

Simple SELECTs Worksheet 2

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SOAL 2.1

1. Download <https://github.com/beekeeper-studio/beekeeper-studio/releases/tag/v3.8.9>
2. Tampilkan seluruh data produk diurutkan berdasarkan harga_jual mulai dari yang termahal

*SELECT * FROM produk ORDER BY harga_jual DESC;*

```
MariaDB [dbtoko]> SELECT * FROM produk ORDER BY harga_jual DESC;
```

id	kode	nama	harga_beli	harga_jual	stok	min_stok	jenis_produk_id
3	K001	Kulkas	4000000	5000000	10	3	1
1	TV01	TV	3000000	4000000	3	2	1
2	TV02	TV 21 Inch	2000000	3000000	10	3	1
4	M001	Meja Makan	1000000	2000000	4	2	4
5	T001	Taro	4000	5000	3	2	2
6	TK01	Teh Kotak	3000	4000	2	10	3

6 rows in set (0.001 sec)

3. Tampilkan data kode, nama, tmp_lahir, tgl_lahir dari table pelanggan

SELECT kode, nama_pelanggan, tmp_lahir, tgl_lahir from pelanggan;

```
MariaDB [dbtoko]> SELECT kode, nama_pelanggan, tmp_lahir, tgl_lahir from pelanggan;
```

kode	nama_pelanggan	tmp_lahir	tgl_lahir
011101	Agung	Bandung	1997-09-06
011102	Pandan Wangi	Yogyakarta	1998-08-07
011103	Sekar	Kediri	2001-09-08
011104	Suandi	Jakarta	1997-09-08
011105	Pradana	Jakarta	2001-08-01
011106	Gayatri Putri	Jakarta	2002-09-01

6 rows in set (0.000 sec)

4. Tampilkan kode,nama,stok dari table produk yang stok-nya hanya 4

SELECT kode, nama, stok from produk WHERE stok=4;

```
MariaDB [dbtoko]> SELECT kode, nama, stok from produk WHERE stok=4;
```

kode	nama	stok
M001	Meja Makan	4

1 row in set (0.001 sec)

5. Tampilkan seluruh data pelanggan yang tempat lahirnya Jakarta

*SELECT * from pelanggan WHERE tmp_lahir='jakarta';*

```
MariaDB [dbtoko]> SELECT * from pelanggan WHERE tmp_lahir='jakarta';
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| id | kode | nama_pelanggan | jk | tmp_lahir | tgl_lahir | email | kartu_id | alamat |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 4 | 011104 | Suandi | L | Jakarta | 1997-09-08 | suandi@gmail.com | 1 | Jalan Kediri Jaya |
| 5 | 011105 | Pradana | L | Jakarta | 2001-08-01 | pradana@gmail.com | 2 | Jalan Kemang |
| 6 | 011106 | Gayatri Putri | P | Jakarta | 2002-09-01 | gayatri@gmail.com | 1 | Jalan Sudirman |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.000 sec)
```

6. Tampilkan kode, nama, tmp_lahir, tgl_lahir dari pelanggan diurutkan dari yang paling muda usianya

SELECT kode, nama_pelanggan, tmp_lahir, tgl_lahir from pelanggan ORDER BY tgl_lahir DESC;

```
MariaDB [dbtoko]> SELECT kode, nama_pelanggan, tmp_lahir, tgl_lahir from pelanggan ORDER BY tgl_lahir DESC;
+-----+-----+-----+-----+
| kode | nama_pelanggan | tmp_lahir | tgl_lahir |
+-----+-----+-----+-----+
| 011106 | Gayatri Putri | Jakarta | 2002-09-01 |
| 011103 | Sekar | Kediri | 2001-09-08 |
| 011105 | Pradana | Jakarta | 2001-08-01 |
| 011102 | Pandan Wangi | Yogyakarta | 1998-08-07 |
| 011104 | Suandi | Jakarta | 1997-09-08 |
| 011101 | Agung | Bandung | 1997-09-06 |
+-----+-----+-----+-----+
6 rows in set (0.000 sec)
```

