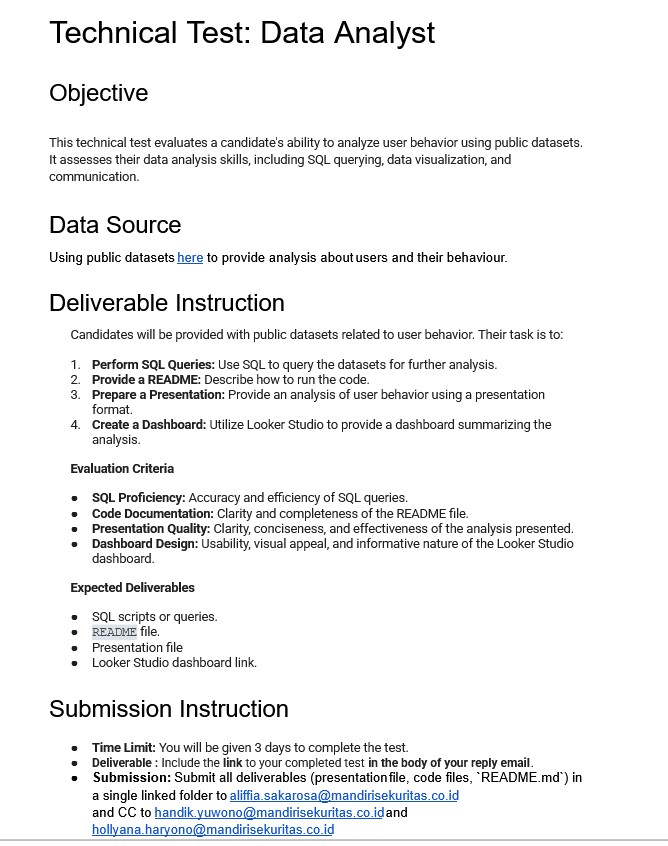
***Nama : Adrian Messakh Dwipayana***

# SOAL



# Data Source :

Table users\_data

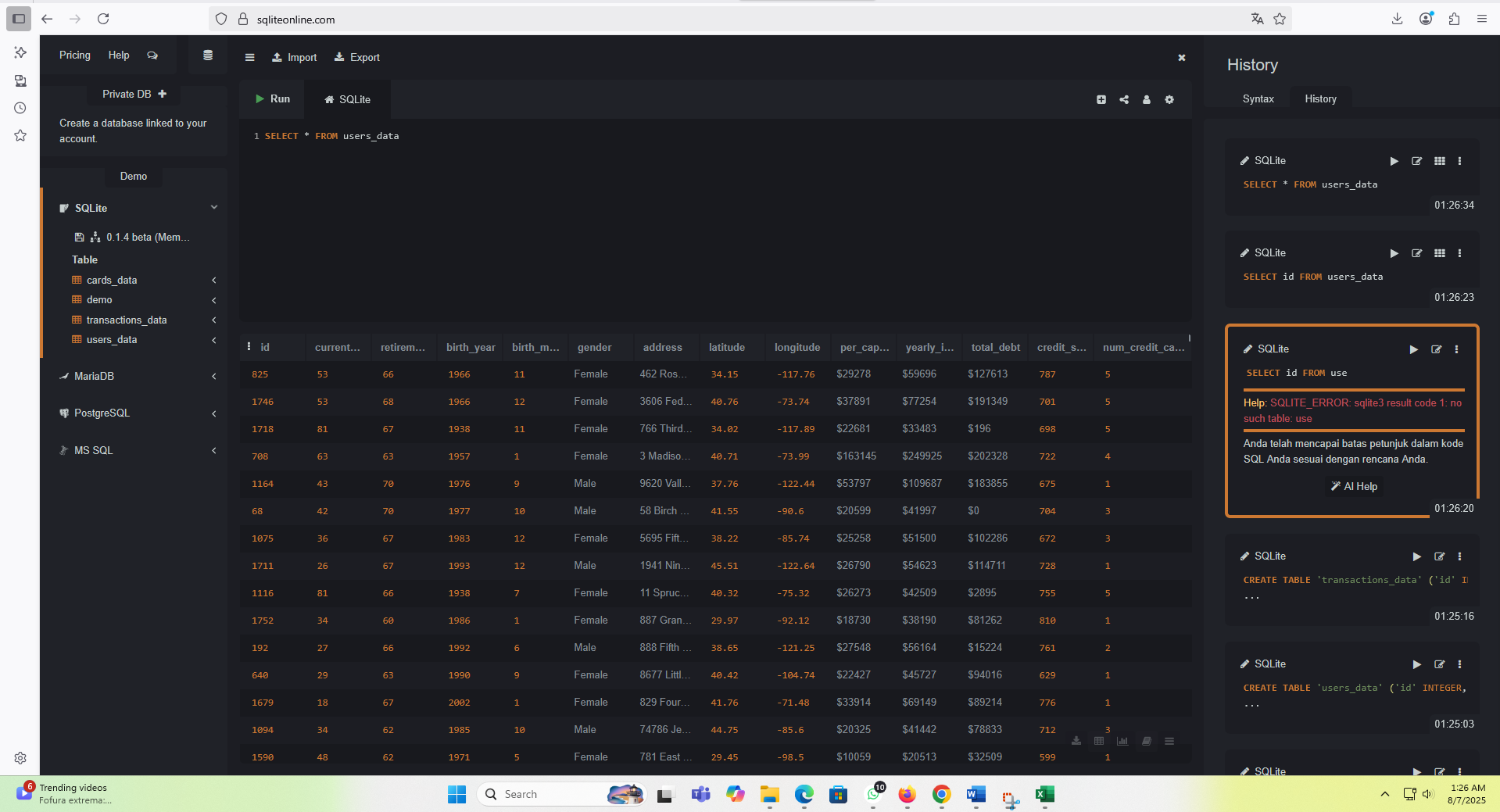


Table cards\_data

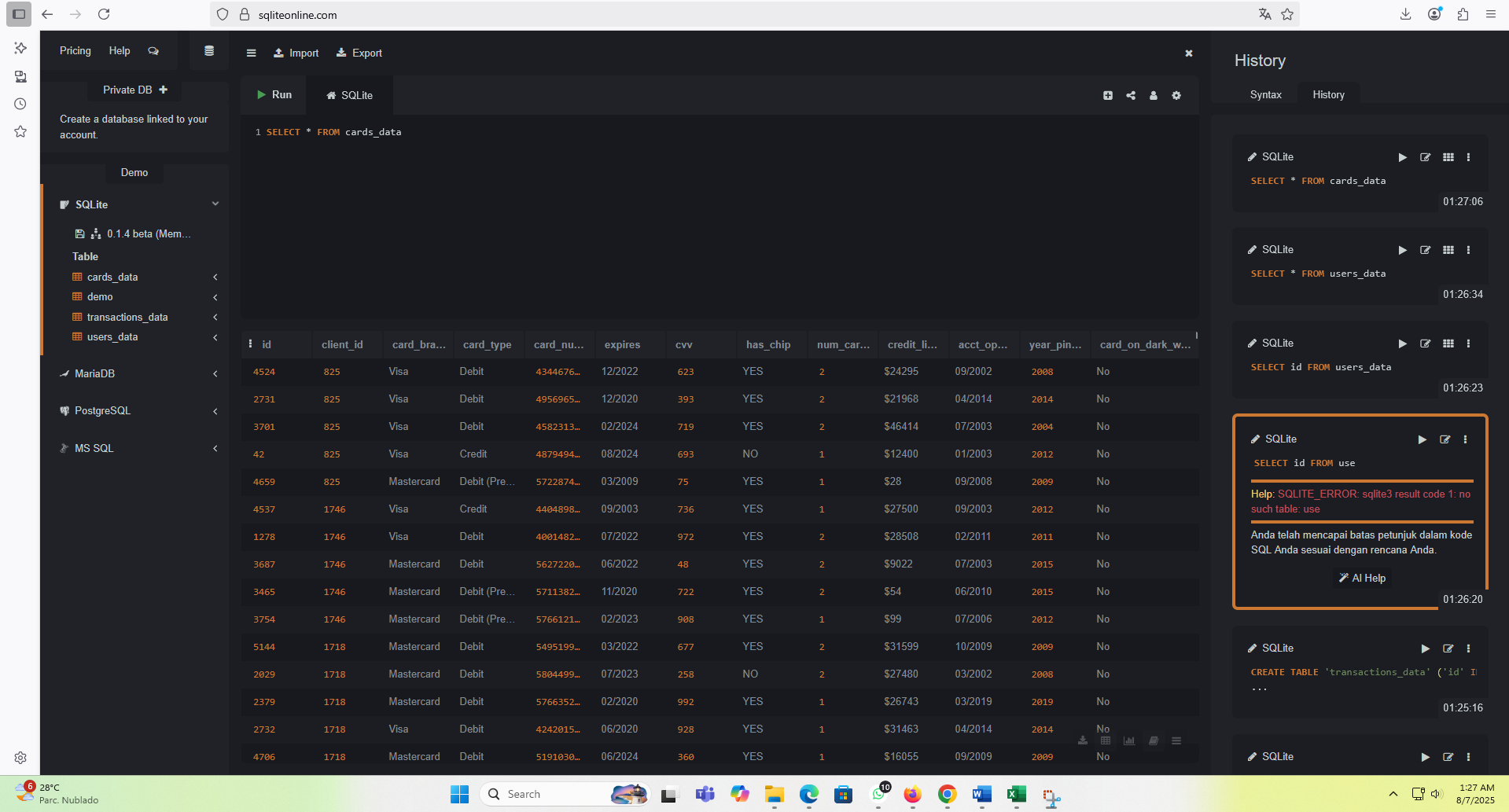
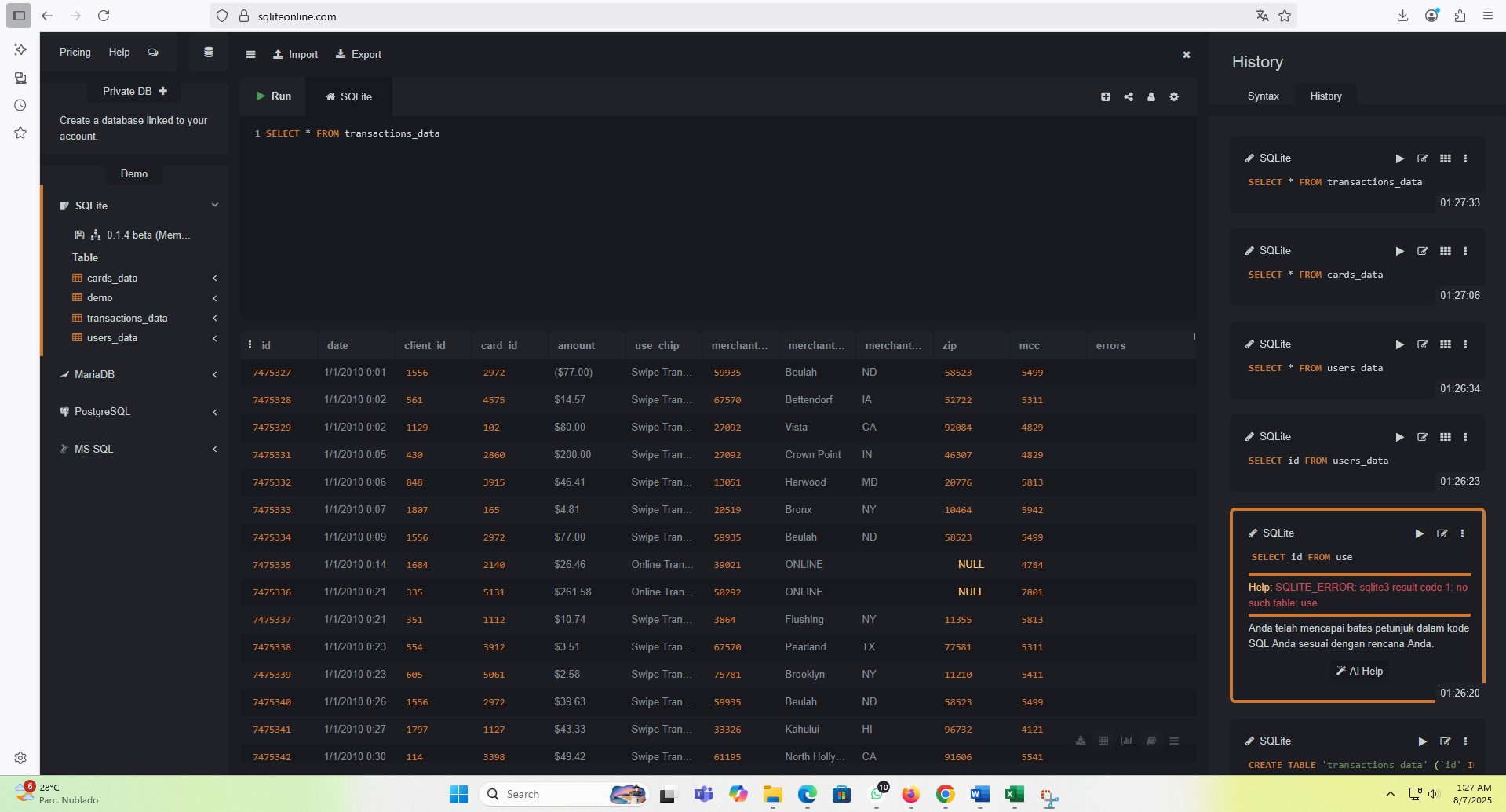


