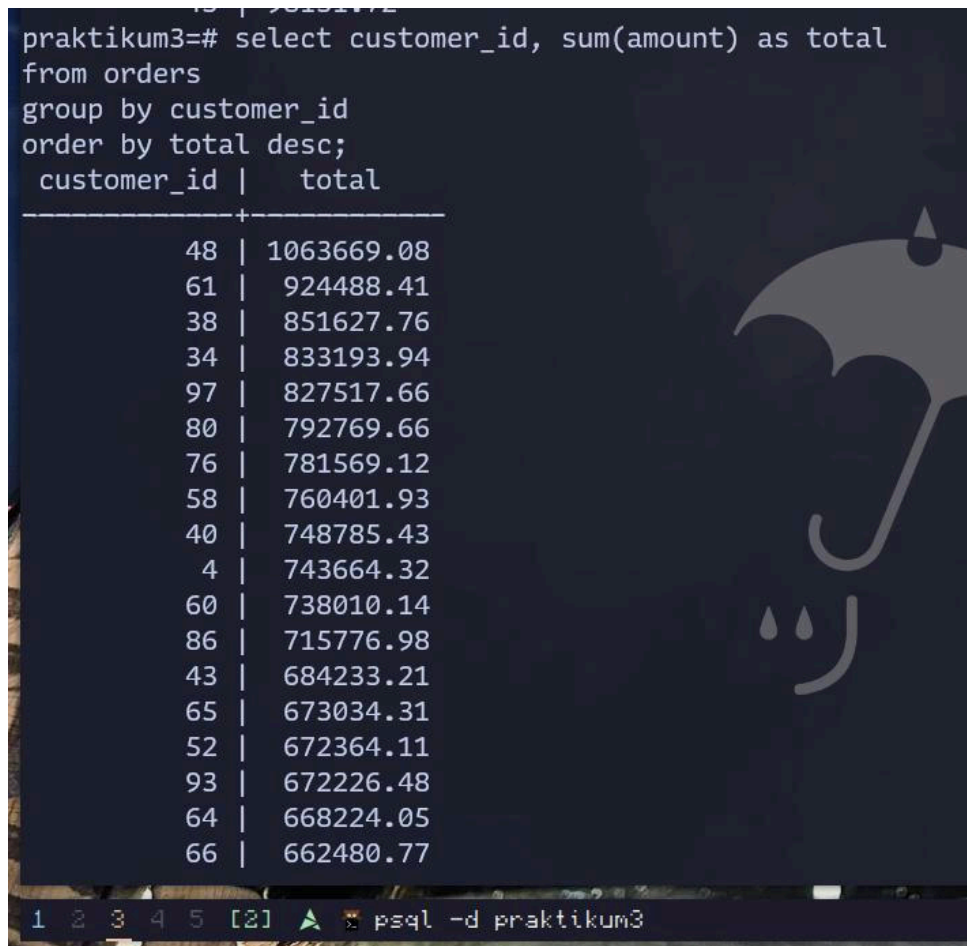# PRAKTIKUM 4

Mata Kuliah: Sistem basis data

Dosen: Muhammad Rizki Pratama Suhernawan. S, S.Kom.

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1. Temukan jumlah transaksi costumer, lalu urutkan dari yang paling banyak ke yang paling sedikit

```
select customer_id, sum(amount) as total
from orders
group by customer_id
order by total desc;
```


Figure 1: Screenshot Hasil Query

2. Temukan jumlah total transaksi per bulan

```
select extract(month from order_date) as bulan, sum(amount) as total
from orders
```

```
group by bulan
order by bulan asc;
```


Figure 2: Screenshot Hasil Query

3.Temukan jumlah total transaksi kostumer di bulan Oktober, urutkan dari yang paling besar ke yang paling kecil

```
select customer_id, sum(amount) as total
from orders
where extract(month from order_date) = 10
group by customer_id
order by total desc;
```

Figure 3: Screenshot Hasil Query

4. Temukan jumlah transaksi kostumer yang diatas rata-rata, lalu urutkan dari paling rendah sampai paling tinggi

```
select customer_id, amount
from orders
where amount > (select avg(amount) from orders)
group by customer_id, amount
order by amount asc;
```

```
praktikum3=# select customer_id, amount
from orders
where amount > (select avg(amount) from orders)
group by customer_id, amount
order by amount asc;
 customer_id |  amount
-------------+----------
           7 | 50715.44
          73 | 50940.77
          80 | 50966.03
          44 | 51039.32
           7 | 51074.73
          93 | 51304.95
          40 | 51532.80
          79 | 51624.78
          79 | 51628.68
           1 | 51834.09
          44 | 51864.84
          16 | 52262.34
          20 | 52357.22
          32 | 52416.54
          66 | 52581.78
          88 | 52584.30
 1  2  3  4  5  [2]  ⋀  ⊵ psql -d praktikum3
```

Figure 4: Screenshot Hasil Query