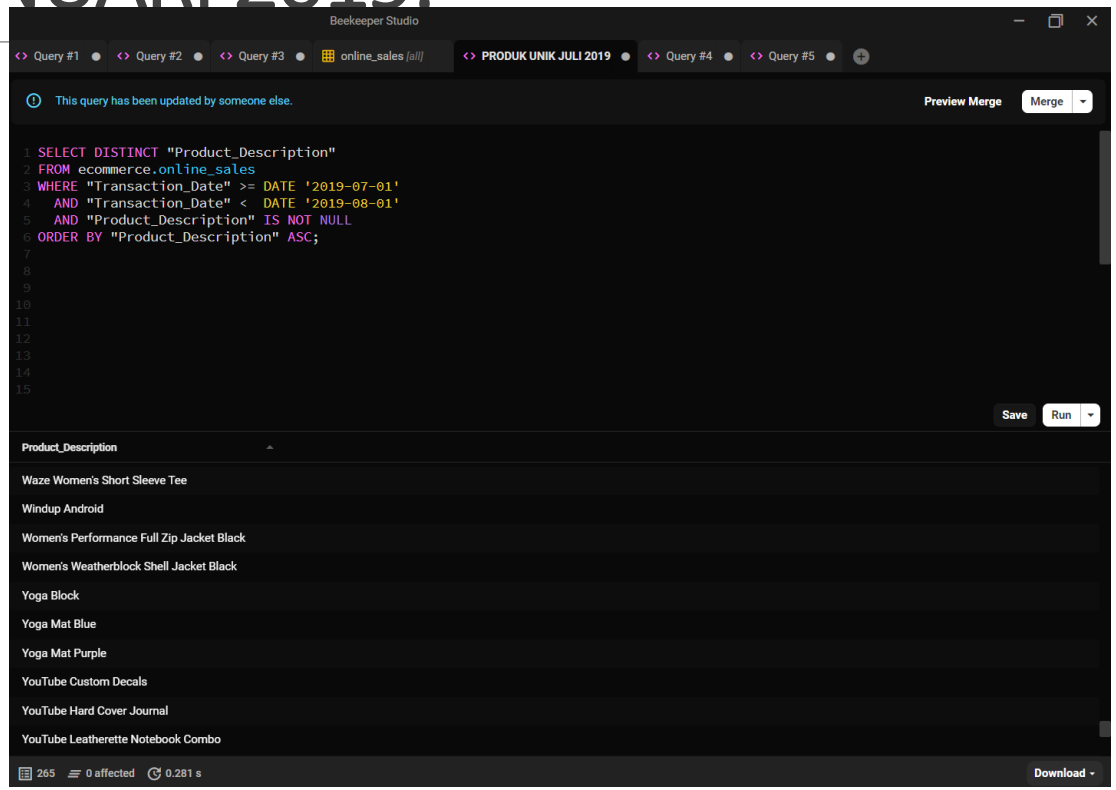
HOMEWORK 1 - SQL

DATA SCIENCE BATCH 54 DIGITAL SKOLA

NI LUH GEDE NANDA ANJASWARI RAI

1. MENAMPILKAN DAFTAR PRODUK UNIK YANG TERJUAL DI BULAN JANUARI 2019.

```
SELECT DISTINCT "Product_Description"
FROM ecommerce.online_sales
WHERE "Transaction_Date" >= DATE '2019-07-01'
 AND "Transaction_Date" <  DATE '2019-08-01'
 AND "Product_Description" IS NOT NULL
ORDER BY "Product_Description" ASC;
```