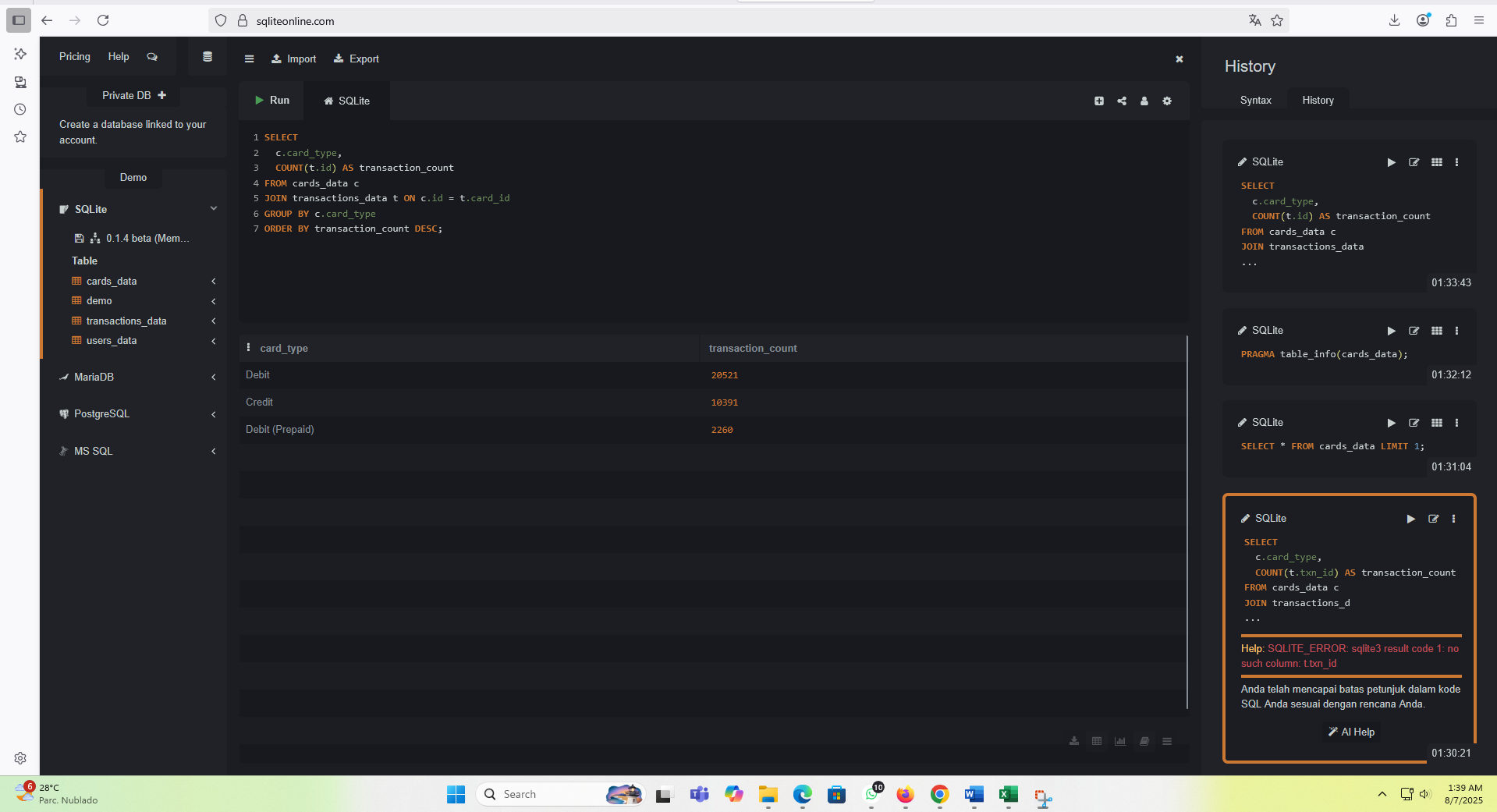
Table transaction\_data



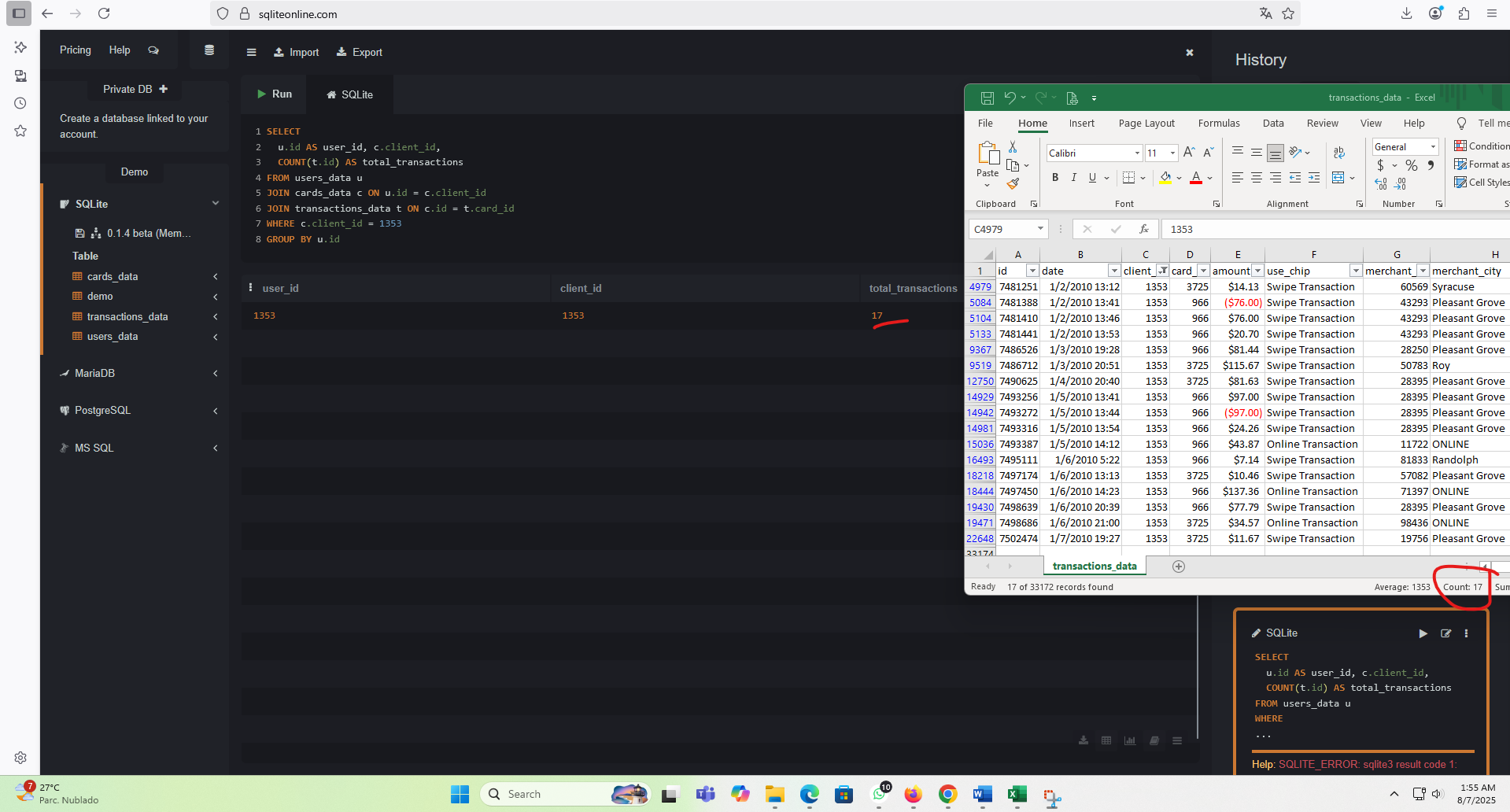
Pada table transaction\_data jumlah row nya saya potong, karena terlalu banyak sampai 100ribu row lebih untuk masuk di sqliteonline seperti nya dibatasi

