf
4	daps	daps@gmail.com	\$2y\$10\$EbJpnBnGATCZuB2.Te00YlxnNbtCAJdgHtSO7
5	syahid	syahid22@gmail.com	\$2y\$10\$RUIZEEdfGr.HjpRP.180XM2a0tRiGiqP/xveW4SkTP
6	syahid	syahid24@gmail.com	\$2y\$10\$J3jgVik3qU.BDhzqInGkuAaZRDYIs2vXUjHkiPt

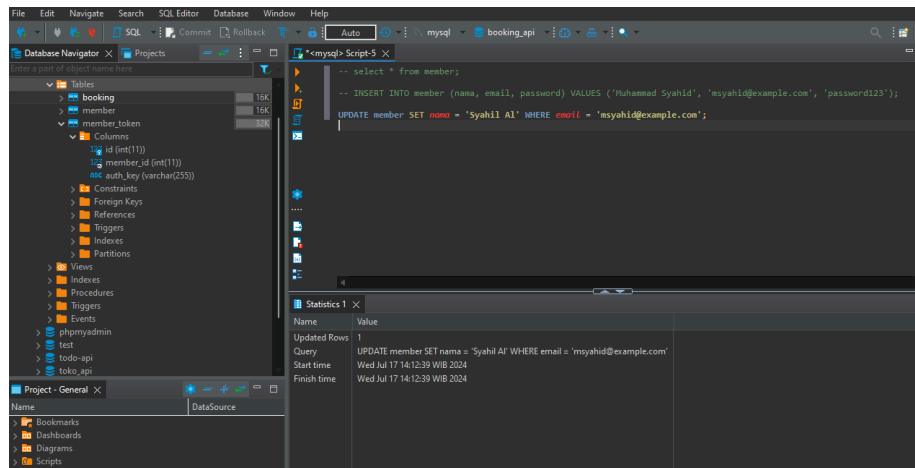
- Query Insert - digunakan untuk menambah data baru ke dalam tabel.



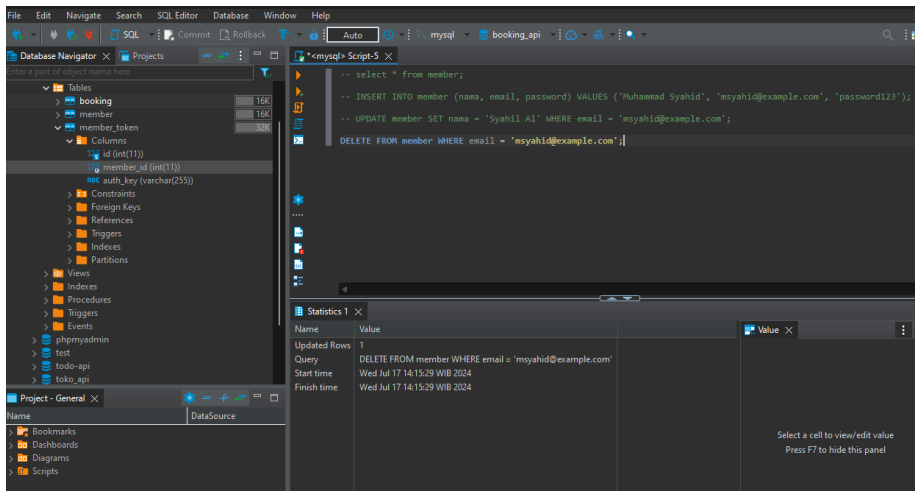
The screenshot shows a MySQL IDE with a script editor containing the query `INSERT INTO member (nama, email, password) VALUES ('Muhammad Syahid', 'msyahid@example.com', 'password123');`. Below the editor, the execution statistics are displayed in a table.

Name	Value
Updated Rows	1
Query	INSERT INTO member (nama, email, password) VALUES ('Muhammad Syahid', 'msyahid@example.com', 'password123');
Start time	Wed Jul 17 14:11:09 WIB 2024
Finish time	Wed Jul 17 14:11:09 WIB 2024

- Query Update - digunakan untuk mengubah data yang sudah ada.

