

Nama : Muhammad Muhajir Al Fath

1. Customer yang pernah makan

```
56  
57 SELECT COUNT(*) AS total_customers  
58 FROM m_customer;
```

Output **total_customers:bigint** ✕

1 row ▾

| | total_customers |
|---|-----------------|
| 1 | 8 |

2. Total transaksi di sabtu minggu

```
1  
2 SELECT count(Price) AS trans_sabtu_minggu  
3 FROM m_product_price  
4 WHERE Date IN ('2022-06-04', '2022-06-05');
```

Output **trans_sabtu_minggu:bigint** ✕

1 row ▾

| | trans_sabtu_minggu |
|--|--------------------|
| | 7 |

3. Urutan pelanggan berdasarkan member aktif

```
1 WHERE Date IN ('2022-06-04', '2022-06-05');
2
3 SELECT *
4 FROM m_customer
5 ORDER BY Member DESC, Name;
6
```

Output wmb.public.m_customer x

8 rows

| | id | name | phone_number | member | discount |
|---|----|---------|--------------|--------|----------|
| 1 | 6 | Devi | 877745983 | 1 | 0.10 |
| 2 | 3 | Munaroh | 888901920 | 1 | 0.10 |
| 3 | 4 | Adinda | 815343411 | 0 | 0.00 |
| 4 | 2 | Basuki | 812399123 | 0 | 0.00 |
| 5 | 1 | Kadir | 877123333 | 0 | 0.00 |
| 6 | 8 | Nurman | 877567211 | 0 | 0.00 |
| 7 | 7 | Qibil | 821834583 | 0 | 0.00 |
| 8 | 5 | Rozak | 857129823 | 0 | 0.00 |

4. jumlah transaksi untuk makan ditempat dan dibungkus

```
98 FROM transaction;
99
100 SELECT
101     COUNT(CASE WHEN table_id = 5 THEN 1 END) AS dibungkus,
102     COUNT(CASE WHEN table_id < 5 THEN 1 END) AS makan_ditempat
103 FROM transaction;
104
105
```

Output Result 22 ✕

1 row ▾

| | dibungkus | makan_ditempat |
|---|-----------|----------------|
| 1 | 2 | 10 |

5. data harga satuan makanan yang lebih dari 10,000,

```
77
78 SELECT *
79 FROM m_product_price
80 WHERE m_product_price.price > 10000;
81
82
83
```

Output wmb.public.m_product_price ✕

2 rows ▾

| | id | product_id | date | price |
|---|----|------------|------------|-------|
| 1 | 9 | 7 | 2022-06-01 | 12000 |
| 2 | 11 | 9 | 2022-06-02 | 25000 |

6. data transaksi terbesar yang pernah ada

```
80 WHERE m_product_price.price > 10000,
81
82 SELECT *
83 FROM transaction
84 ORDER BY grand_total DESC
85 LIMIT 1;
86
```

Output wmb.public.transaction x

| | id | no_inv | id_customer | table_id | grand_total |
|---|----|--------------------|-------------|----------|-------------|
| 1 | 12 | INV-20220605-00012 | 5 | 5 | 30000 |

7. data nomor telp dengan format +628xxxxx

```
86
87 SELECT CONCAT('+62', SUBSTRING(phone_number, 2)) AS "Nomor telepon"
88 FROM m_customer;
89
```

Output Nomor telepon:text x

| | "Nomor telepon" |
|---|-----------------|
| 1 | +6277745983 |
| 2 | +6288901920 |
| 3 | +6215343411 |
| 4 | +6212399123 |
| 5 | +6277567211 |
| 6 | +6221834583 |
| 7 | +6277123333 |
| 8 | +6257129823 |

8. Mencetak data member jika 0 'Bukan Member' dan 1 'Member'

```
0 SELECT
1     name,
2     CASE WHEN member = 0 THEN 'Bukan Member' ELSE 'Member' END AS "Status Member"
3 FROM m_customer;
```

Output Result 20

8 rows

| | name | "Status Member" |
|---|---------|-----------------|
| 1 | Devi | Member |
| 2 | Munaroh | Member |
| 3 | Adinda | Bukan Member |
| 4 | Basuki | Bukan Member |
| 5 | Nurman | Bukan Member |
| 6 | Qibil | Bukan Member |
| 7 | Kadir | Bukan Member |
| 8 | Rozak | Bukan Member |

| m_customer | |
|------------|--------------|
| PK | <u>ID</u> |
| | Name |
| | Phone Number |
| | Member |
| | Discount |