# **Perform SQL Queries**

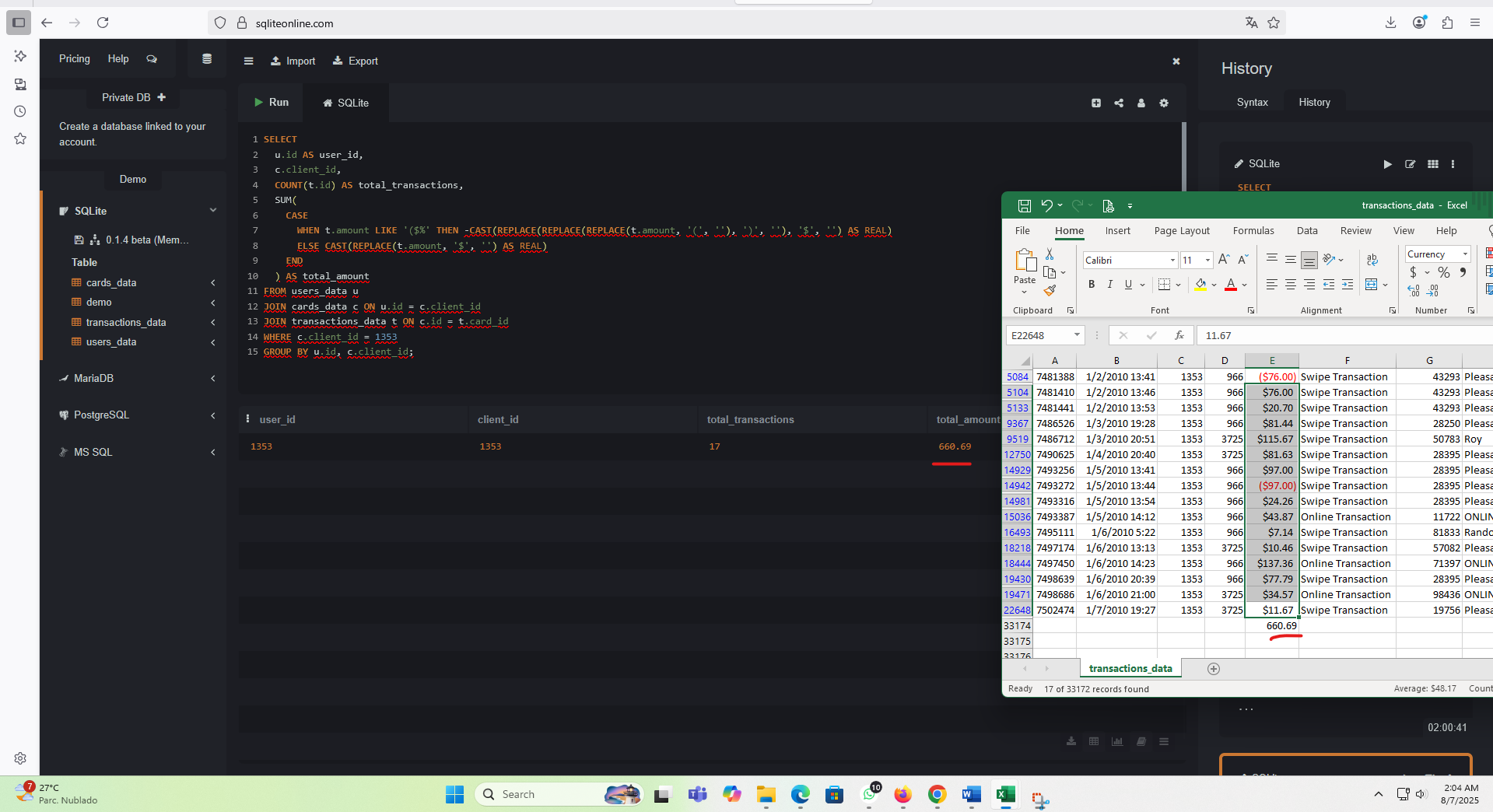
## Jumlah transaksi sesuai dengan Jenis Kartu :



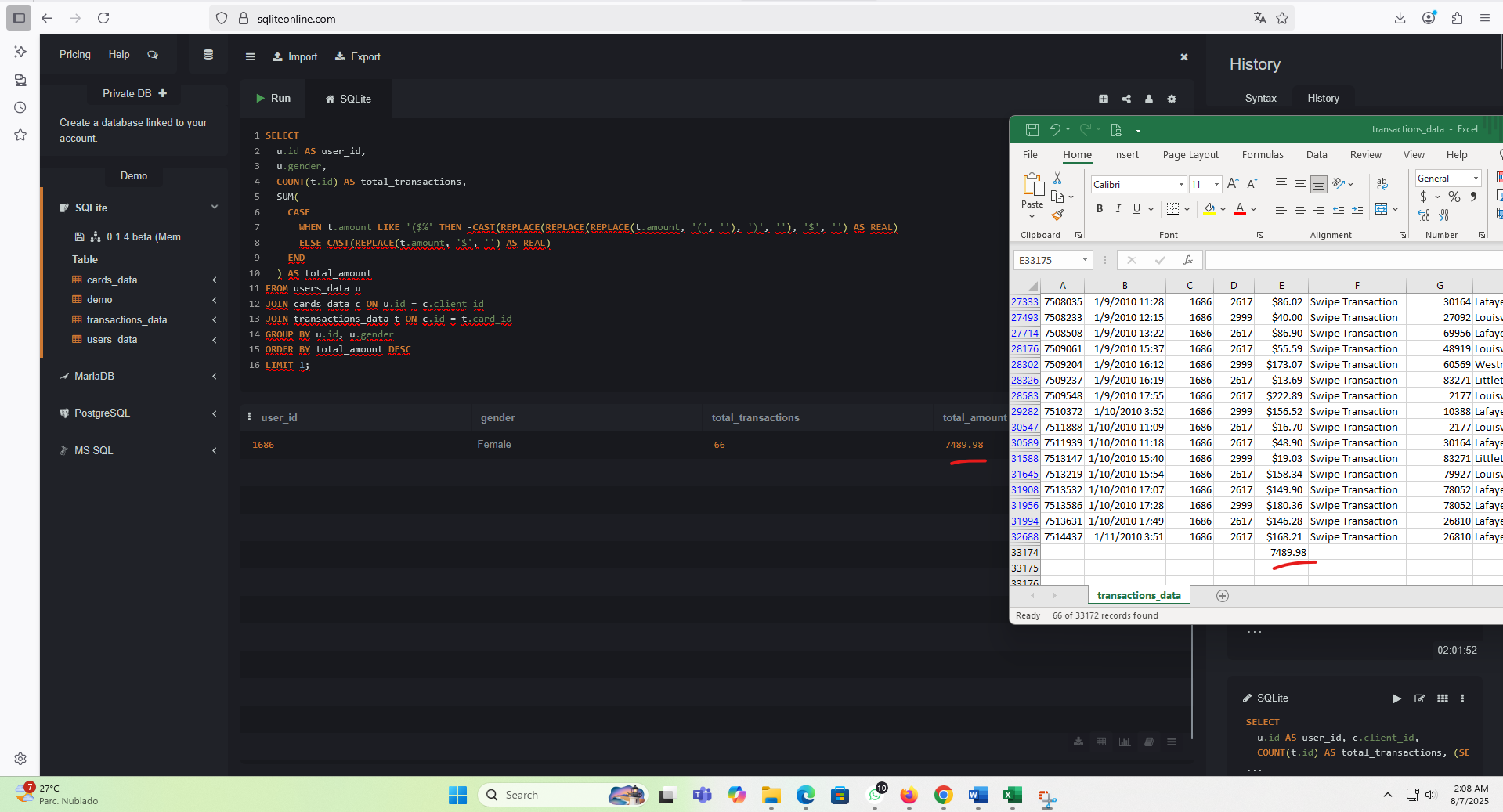
## Jumlah transaksi sesuai dengan client id tertentu (misal : 1353)