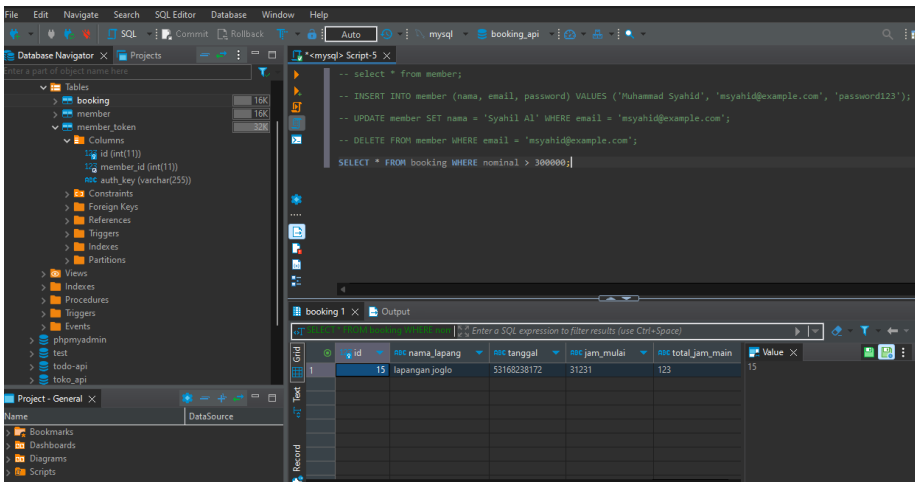


- Query Delete - digunakan untuk menghapus data

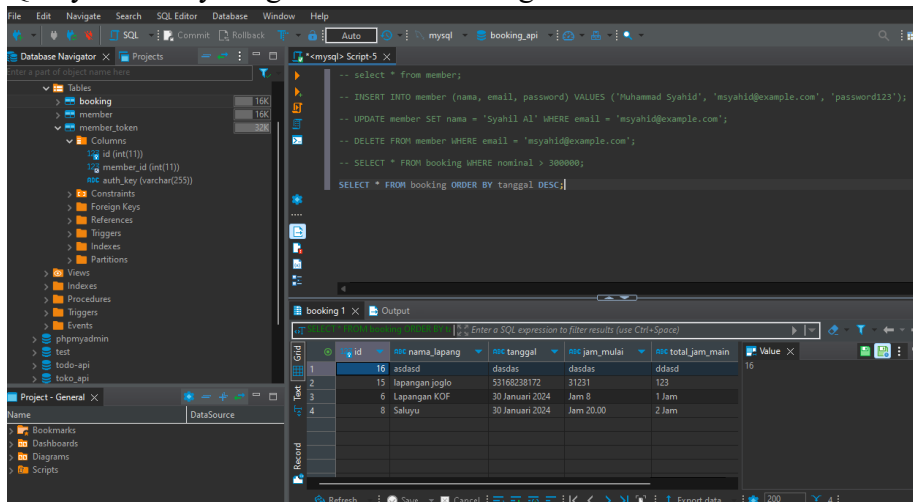


2. Manipulasi Satu Tabel

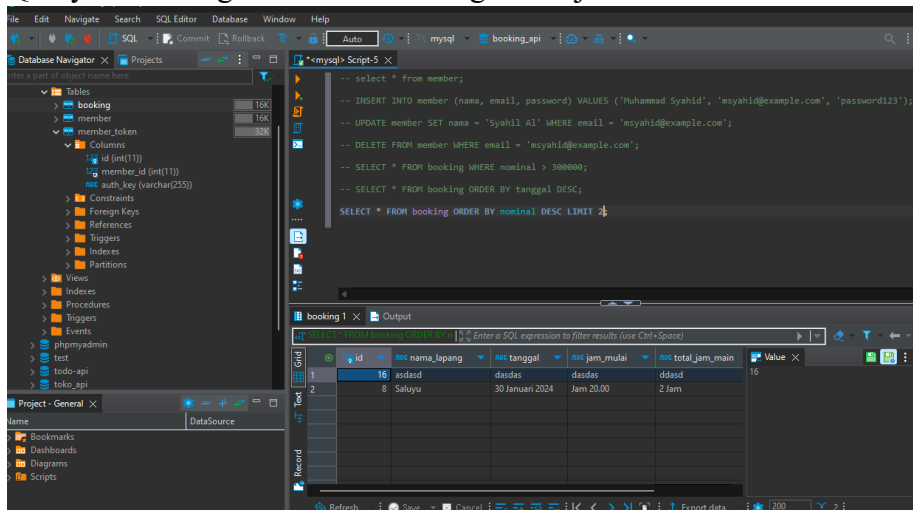
- Query Where - digunakan untuk memfilter data