SOAL 2.2

1. Tampilkan data produk yang stoknya 3 dan 10

*SELECT * from produk WHERE stok=3 OR stok=10;*

```
MariaDB [dbtoko]> SELECT * from produk WHERE stok=3 OR stok=10;
+-----+-----+-----+-----+-----+-----+-----+-----+
| id | kode | nama | harga_beli | harga_jual | stok | min_stok | jenis_produk_id |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | TV01 | TV | 3000000 | 4000000 | 3 | 2 | 1 |
| 2 | TV02 | TV 21 Inch | 2000000 | 3000000 | 10 | 3 | 1 |
| 3 | K001 | Kulkas | 4000000 | 5000000 | 10 | 3 | 1 |
| 5 | T001 | Taro | 4000 | 5000 | 3 | 2 | 2 |
+-----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.000 sec)
```

2. Tampilkan data produk yang harga jualnya kurang dari 5 juta tetapi lebih dari 500 ribu

*SELECT * FROM produk WHERE harga_jual < 5000000 AND harga_jual > 500000;*

```
MariaDB [dbtoko]> SELECT * FROM produk WHERE harga_jual < 5000000 AND harga_jual > 500000;
+-----+-----+-----+-----+-----+-----+-----+-----+
| id | kode | nama | harga_beli | harga_jual | stok | min_stok | jenis_produk_id |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | TV01 | TV | 3000000 | 4000000 | 3 | 2 | 1 |
| 2 | TV02 | TV 21 Inch | 2000000 | 3000000 | 10 | 3 | 1 |
| 4 | M001 | Meja Makan | 1000000 | 2000000 | 4 | 2 | 4 |
+-----+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.035 sec)
```

3. Tampilkan data produk yang harus segera ditambah stoknya

```
SELECT * FROM produk WHERE min_stok > stok;
```

```
MariaDB [dbtoko]> SELECT * FROM produk WHERE min_stok > stok;
+----+-----+-----+-----+-----+-----+-----+-----+
| id | kode | nama      | harga_beli | harga_jual | stok | min_stok | jenis_produk_id |
+----+-----+-----+-----+-----+-----+-----+-----+
| 6  | TK01 | Teh Kotak | 3000       | 4000       | 2    | 10       | 3               |
+----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.000 sec)
```

4. Tampilkan data pelanggan mulai dari yang paling muda

```
SELECT * FROM pelanggan ORDER BY tgl_lahir DESC;
```

```
MariaDB [dbtoko]> SELECT * FROM pelanggan ORDER BY tgl_lahir DESC;
+----+-----+-----+-----+-----+-----+-----+-----+-----+
| id | kode | nama_pelanggan | jk | tmp_lahir | tgl_lahir | email                | kartu_id | alamat                |
+----+-----+-----+-----+-----+-----+-----+-----+-----+
| 6  | 011106 | Gayatri Putri  | P  | Jakarta   | 2002-09-01 | gayatri@gmail.com    | 1        | Jalan Sudirman        |
| 3  | 011103 | Sekar          | P  | Kediri    | 2001-09-08 | sekar@gmail.com      | 1        | Jalan Kediri Jaya     |
| 5  | 011105 | Pradana        | L  | Jakarta   | 2001-08-01 | pradana@gmail.com    | 2        | Jalan Kemang          |
| 2  | 011102 | Pandan Wangi   | P  | Yogyakarta | 1998-08-07 | pandan@gmail.com     | 2        | Jalan Malioboro       |
| 4  | 011104 | Suandi         | L  | Jakarta   | 1997-09-08 | suandi@gmail.com     | 1        | Jalan Kediri Jaya     |
| 1  | 011101 | Agung         | L  | Bandung   | 1997-09-06 | agung@gmail.com      | 1        | Jalan Braga           |
+----+-----+-----+-----+-----+-----+-----+-----+-----+
6 rows in set (0.001 sec)
```