## Jumlah amount transaksi untuk client id 1353



## Client ID dengan jumlah amount terbanyak (menggunakan order by)



# **Provide a README**

1. Buka browser dan ketik <https://sqliteonline.com/>
2. Klik import



1. Klik Open, pilih file csv (users\_data.csv, card\_data.csv, transactions\_data.csv)

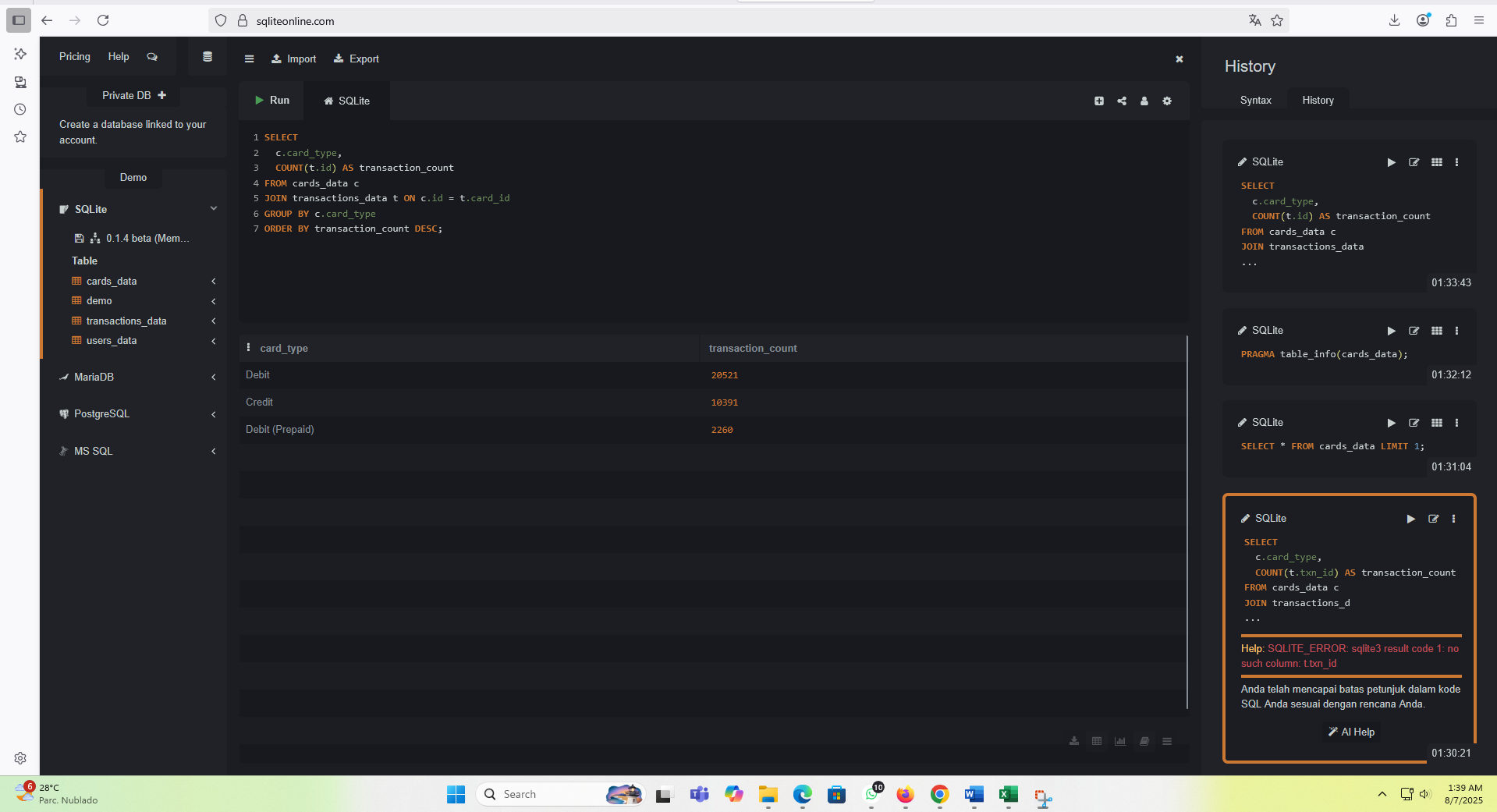


1. Pilih column name sebagai firstline



1. Jika sudah berhasil import table, coba lakukan query

## Jumlah transaksi sesuai dengan Jenis Kartu :



SELECT

c.card\_type,

COUNT(t.id) AS transaction\_count

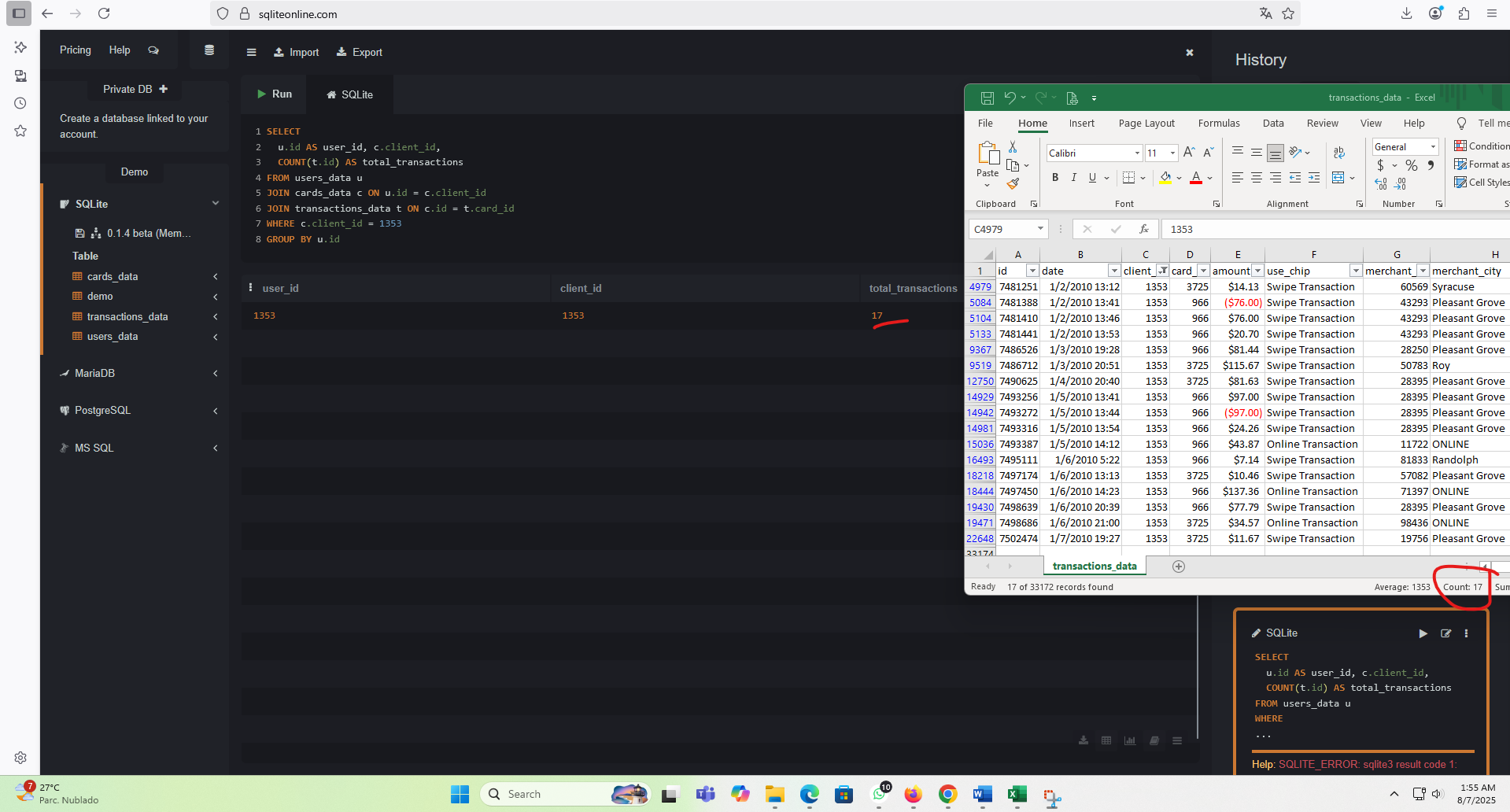
FROM cards\_data c

JOIN transactions\_data t ON c.id = t.card\_id

GROUP BY c.card\_type

ORDER BY transaction\_count DESC;