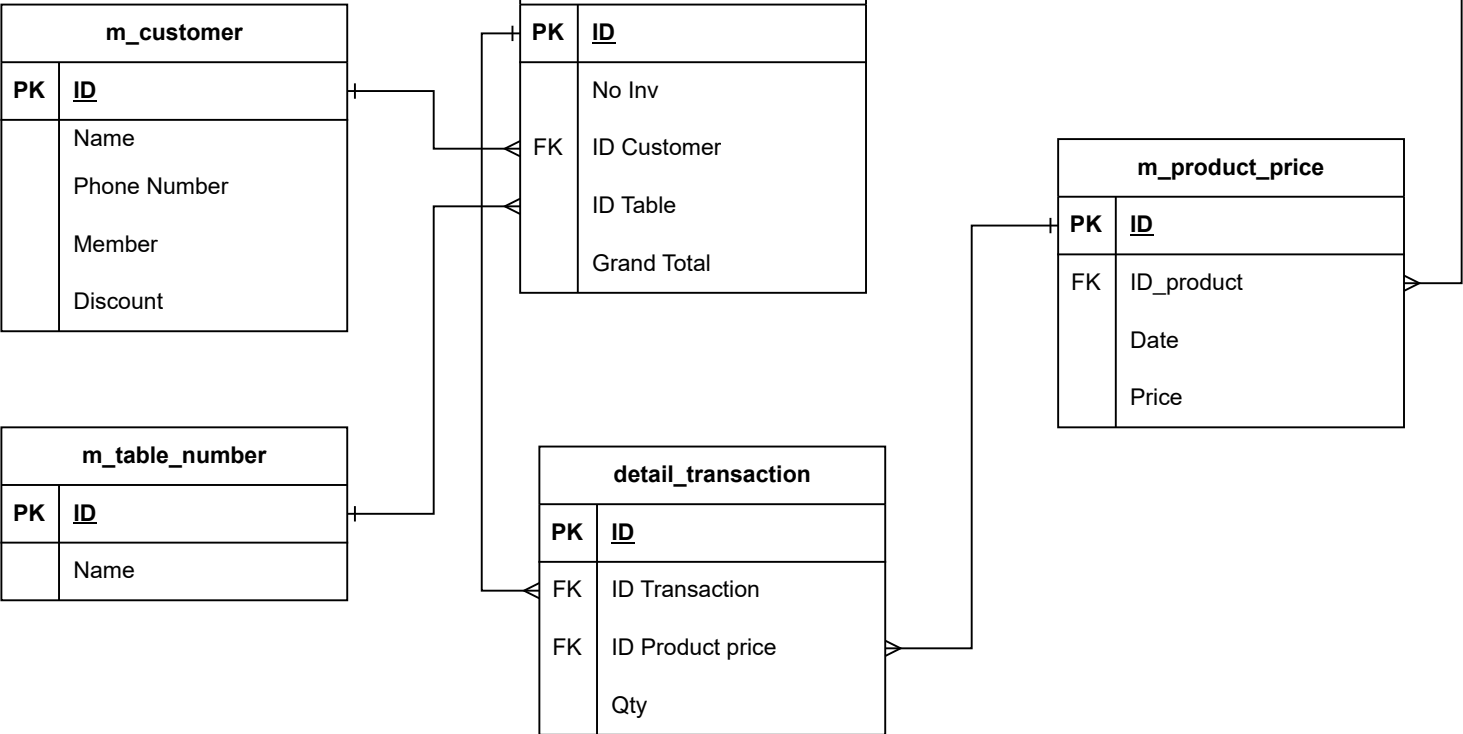
| m_table_number | |
|----------------|-----------|
| PK | <u>ID</u> |
| | Name |

| transaction | |
|-------------|-------------|
| PK | <u>ID</u> |
| | No Inv |
| FK | ID Customer |
| | ID Table |
| | Grand Total |

| detail_transaction | |
|--------------------|------------------|
| PK | <u>ID</u> |
| FK | ID Transaction |
| FK | ID Product price |
| | Qty |

| m_product | |
|-----------|-----------|
| PK | <u>ID</u> |
| | Name |

| m_product_price | |
|-----------------|------------|
| PK | <u>ID</u> |
| FK | ID_product |
| | Date |
| | Price |