5. Tampilkan data pelanggan yang lahirnya di Jakarta dan gendernya perempuan

```
SELECT * FROM pelanggan WHERE tmp_lahir='jakarta' AND jk='P';
```

```
MariaDB [dbtoko]> SELECT * FROM pelanggan WHERE tmp_lahir='jakarta' AND jk='P';
+----+-----+-----+-----+-----+-----+-----+-----+-----+
| id | kode | nama_pelanggan | jk | tmp_lahir | tgl_lahir | email                | kartu_id | alamat                |
+----+-----+-----+-----+-----+-----+-----+-----+-----+
| 6  | 011106 | Gayatri Putri  | P  | Jakarta   | 2002-09-01 | gayatri@gmail.com    | 1        | Jalan Sudirman        |
+----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.001 sec)
```

6. Tampilkan data pelanggan yang ID nya 2, 4 dan 6

```
SELECT * from pelanggan WHERE id IN (2,4,6);
```

```
MariaDB [dbtoko]> SELECT * from pelanggan WHERE id IN (2,4,6);
+----+-----+-----+-----+-----+-----+-----+-----+-----+
| id | kode | nama_pelanggan | jk | tmp_lahir | tgl_lahir | email                | kartu_id | alamat                |
+----+-----+-----+-----+-----+-----+-----+-----+-----+
| 2  | 011102 | Pandan Wangi   | P  | Yogyakarta | 1998-08-07 | pandan@gmail.com     | 2        | Jalan Malioboro       |
| 4  | 011104 | Suandi         | L  | Jakarta   | 1997-09-08 | suandi@gmail.com     | 1        | Jalan Kediri Jaya     |
| 6  | 011106 | Gayatri Putri  | P  | Jakarta   | 2002-09-01 | gayatri@gmail.com    | 1        | Jalan Sudirman        |
+----+-----+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.000 sec)
```

7. Tampilkan data produk yang harganya antara 500 ribu sampai 6 juta

```
SELECT * FROM produk WHERE harga_jual >= 500000 AND harga_jual <= 6000000;
```

```
MariaDB [dbtoko]> SELECT * FROM produk WHERE harga_jual >= 500000 AND harga_jual <= 6000000;
+----+-----+-----+-----+-----+-----+-----+-----+
| id | kode | nama      | harga_beli | harga_jual | stok | min_stok | jenis_produk_id |
+----+-----+-----+-----+-----+-----+-----+-----+
| 1  | TV01 | TV        | 3000000    | 4000000    | 3    | 2        | 1                |
| 2  | TV02 | TV 21 Inch | 2000000    | 3000000    | 10   | 3        | 1                |
| 3  | K001 | Kulkas    | 4000000    | 5000000    | 10   | 3        | 1                |
| 4  | M001 | Meja Makan | 1000000    | 2000000    | 4    | 2        | 4                |
+----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.000 sec)
```

TUGAS Mandiri

SOAL 2.3

1. Tampilkan produk yang kode awalnya huruf K dan huruf M

```
SELECT * FROM produk WHERE kode LIKE 'K%' OR kode LIKE 'M%';
```

```
MariaDB [dbtoko]> SELECT * FROM produk WHERE kode LIKE 'K%' OR kode LIKE 'M%';
+----+-----+-----+-----+-----+-----+-----+-----+
| id | kode | nama      | harga_beli | harga_jual | stok | min_stok | jenis_produk_id |
+----+-----+-----+-----+-----+-----+-----+-----+
| 3  | K001 | Kulkas    | 4000000    | 5000000    | 10   | 3        | 1                |
| 4  | M001 | Meja Makan | 1000000    | 2000000    | 4    | 2        | 4                |
+----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.001 sec)
```