## Jumlah transaksi sesuai dengan client id tertentu (misal : 1353) :



SELECT

u.id AS user\_id,

c.client\_id,

COUNT(t.id) AS total\_transactions

FROM users\_data u

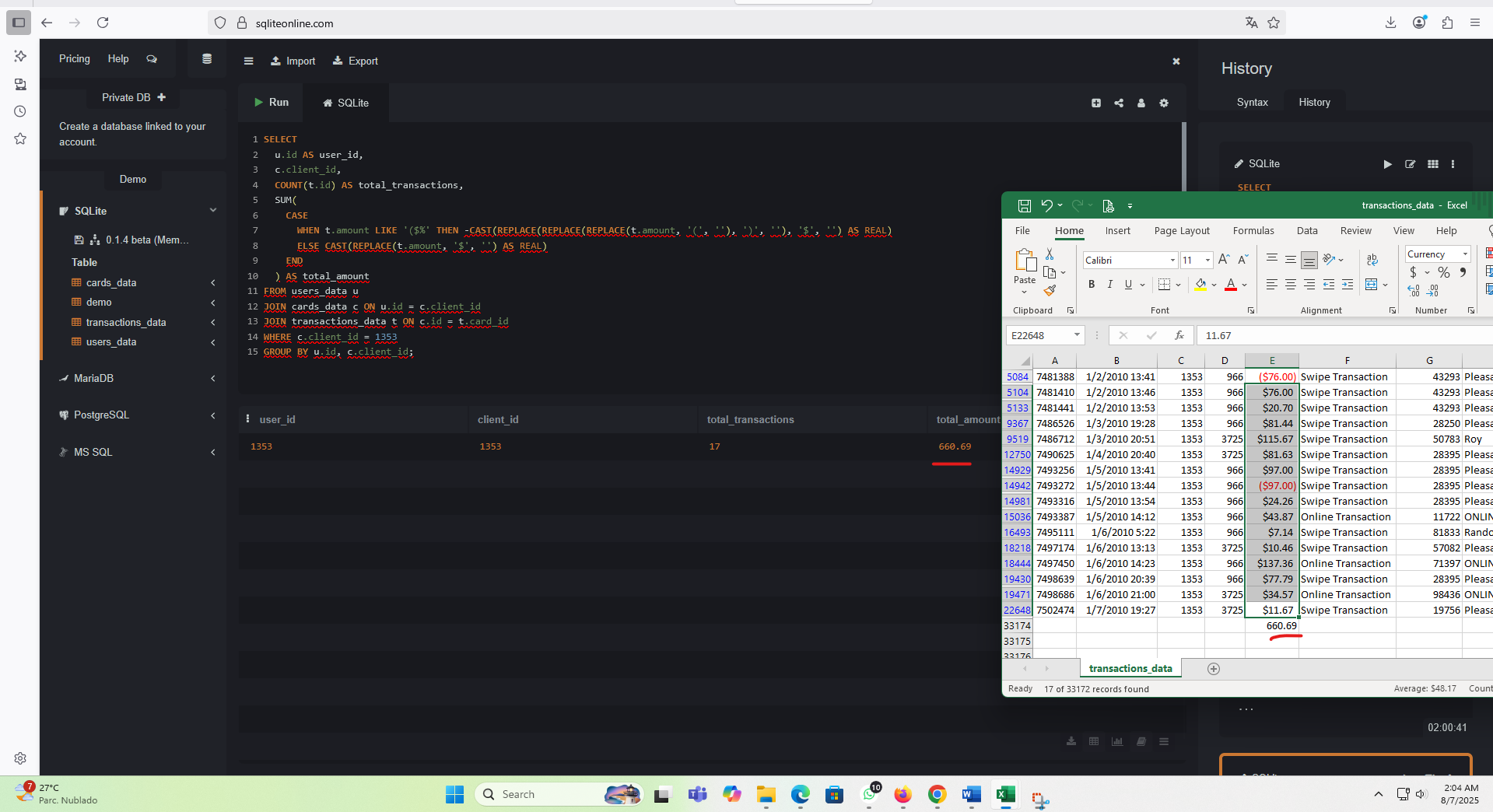
JOIN cards\_data c ON u.id = c.client\_id

JOIN transactions\_data t ON c.id = t.card\_id

WHERE c.client\_id = 1353

GROUP BY u.id;

## Jumlah amount transaksi untuk client id 1353 :



SELECT

u.id AS user\_id,

c.client\_id,

COUNT(t.id) AS total\_transactions,

SUM(

CASE

WHEN t.amount LIKE '($%' THEN -CAST(REPLACE(REPLACE(REPLACE(t.amount, '(', ''), ')', ''), '$', '') AS REAL)

ELSE CAST(REPLACE(t.amount, '$', '') AS REAL)

END

) AS total\_amount

FROM users\_data u

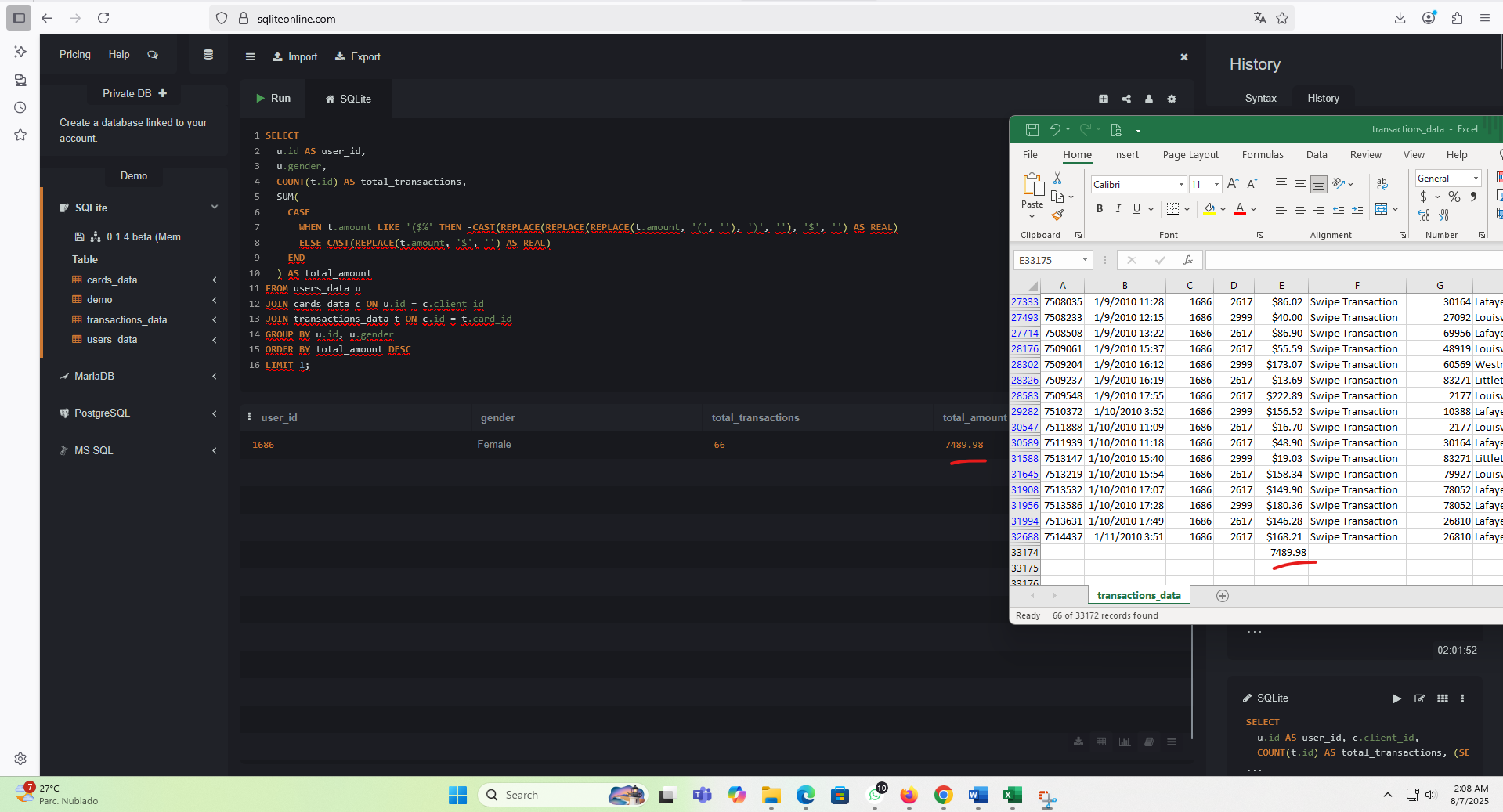
JOIN cards\_data c ON u.id = c.client\_id

JOIN transactions\_data t ON c.id = t.card\_id

WHERE c.client\_id = 1353

GROUP BY u.id, c.client\_id;

## Client ID dengan jumlah amount terbanyak (menggunakan order by) :



SELECT

u.id AS user\_id,

u.gender,

COUNT(t.id) AS total\_transactions,

SUM(

CASE

WHEN t.amount LIKE '($%' THEN -CAST(REPLACE(REPLACE(REPLACE(t.amount, '(', ''), ')', ''), '$', '') AS REAL)

ELSE CAST(REPLACE(t.amount, '$', '') AS REAL)