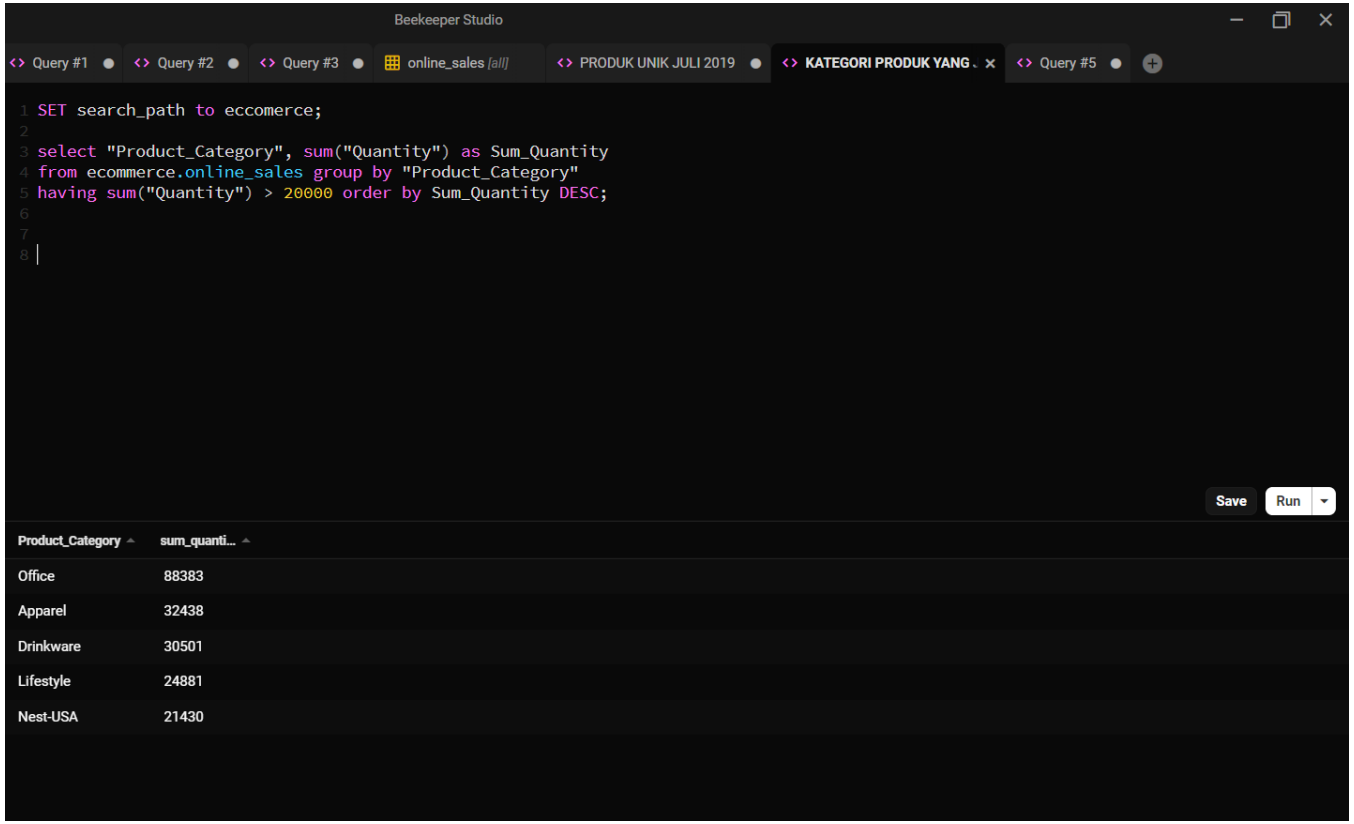


LINK HASIL BENTUK EXCEL:

https://docs.google.com/spreadsheets/d/16LzWc-DukHbc97F4YcxjAsinG_4loQEh/edit?usp=sharing&ouid=111092145908713030212&rtpof=true&sd=true