- Query Order By - digunakan untuk mengurutkan data

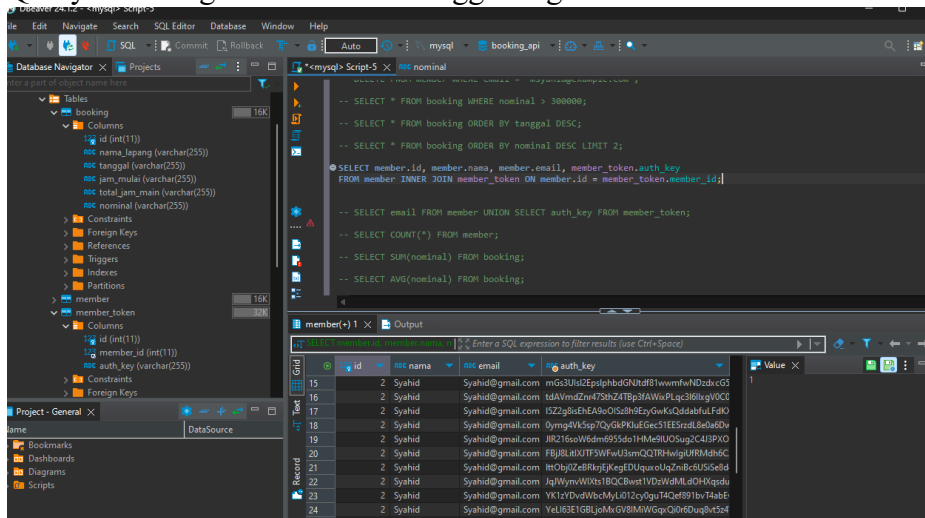


- Query Limit - digunakan untuk meng batasi jumlah data

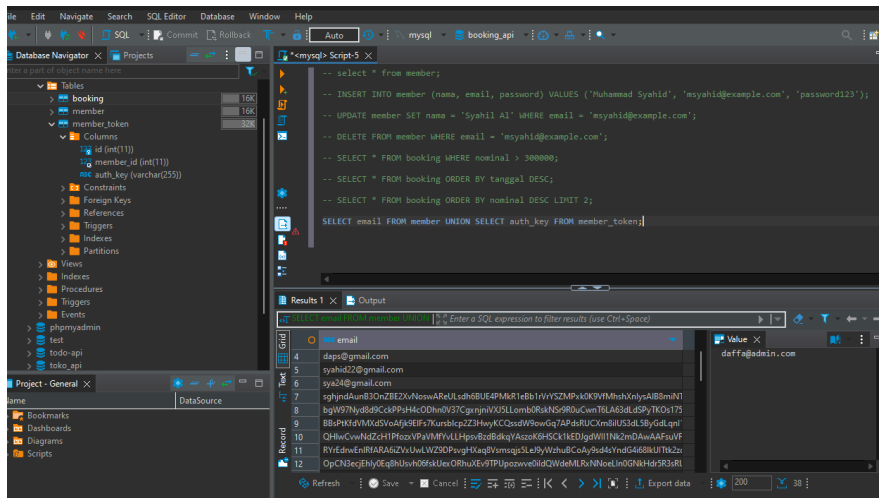


3. Manipulasi Dua atau Lebih Tabel

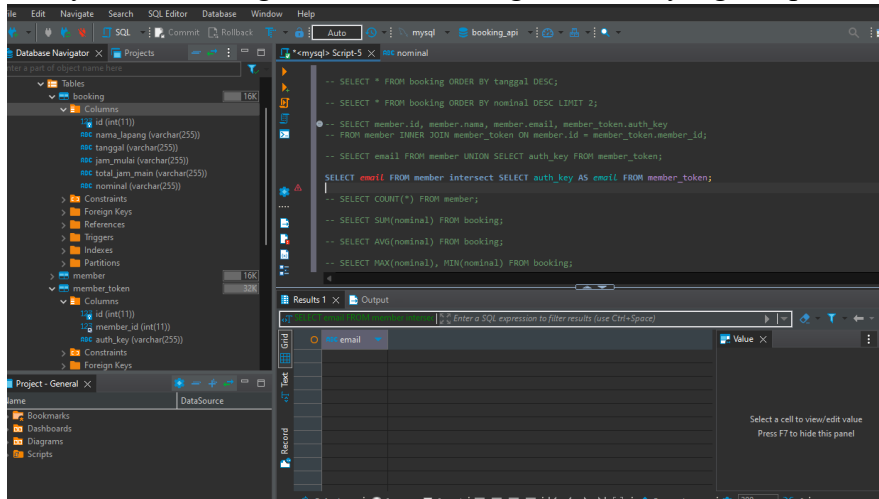
- Query Join - digunakan untuk menggabungkan data dari dua tabel