END

) AS total\_amount

FROM users\_data u

JOIN cards\_data c ON u.id = c.client\_id

JOIN transactions\_data t ON c.id = t.card\_id

GROUP BY u.id, u.gender

ORDER BY total\_amount DESC

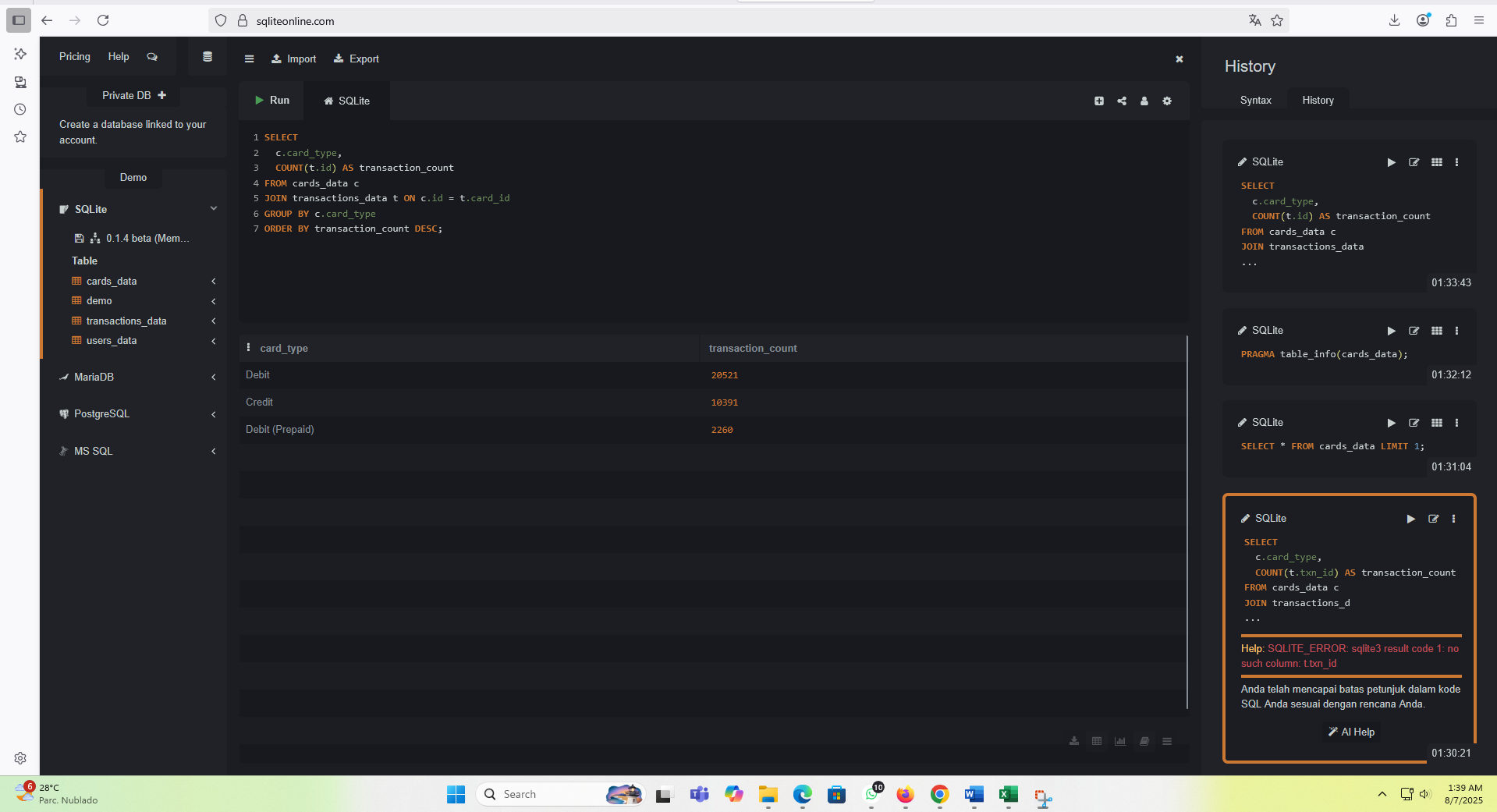
LIMIT 1;

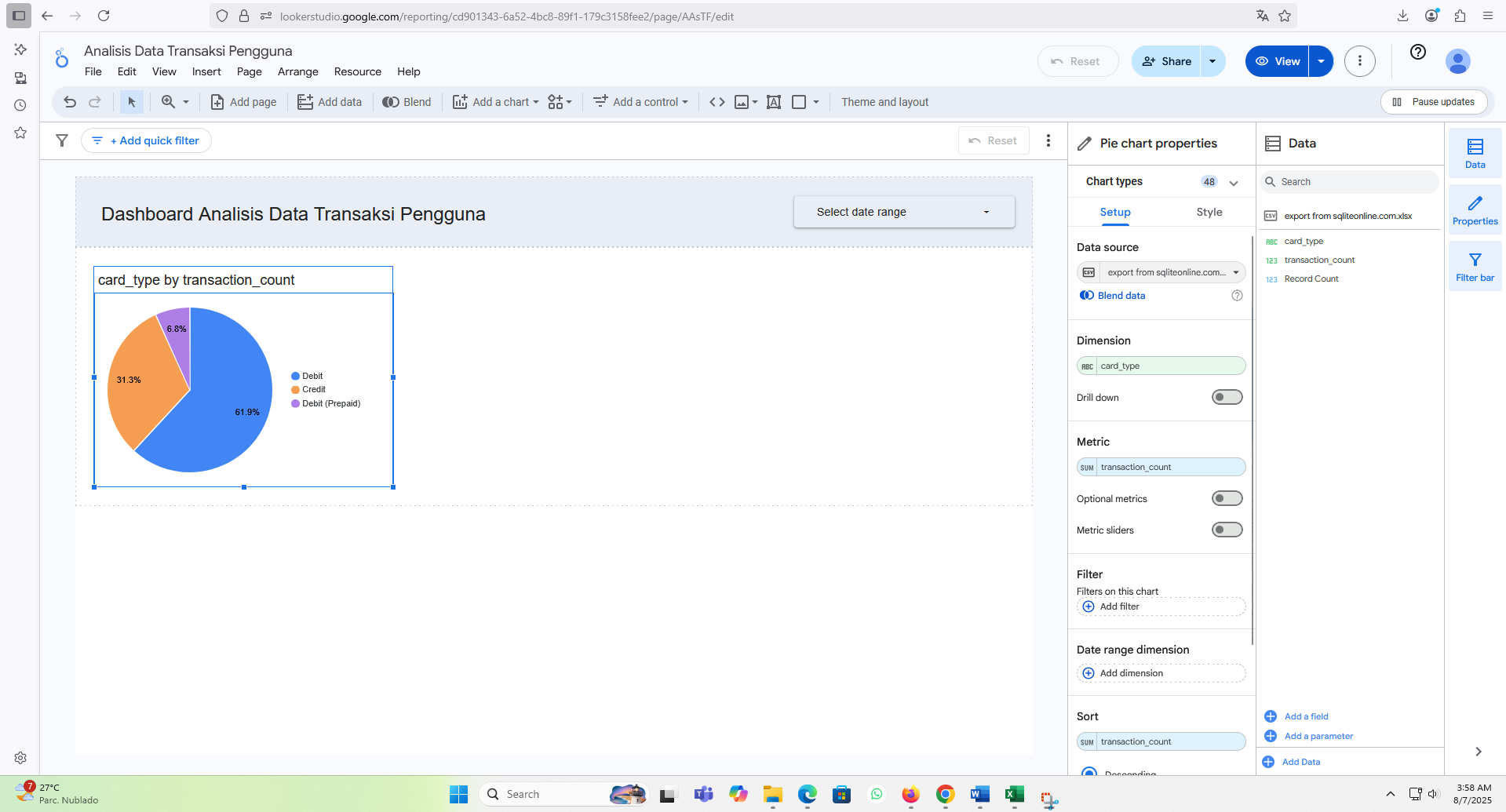
# **Prepare a Presentation**

Ada di dokumen terpisah (PowerPoint)

