

PRAKTIKUM 4

Mata Kuliah: Sistem basis data

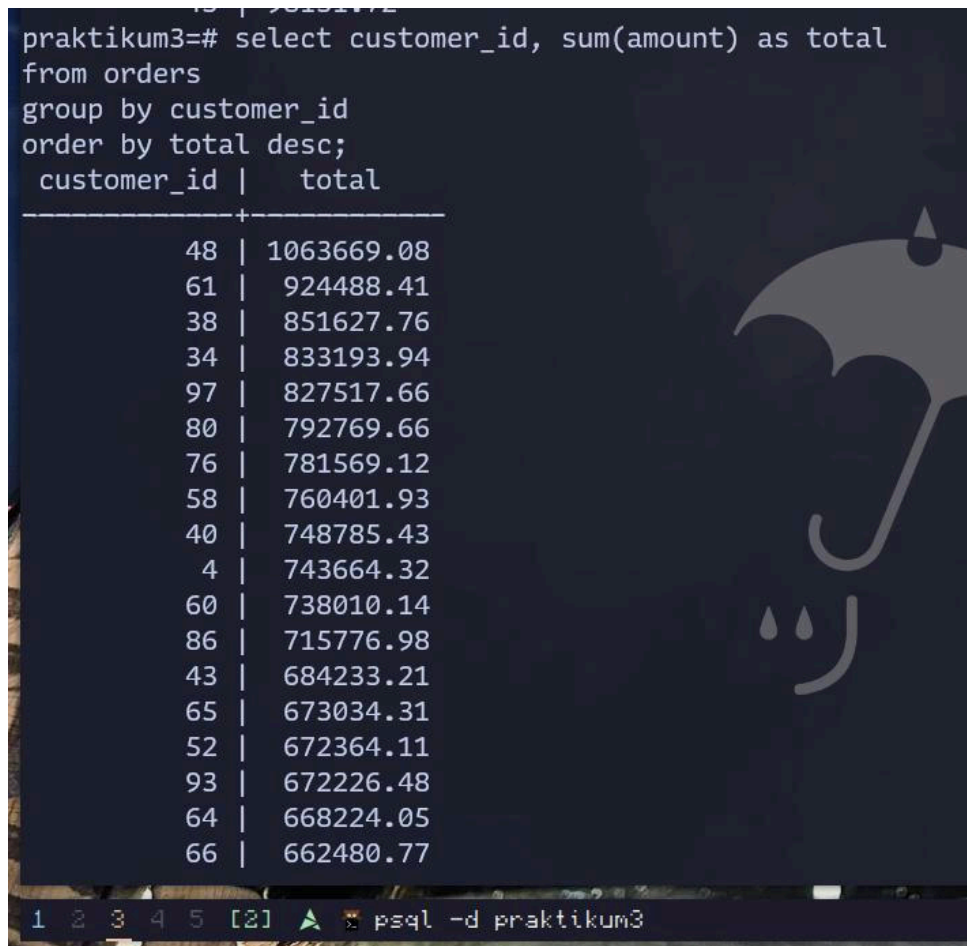
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1. Temukan jumlah transaksi costumer, lalu urutkan dari yang paling banyak ke yang paling sedikit

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



```
praktikum3=# select customer_id, sum(amount) as total
praktikum3=# from orders
praktikum3=# group by customer_id
praktikum3=# order by total desc;
 customer_id | total
-----+-----
          48 | 1063669.08
          61 | 924488.41
          38 | 851627.76
          34 | 833193.94
          97 | 827517.66
          80 | 792769.66
          76 | 781569.12
          58 | 760401.93
          40 | 748785.43
           4 | 743664.32
          60 | 738010.14
          86 | 715776.98
          43 | 684233.21
          65 | 673034.31
          52 | 672364.11
          93 | 672226.48
          64 | 668224.05
          66 | 662480.77
```

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;
```

```
praktikum3=# select extract(month from order_date) as bulan, sum(amount) as total
from orders
group by bulan
order by bulan asc;
bulan | total
-----+-----
1 | 4340128.13
2 | 3828754.00
3 | 5008465.40
4 | 4423165.53
5 | 4010834.83
6 | 3862288.85
7 | 5013956.55
8 | 3760185.87
9 | 3478693.31
10 | 3872305.71
11 | 4669113.24
12 | 3875773.03
(12 rows)
```




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;
```

```
praktikum3=# select customer_id, sum(amount) as total
from orders
where extract(month from order_date) = 10
group by customer_id
order by total desc;
 customer_id |    total
-----+-----
          26 | 212989.06
           7 | 212951.33
          58 | 210597.40
          43 | 209452.62
          94 | 155357.75
          27 | 146463.05
          80 | 145526.52
          44 | 133973.71
           3 | 105832.66
          23 | 105572.91
          79 |  98956.28
          45 |  97634.87
          59 |  97312.74
          30 |  96785.37
           1 |  95882.61
          68 |  95303.46
```

1 2 3 4 5 [2] psql -d praktikum3

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