| UNF | | | | | | | | | | |
|-------------------|---------------|--------|--------------|-----------|-----------------------------|-----------|----------|-------------------|----------|--|
| Date | Customer Name | Member | Phone Number | Table | Purchase | Sub Total | Discount | Grand Total | | |
| 1 juni 2022 | Kadir | 0 | 877123333 | T01 | Nasi Putih,1,3000-Sayur So | 10,500 | 0 | 10,500 | | |
| 1 juni 2022 | Basuki | 0 | 812399123 | T02 | Nasi Putih,1,3000-Sayur Lo | 11,000 | 0 | 11,000 | | |
| 1 juni 2022 | Munaroh | 1 | 888901920 | T01 | Nasi Goreng,1, 12000-Telor | 17,000 | 10 | 15,300 | | |
| 2 Juni 2022 | Adinda | 0 | 815343411 | Take Away | Nasi Goreng Spesial,1,2500 | 25,000 | 0 | 25,000 | | |
| 3 Juni 2022 | Basuki | 0 | 812399123 | T01 | Nasi Putih,1,3000-Sayur Ka | 11,000 | 0 | 11,000 | | |
| 3 Juni 2022 | Rozak | 0 | 857129823 | T02 | Kopi Kapal Api,1,4000-Ane | 14,000 | 0 | 14,000 | | |
| 3 Juni 2022 | Devi | 1 | 877745983 | T03 | Indomie Goreng Telor,1,100 | 16,000 | 10 | 14,400 | | |
| 3 Juni 2022 | Qibil | 0 | 821834583 | T02 | Nasi Putih,0.5,1500-Telor B | 14,000 | 0 | 14,000 | | |
| 3 Juni 2022 | Nurman | 0 | 877567211 | T04 | Nasi Putih,1,3000-Tempe O | 10,500 | 0 | 10,500 | | |
| 4 Juni 2022 | Basuki | 0 | 812399123 | T01 | Nasi Putih,1,4000-Sayur Lo | 10,000 | 0 | 10,000 | | |
| 4 Juni 2022 | Rozak | 0 | 857129823 | T04 | Indomie Kari Ayam Telor,1, | 11,500 | 0 | 11,500 | | |
| 5 Juni 2022 | Rozak | 0 | 857129823 | Take Away | Aneka Gorengan,15,30000 | 30,000 | 0 | 30,000 | | |
| | | | | | | 180,500 | | 177,200 | | |
| INF | | | | | | | | | | |
| Tanggal Pembelian | Name | Member | Phone Number | Table | Purchase | Price | Total | Sub total Product | Discount | |
| 1 juni 2022 | Kadir | 0 | 877123333 | T01 | Nasi Putih | 3000 | 1 | 3,000 | 0 | |
| 1 juni 2022 | Kadir | 0 | 877123333 | T01 | Sayur Sop | 2000 | 1 | 2,000 | 0 | |
| 1 juni 2022 | Kadir | 0 | 877123333 | T01 | Tahu | 2000 | 2 | 4,000 | 0 | |
| 1 juni 2022 | Kadir | 0 | 877123333 | T01 | Es Teh Tawar | 1500 | 1 | 1,500 | 0 | |
| 1 juni 2022 | Basuki | 0 | 812399123 | T02 | Nasi Putih | 3000 | 1 | 3,000 | 0 | |
| 1 juni 2022 | Basuki | 0 | 812399123 | T02 | Sayur Lodeh | 2500 | 1 | 2,500 | 0 | |
| 1 juni 2022 | Basuki | 0 | 812399123 | T02 | Tempe | 2000 | 2 | 4,000 | 0 | |
| 1 juni 2022 | Basuki | 0 | 812399123 | T02 | Es Teh Tawar | 1500 | 1 | 1,500 | 0 | |
| 1 juni 2022 | Munaroh | 1 | 888901920 | T01 | Nasi Goreng | 12000 | 1 | 12,000 | 10 | |
| 1 juni 2022 | Munaroh | 1 | 888901920 | T01 | Telor Ceplok | 5000 | 1 | 5,000 | 10 | |
| 2 Juni 2022 | Adinda | 0 | 815343411 | Take Away | Nasi Goreng Spesial | 25000 | 1 | 25,000 | 0 | |
| 3 Juni 2022 | Basuki | 0 | 812399123 | T01 | Nasi Putih | 3000 | 1 | 3,000 | 0 | |
| 3 Juni 2022 | Basuki | 0 | 812399123 | T01 | Sayur Kangkung | 1500 | 1 | 1,500 | 0 | |
| 3 Juni 2022 | Basuki | 0 | 812399123 | T01 | Telor Dadar | 5000 | 1 | 5,000 | 0 | |
| 3 Juni 2022 | Basuki | 0 | 812399123 | T01 | Es Teh Tawar | 1500 | 1 | 1,500 | 0 | |
| 3 Juni 2022 | Rozak | 0 | 857129823 | T02 | Kopi Kapal Api | 4000 | 1 | 4,000 | 0 | |
| 3 Juni 2022 | Rozak | 0 | 857129823 | T02 | Aneka Gorengan | 2000 | 5 | 10000 | 0 | |
| 3 Juni 2022 | Devi | 1 | 877745983 | T03 | Indomie Goreng Telor | 10000 | 1 | 10,000 | 10 | |
| 3 Juni 2022 | Devi | 1 | 877745983 | T03 | Es Ovaltine | 6000 | 1 | 6000 | 10 | |
| 3 Juni 2022 | Qibil | 0 | 821834583 | T02 | Nasi Putih | 3000 | 0.5 | 1500 | 0 | |
| 3 Juni 2022 | Qibil | 0 | 821834583 | T02 | Telor Balado | 4000 | 1 | 4000 | 0 | |
| 3 Juni 2022 | Qibil | 0 | 821834583 | T02 | Sayur Buncis | 3000 | 1 | 3000 | 0 | |
| 3 Juni 2022 | Qibil | 0 | 821834583 | T02 | Aneka Gorengan | 2000 | 2 | 4000 | 0 | |
| 3 Juni 2022 | Qibil | 0 | 821834583 | T02 | Es Teh manis | 1500 | 1 | 1500 | 0 | |
| 3 Juni 2022 | Nurman | 0 | 877567211 | T04 | Nasi Putih | 3000 | 1 | 3000 | 0 | |