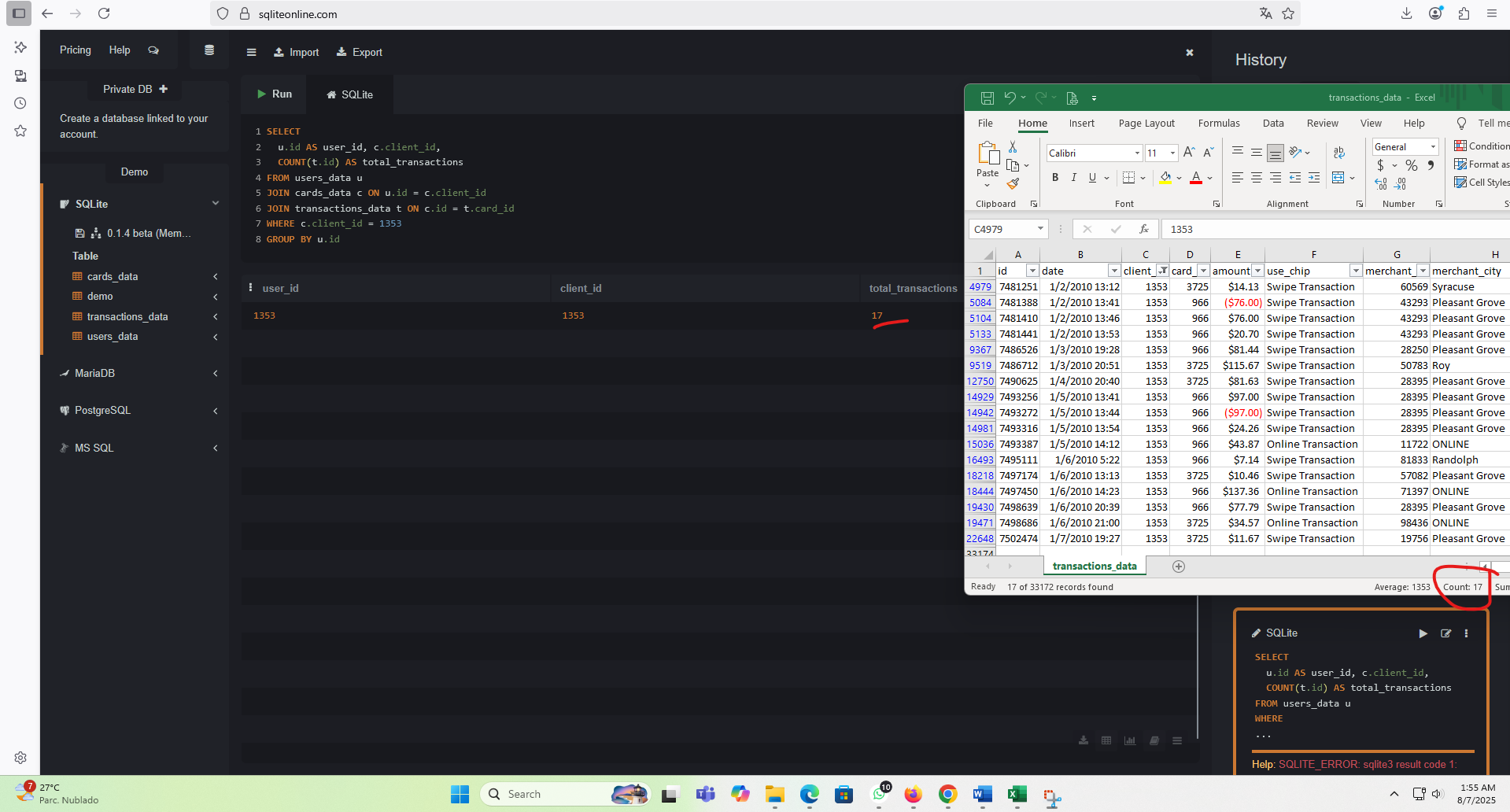
# **Create a Dashboard**

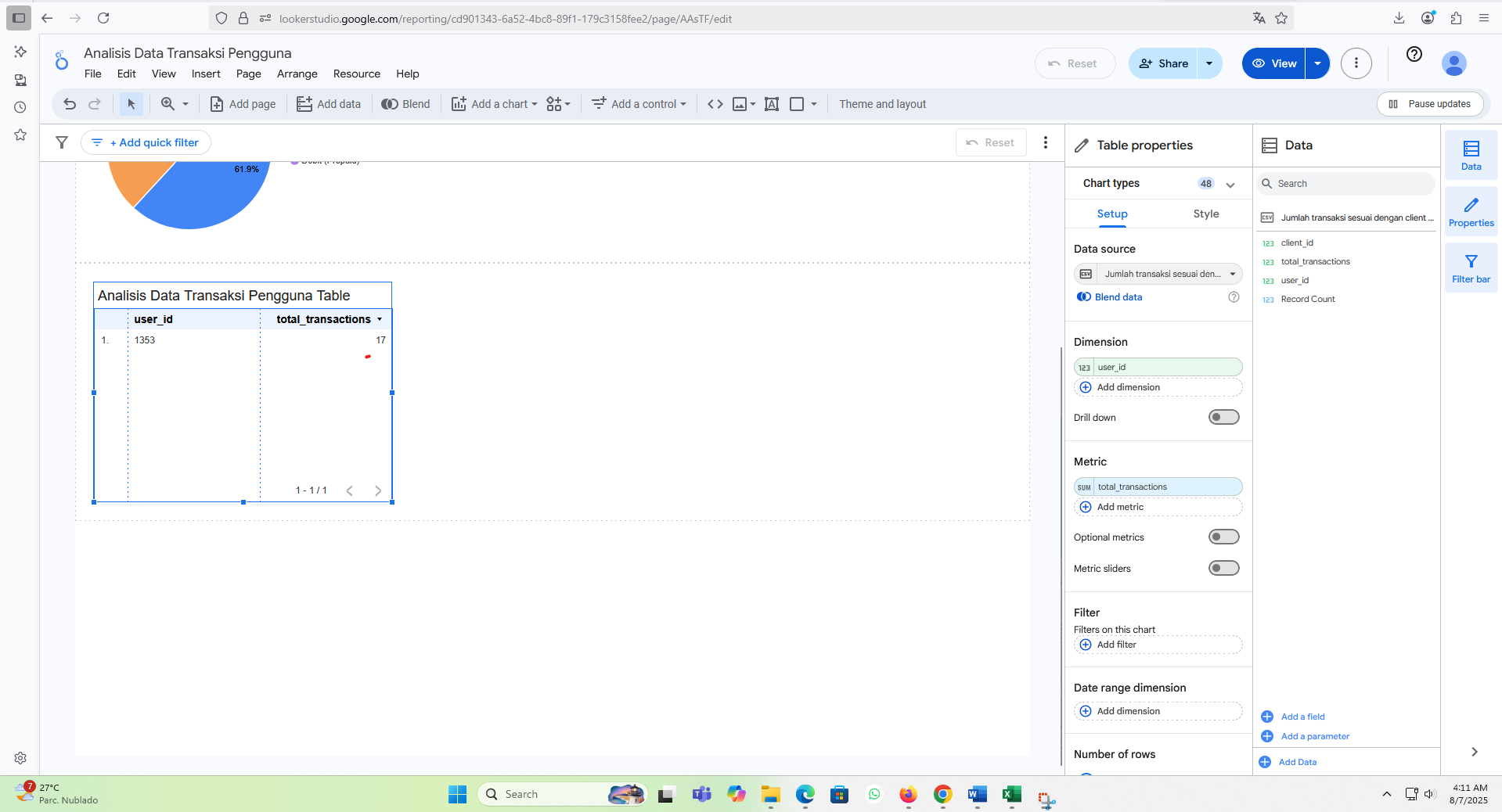
## Jumlah transaksi sesuai dengan Jenis Kartu :



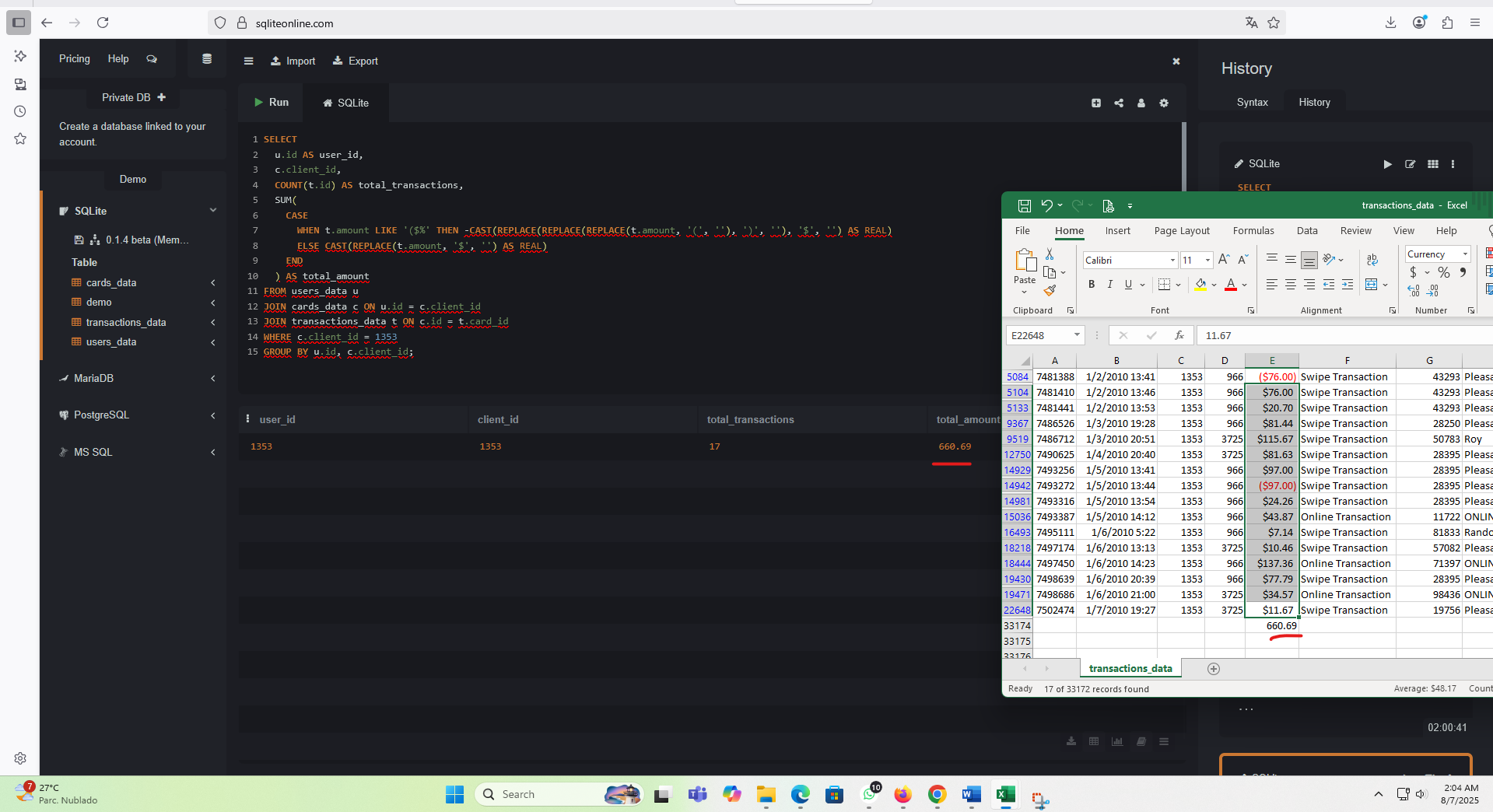


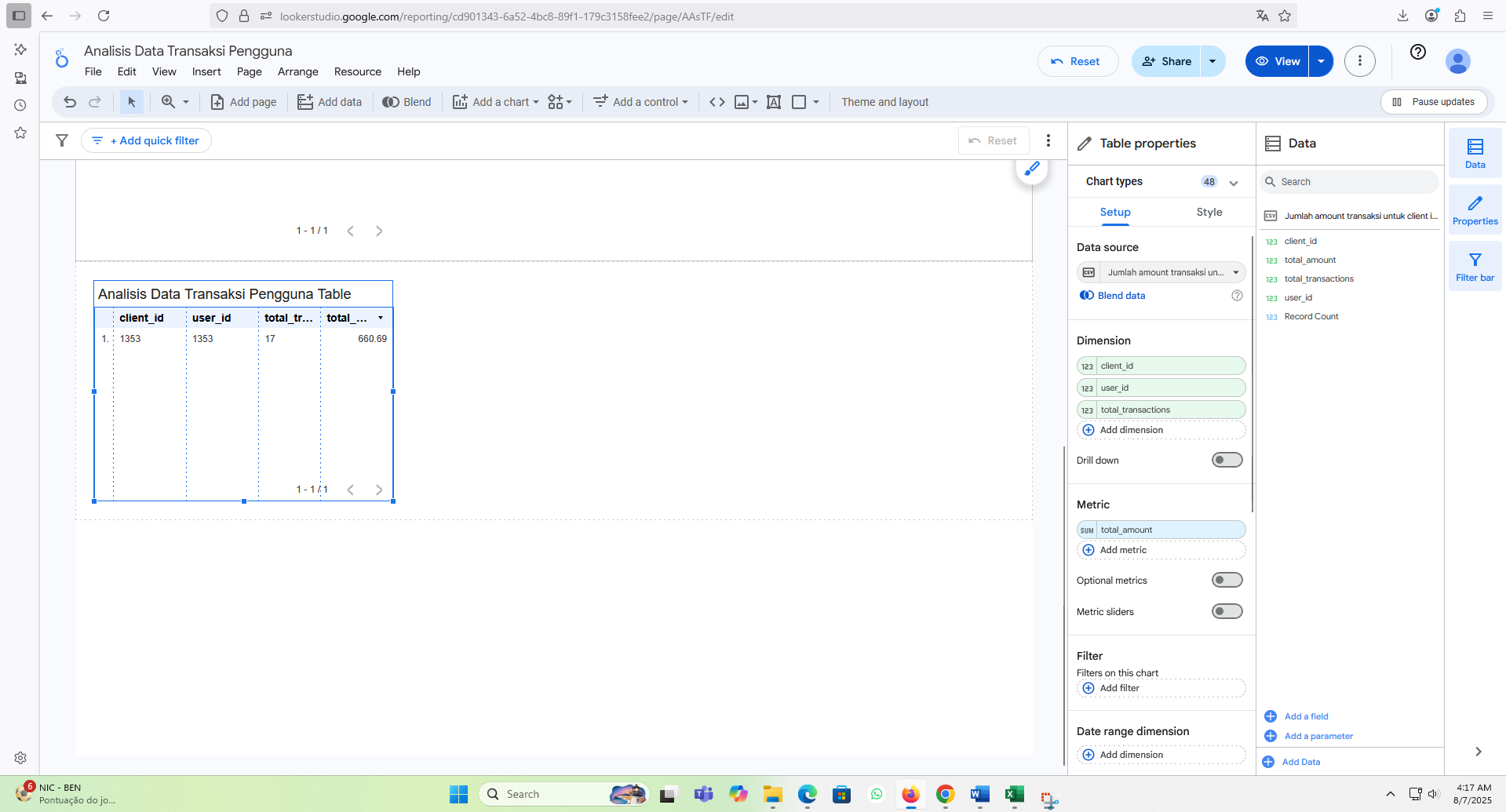
## Jumlah transaksi sesuai dengan client id tertentu (misal : 1353) :