2. MENAMPILKAN DAFTAR KATEGORI PRODUK YANG JUMLAH PENJUALAN PRODUKNYA LEBIH DARI 2000

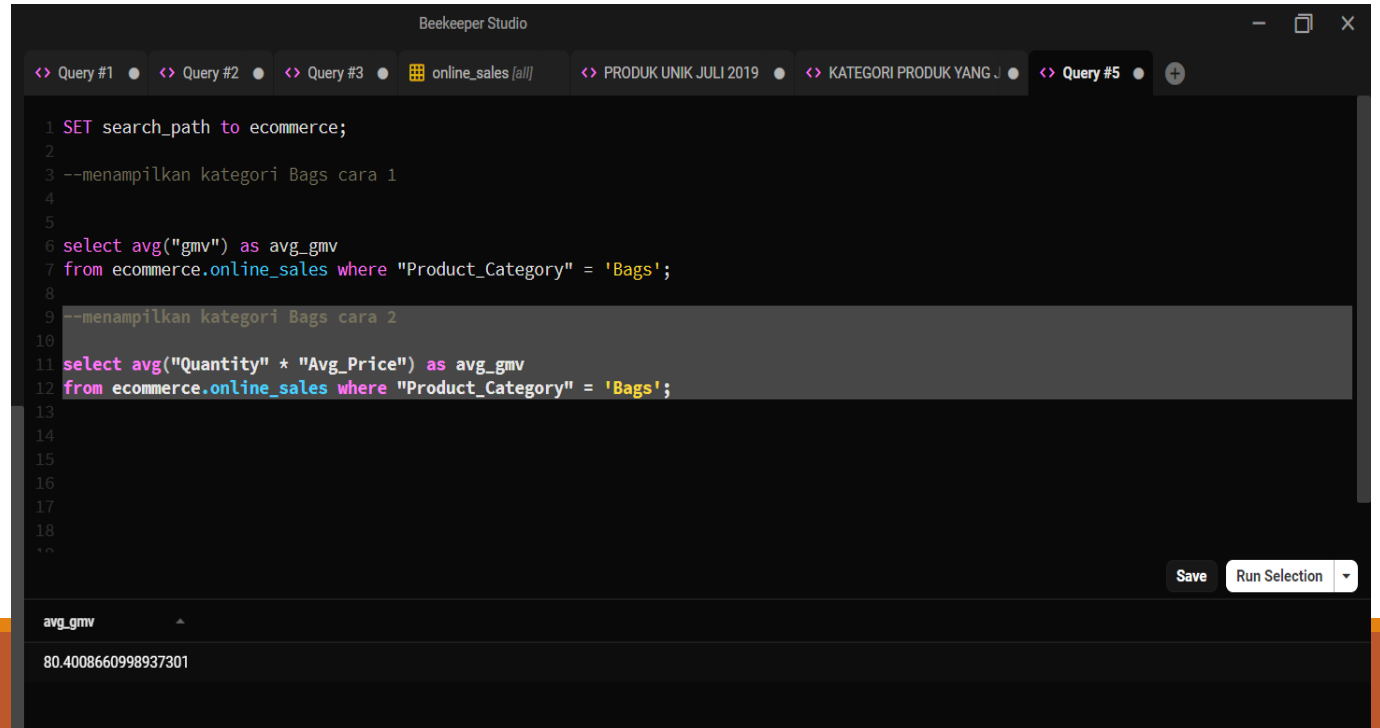
```
SET search_path to ecomerce;

select "Product_Category", sum("Quantity") as
Sum_Quantity
from ecommerce.online_sales group by
"Product_Category"
having sum("Quantity") > 20000 order by
Sum_Quantity DESC;
```



3. MENGHITUNG RATA-RATA GMV UNTUK SELURUH PENJUALAN KATEGORI BAGS

```
SET search_path to ecommerce;

--menampilkan kategori Bags cara 1

select avg("gmv") as avg_gmv

from ecommerce.online_sales where "Product_Category" = 'Bags';
```

```
--menampilkan kategori Bags cara 2


select avg("Quantity" * "Avg_Price") as avg_gmv
from ecommerce.online_sales where "Product_Category" = 'Bags';
```