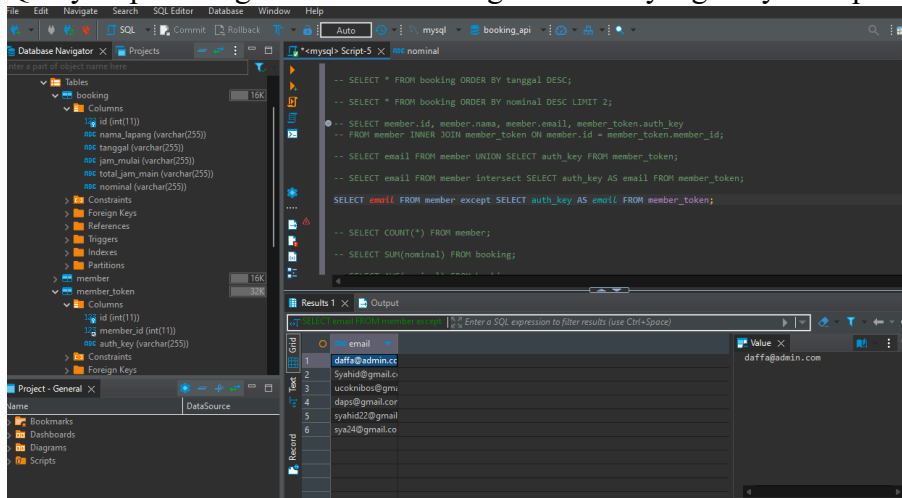
- Query Union - digunakan untuk menggabungkan hasil dari dua atau lebih perintah SELECT.



- Query Intersect - digunakan untuk mengambil data yang ada pada kedua tabel.

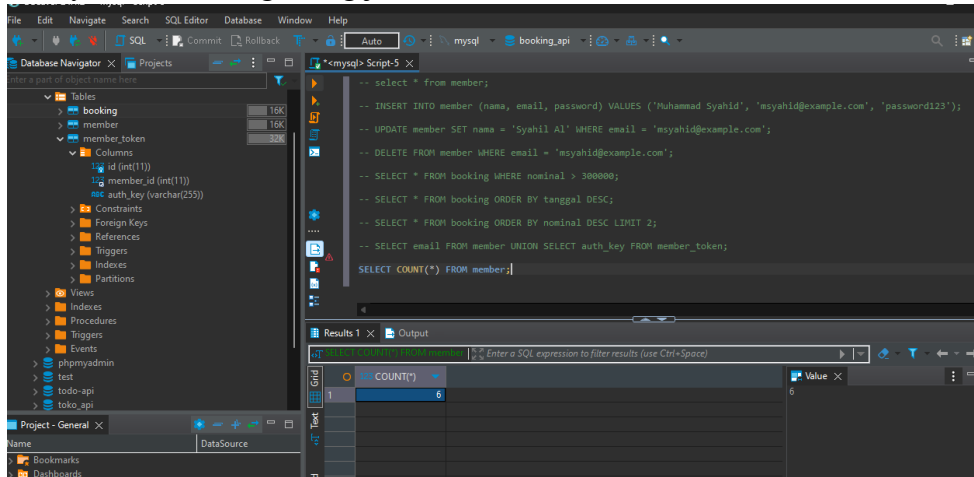


- Query Except - digunakan untuk mengambil data yang hanya ada pada tabel pertama.