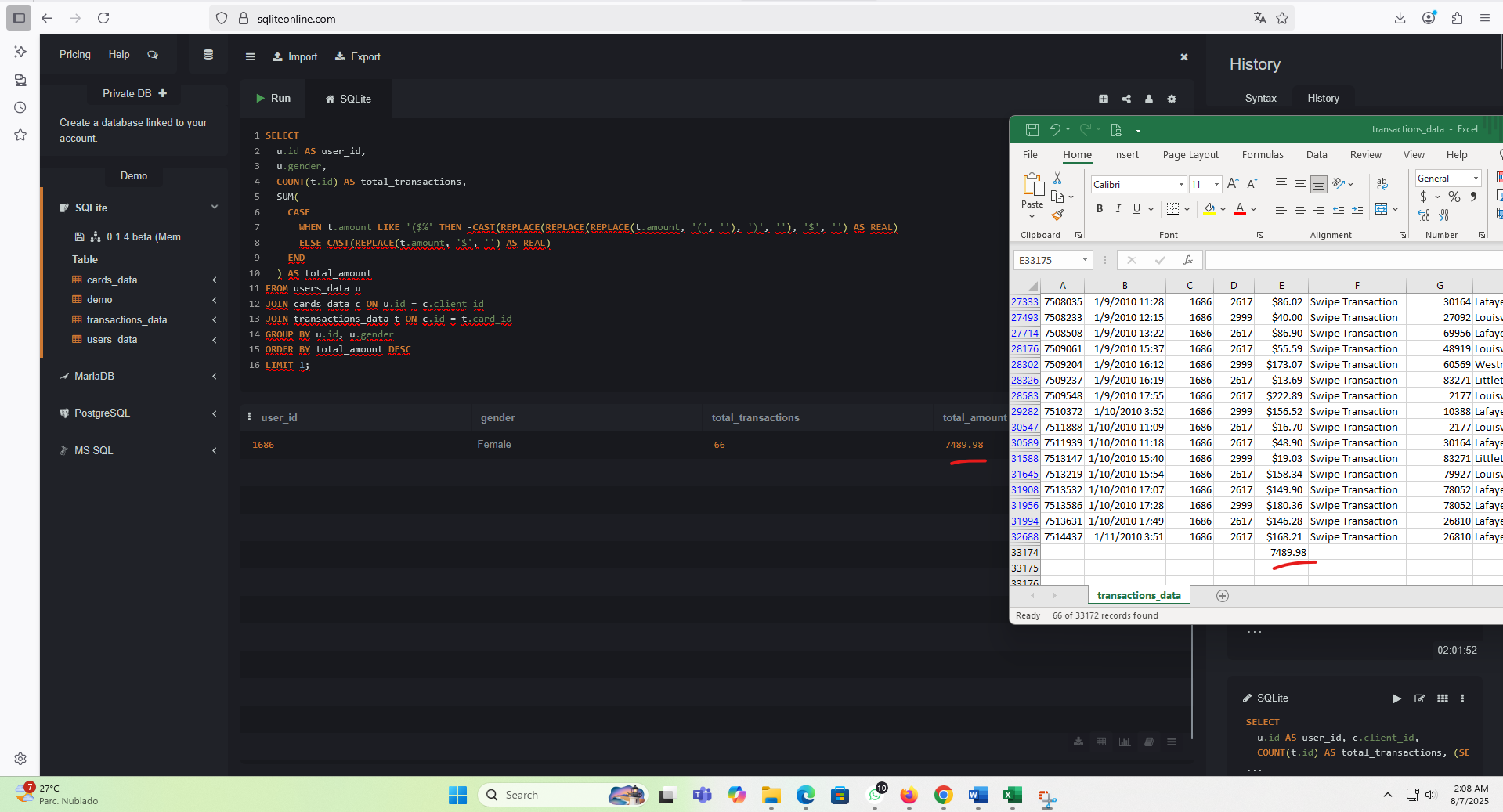


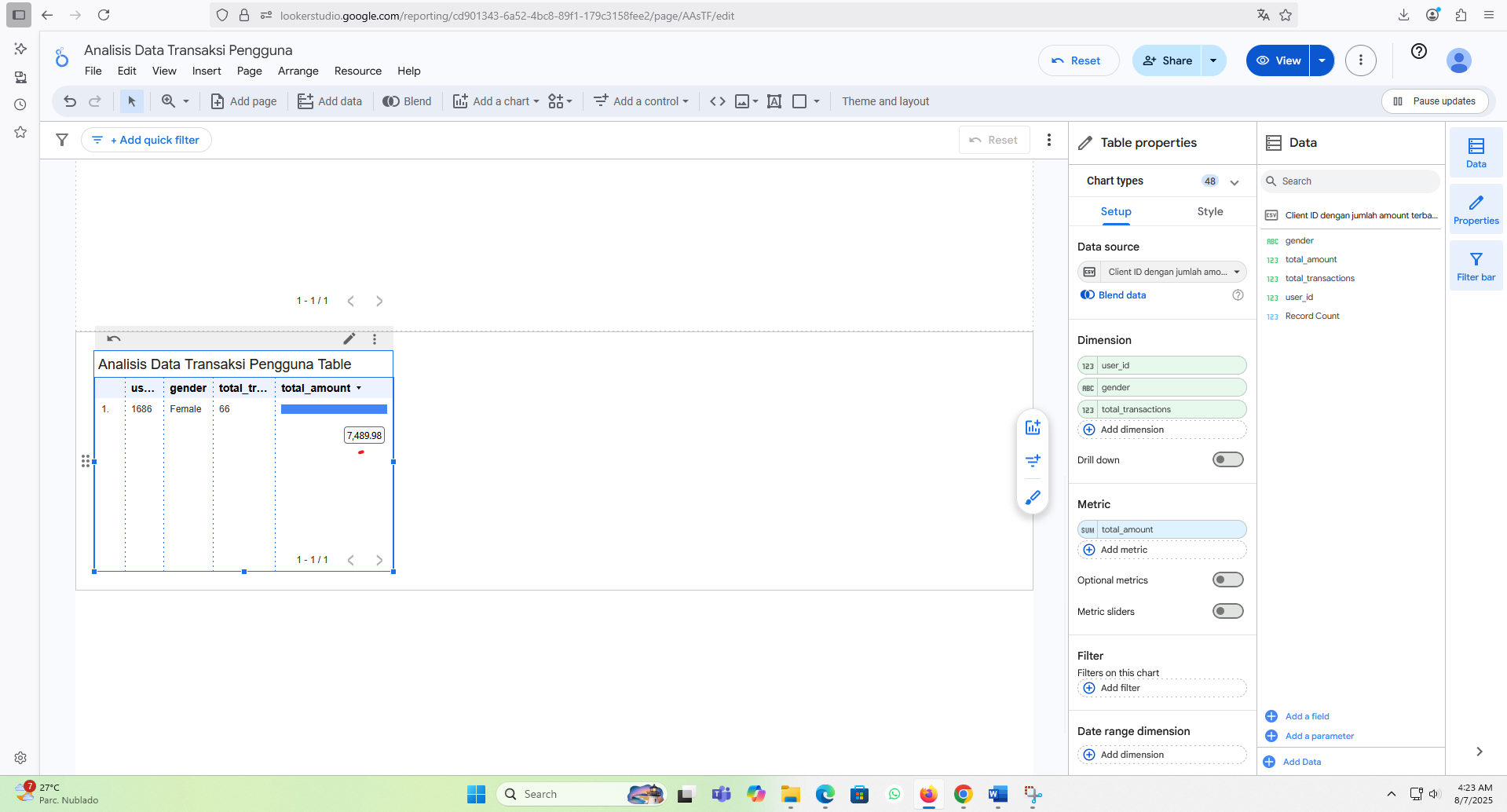
## Jumlah amount transaksi untuk client id 1353 :





## Client ID dengan jumlah amount terbanyak (menggunakan order by) :





Link Looker Studio : <https://lookerstudio.google.com/s/hmWtX91GxIM>