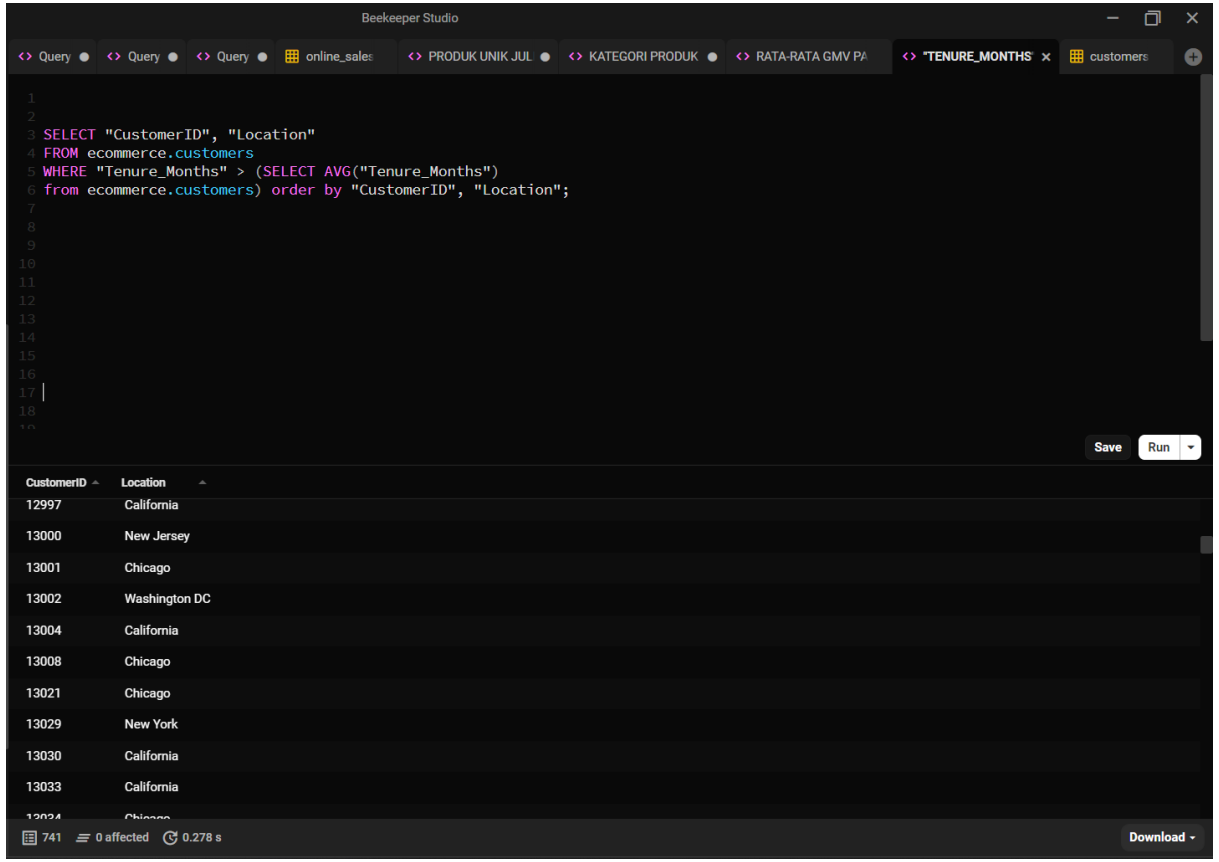


4. MENAMPILKAN DAFTAR CUSTOMER “TENURE_MONTHS” > AVG(“TENURE_MONTHS”)

```
SELECT "CustomerID", "Location"

FROM ecommerce.customers

WHERE "Tenure_Months" > (SELECT AVG("Tenure_Months")

from ecommerce.customers) order by "CustomerID",
"Location";
```

LINK HASIL BENTUK EXCEL:

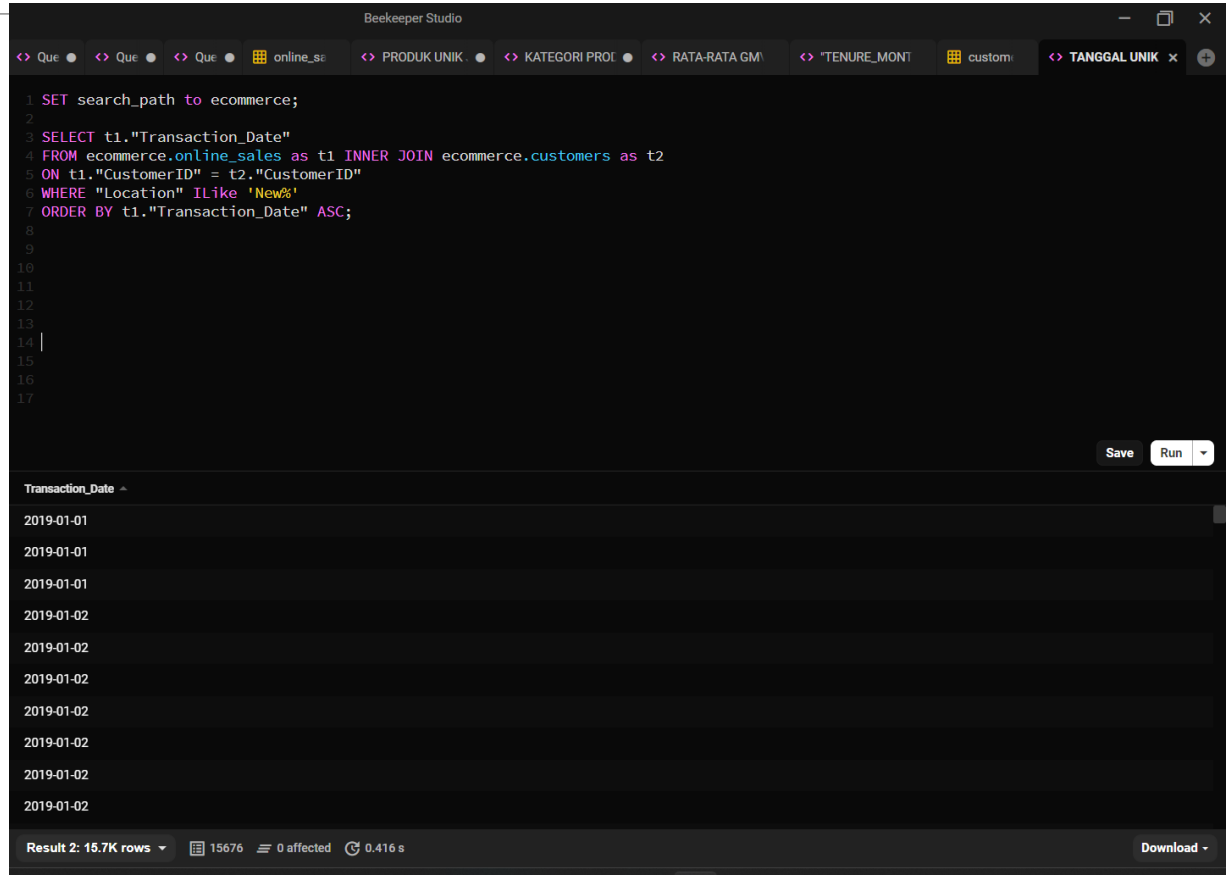
https://docs.google.com/spreadsheets/d/1sGM3WzmlcfVXUlqITxxRDbL7Mwn0xMsH/edit?usp=sharing&ouid=111092145908713030212&rtpof=true&sd=true



MENAMPILKAN TANGGAL (UNIK) DENGAN CUSTOMER YANG BERASAL DARI KOTA “NEW”

```
SET search_path to ecommerce;

SELECT t1."Transaction_Date"
FROM ecommerce.online_sales as t1 INNER JOIN
ecommerce.customers as t2
ON t1."CustomerID" = t2."CustomerID"
WHERE "Location" ILike 'New%'
ORDER BY t1."Transaction_Date" ASC;
```

LINK HASIL EXCEL:
https://docs.google.com/spreadsheets/d/1JTc57jk8Qep0d1VTXNy8I-tbxwlscYWU/edit?usp=sharing&ouid=111092145908713030212&rtpof=true&sd=true



TERIMA KASIH

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