2. Tampilkan produk yang kode awalnya bukan huruf M

```
SELECT * FROM produk WHERE LEFT(kode, 1) <> 'M';
```

```
MariaDB [dbtoko]> SELECT * FROM produk WHERE LEFT(kode, 1) <> 'M';
+----+-----+-----+-----+-----+-----+-----+-----+
| id | kode | nama      | harga_beli | harga_jual | stok | min_stok | jenis_produk_id |
+----+-----+-----+-----+-----+-----+-----+-----+
| 1  | TV01 | TV        | 3000000    | 4000000    | 3    | 2        | 1                |
| 2  | TV02 | TV 21 Inch | 2000000    | 3000000    | 10   | 3        | 1                |
| 3  | K001 | Kulkas    | 4000000    | 5000000    | 10   | 3        | 1                |
| 5  | T001 | Taro      | 4000       | 5000       | 3    | 2        | 2                |
| 6  | TK01 | Teh Kotak | 3000       | 4000       | 2    | 10       | 3                |
+----+-----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.022 sec)
```

3. Tampilkan produk-produk televisi

```
SELECT * FROM produk WHERE nama LIKE '%televise%';
```

```
MariaDB [dbtoko]> SELECT * FROM produk WHERE nama LIKE '%televise%';  
Empty set (0.029 sec)
```

Tapi jika keyword diganti TV

```
SELECT * FROM produk WHERE nama LIKE '%TV%';
```

```
MariaDB [dbtoko]> SELECT * FROM produk WHERE nama LIKE '%TV%';  
+-----+-----+-----+-----+-----+-----+-----+-----+  
| id | kode | nama      | harga_beli | harga_jual | stok | min_stok | jenis_produk_id |  
+-----+-----+-----+-----+-----+-----+-----+-----+  
| 1  | TV01 | TV        | 3000000    | 4000000    | 3    | 2        | 1                |  
| 2  | TV02 | TV 21 Inch | 2000000    | 3000000    | 10   | 3        | 1                |  
+-----+-----+-----+-----+-----+-----+-----+-----+  
2 rows in set (0.001 sec)
```

4. Tampilkan pelanggan mengandung huruf 'SA'

```
SELECT * FROM pelanggan WHERE nama_pelanggan LIKE '%SA%';
```

```
MariaDB [dbtoko]> SELECT * FROM pelanggan WHERE nama_pelanggan LIKE '%SA%';  
Empty set (0.001 sec)
```

5. Tampilkan pelanggan yang lahirnya bukan di Jakarta dan mengandung huruf 'yo'

```
SELECT * FROM pelanggan WHERE tmp_lahir != 'Jakarta' AND nama_pelanggan LIKE '%yo%';
```

```
MariaDB [dbtoko]> SELECT * FROM pelanggan WHERE tmp_lahir != 'Jakarta' AND nama_pelanggan LIKE '%yo%';  
Empty set (0.000 sec)
```

6. Tampilkan pelanggan yang karakter huruf ke – 2 nya adalah A

```
SELECT * FROM pelanggan WHERE SUBSTRING(nama_pelanggan, 2, 1) = 'A';
```

```
MariaDB [dbtoko]> SELECT * FROM pelanggan WHERE SUBSTRING(nama_pelanggan, 2, 1) = 'A';  
+-----+-----+-----+-----+-----+-----+-----+-----+  
| id | kode | nama_pelanggan | jk | tmp_lahir | tgl_lahir | email                | kartu_id | alamat                |  
+-----+-----+-----+-----+-----+-----+-----+-----+  
| 2  | 011102 | Pandan Wangi   | P  | Yogyakarta | 1998-08-07 | pandan@gmail.com     | 2        | Jalan Malioboro       |  
| 6  | 011106 | Gayatri Putri  | P  | Jakarta    | 2002-09-01 | gayatri@gmail.com    | 1        | Jalan Sudirman        |  
+-----+-----+-----+-----+-----+-----+-----+-----+  
2 rows in set (0.001 sec)
```