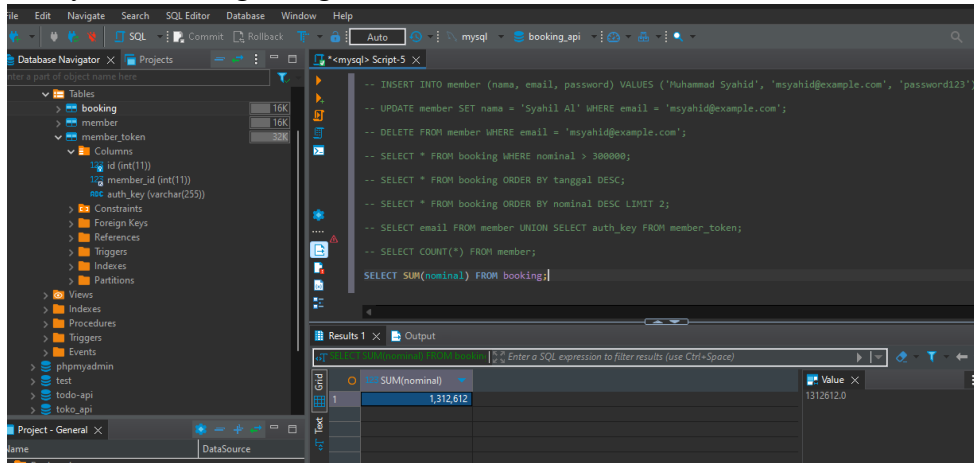


4. Fungsi Agregasi

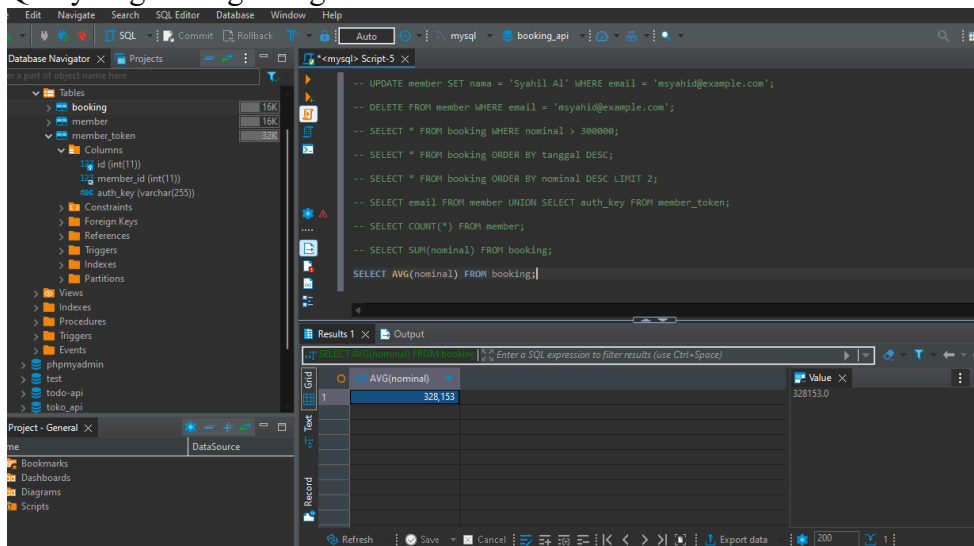
- Query Count – menghitung jumlah data



- Query Sum - menghitung total nilai



- Query Avg - menghitung rata-rata nilai



- Query Max dan Min – untuk mendapatkan nilai maximum dan minimum

The screenshot shows a MySQL IDE interface with a dark theme. On the left, the 'Database Navigator' pane displays a tree structure of the 'booking_api' database, including tables 'booking' and 'member', and their respective columns and constraints. The 'booking' table has columns: id (int(11)), nama_japang (varchar(255)), tanggal (varchar(255)), jam_mulai (varchar(255)), total_jam_main (varchar(255)), and nominal (varchar(255)). The 'member' table has columns: id (int(11)), member_id (int(11)), and auth_key (varchar(255)).

The central 'SQL Editor' pane contains the following SQL script:

```
-- SELECT * FROM booking WHERE nominal > 300000;  
-- SELECT * FROM booking ORDER BY tanggal DESC;  
-- SELECT * FROM booking ORDER BY nominal DESC LIMIT 2;  
-- SELECT email FROM member UNION SELECT auth_key FROM member_token;  
-- SELECT COUNT(*) FROM member;  
-- SELECT SUM(nominal) FROM booking;  
-- SELECT AVG(nominal) FROM booking;  
SELECT MAX(nominal), MIN(nominal) FROM booking;
```

The 'Results' pane at the bottom shows the output of the last query in a grid format:

	MAX(nominal)	MIN(nominal)
1	500.000	100.000

The status bar at the bottom indicates '1 row(s) fetched - 0.001s, on 2024-07-17 at 14:31:33'.