| | | | | | | | | | | |
|----|-------------------------|--|--|--|--|--|----|----|------------|-------|
| 17 | Sayur Buncis | | | | | | 29 | 1 | 2022-06-04 | 4000 |
| 18 | Es Teh Manis | | | | | | 30 | 5 | 2022-06-04 | 2500 |
| 19 | Tempe Orek | | | | | | 31 | 6 | 2022-06-04 | 2000 |
| 20 | Sayur Tahu | | | | | | 32 | 18 | 2022-06-04 | 1500 |
| 21 | Indomie Kari Ayam Telor | | | | | | 33 | 21 | 2022-06-04 | 10000 |
| | | | | | | | 34 | 18 | 2022-06-04 | 1500 |
| | | | | | | | 35 | 13 | 2022-06-05 | 2000 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

3NF

Table Transaction

| ID (PK) | No Inv | ID Customer (FK) | Table Number | Grand Total |
|---------|--------------------|------------------|--------------|-------------|
| 1 | INV-20220601-0001 | 1 | 1 | 10500 |
| 2 | INV-20220601-0002 | 2 | 2 | 11000 |
| 3 | INV-20220601-0003 | 3 | 1 | 17000 |
| 4 | INV-20220602-0004 | 4 | 5 | 25000 |
| 5 | INV-20220603-0005 | 2 | 1 | 11000 |
| 6 | INV-20220603-0006 | 5 | 2 | 14000 |
| 7 | INV-20220603-0007 | 6 | 3 | 16000 |
| 8 | INV-20220603-0008 | 7 | 2 | 14000 |
| 9 | INV-20220603-0009 | 8 | 4 | 10500 |
| 10 | INV-20220604-00010 | 2 | 1 | 10000 |
| 11 | INV-20220604-00011 | 5 | 4 | 11500 |
| 12 | INV-20220605-00012 | 5 | 5 | 30000 |

Table Transcation Detail

| ID (PK) | ID Transaction | ID Product Price | Qty |
|---------|----------------|------------------|-----|
| 1 | 1 | 1 | 1 |
| 2 | 1 | 2 | 1 |
| 3 | 1 | 3 | 2 |
| 4 | 1 | 4 | 1 |
| 5 | 2 | 5 | 1 |
| 6 | 2 | 6 | 1 |
| 7 | 2 | 7 | 2 |
| 8 | 2 | 8 | 1 |
| 9 | 3 | 9 | 1 |
| 10 | 3 | 10 | 1 |
| 11 | 4 | 11 | 1 |
| 12 | 5 | 12 | 1 |
| 13 | 5 | 13 | 1 |
| 14 | 5 | 14 | 1 |
| 15 | 5 | 15 | 1 |

| | | | | | | | | | | |
|----|----|----|-----|--|--|--|--|--|--|--|
| 16 | 6 | 16 | 1 | | | | | | | |
| 17 | 6 | 17 | 5 | | | | | | | |
| 18 | 7 | 18 | 1 | | | | | | | |
| 19 | 7 | 19 | 1 | | | | | | | |
| 20 | 8 | 20 | 0.5 | | | | | | | |
| 21 | 8 | 21 | 1 | | | | | | | |
| 22 | 8 | 22 | 1 | | | | | | | |
| 23 | 8 | 23 | 2 | | | | | | | |
| 24 | 8 | 24 | 1 | | | | | | | |
| 25 | 9 | 25 | 1 | | | | | | | |
| 26 | 9 | 26 | 1 | | | | | | | |
| 27 | 9 | 27 | 1 | | | | | | | |
| 28 | 9 | 28 | 1 | | | | | | | |
| 29 | 10 | 29 | 1 | | | | | | | |
| 30 | 10 | 30 | 1 | | | | | | | |
| 31 | 10 | 31 | 1 | | | | | | | |
| 32 | 10 | 32 | 1 | | | | | | | |
| 33 | 11 | 33 | 1 | | | | | | | |
| 34 | 11 | 34 | 1 | | | | | | | |
| 35 | 12 | 35 | 15 | | | | | | | |