1. Tampilkan 2 data produk termahal

```
SELECT *FROM produk ORDER BY harga_beli DESC LIMIT 2;
```

```
MariaDB [dbtoko]> SELECT *FROM produk ORDER BY harga_beli DESC LIMIT 2;
+----+-----+-----+-----+-----+-----+-----+-----+
| id | kode | nama   | harga_beli | harga_jual | stok | min_stok | jenis_produk_id |
+----+-----+-----+-----+-----+-----+-----+-----+
| 3  | K001 | Kulkas | 4000000    | 5000000    | 10  | 3        | 1                |
| 1  | TV01 | TV     | 3000000    | 4000000    | 3   | 2        | 1                |
+----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.001 sec)
```

2. Tampilkan produk yang paling murah

```
SELECT * FROM produk ORDER BY harga_beli ASC LIMIT 1;
```

```
MariaDB [dbtoko]> SELECT * FROM produk ORDER BY harga_beli ASC LIMIT 1;
+----+-----+-----+-----+-----+-----+-----+-----+
| id | kode | nama   | harga_beli | harga_jual | stok | min_stok | jenis_produk_id |
+----+-----+-----+-----+-----+-----+-----+-----+
| 6  | TK01 | Teh Kotak | 3000       | 4000       | 2   | 10       | 3                |
+----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.001 sec)
```

3. Tampilkan produk yang stoknya paling banyak

```
SELECT * FROM produk ORDER BY stok DESC LIMIT 1;
```

```
MariaDB [dbtoko]> SELECT * FROM produk ORDER BY stok DESC LIMIT 1;
+----+-----+-----+-----+-----+-----+-----+-----+
| id | kode | nama       | harga_beli | harga_jual | stok | min_stok | jenis_produk_id |
+----+-----+-----+-----+-----+-----+-----+-----+
| 2  | TV02 | TV 21 Inch | 2000000    | 3000000    | 10  | 3        | 1                |
+----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.001 sec)
```

4. Tampilkan dua produk yang stoknya paling sedikit

```
SELECT * FROM produk ORDER BY stok ASC LIMIT 2;
```

```
MariaDB [dbtoko]> SELECT * FROM produk ORDER BY stok ASC LIMIT 2;
+----+-----+-----+-----+-----+-----+-----+-----+
| id | kode | nama   | harga_beli | harga_jual | stok | min_stok | jenis_produk_id |
+----+-----+-----+-----+-----+-----+-----+-----+
| 6  | TK01 | Teh Kotak | 3000       | 4000       | 2   | 10       | 3                |
| 1  | TV01 | TV     | 3000000    | 4000000    | 3   | 2        | 1                |
+----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.001 sec)
```

5. Tampilkan pelanggan yang paling muda

```
SELECT * FROM pelanggan ORDER BY tgl_lahir DESC LIMIT 1;
```

```
MariaDB [dbtoko]> SELECT * FROM pelanggan ORDER BY tgl_lahir DESC LIMIT 1;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| id | kode | nama_pelanggan | jk | tmp_lahir | tgl_lahir | email | kartu_id | alamat |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 6 | 011106 | Gayatri Putri | P | Jakarta | 2002-09-01 | gayatri@gmail.com | 1 | Jalan Sudirman |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.001 sec)
```

6. Tampilkan pelanggan yang paling tua

```
SELECT * FROM pelanggan ORDER BY tgl_lahir ASC LIMIT 1;
```

```
MariaDB [dbtoko]> SELECT * FROM pelanggan ORDER BY tgl_lahir ASC LIMIT 1;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| id | kode | nama_pelanggan | jk | tmp_lahir | tgl_lahir | email | kartu_id | alamat |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | 011101 | Agung | L | Bandung | 1997-09-06 | agung@gmail.com | 1 | Jalan Braga |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.001 sec)
```