

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 [msib_batch7]> SELECT * FROM produk ORDER BY harga DESC;
```

id	kode	nama	harga	stok	idjenis	foto
9	KOD008	Camera DSLR	7000000	3	4	camera.jpg
6	KOD005	Kulkas 2 Pintu	4500000	10	1	kulkas.jpg
1	KOD001	TV LCD 32inch	3000000	5	1	tv.jpg
10	KOD009	Drone	2500000	4	4	drone.jpg
13	KOD012	Tablet	2000000	7	4	tablet.jpg
5	KOD004	laptop	1500000	21	4	laptop.jpg
12	KOD011	Smartwatch	1200000	10	3	smartwatch.jpg
3	KOD002	Meja	1000000	20	2	meja.jpg
4	KOD003	Kursi	500000	15	3	kursi.jpg
8	KOD007	Blender	500000	25	1	blender.jpg
11	KOD010	Headphone	400000	15	3	headphone.jpg
7	KOD006	Panci	200000	30	2	panci.jpg

12 rows in set (0.017 sec)

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

```
MariaDB [msib_batch7]> SELECT * FROM pelanggan;
```

id	kode	nama	tmp_lahir	tgl_lahir
1	PLG001	Dimas Rio	Bandung	1999-05-15
2	PLG002	Hartanto	Depok	2000-04-11
3	PLG003	Argya	Jakarta	2001-03-12
4	PLG004	Dewi Sartika	Semarang	1995-08-29
5	PLG005	Ardika Oktavian	Surabaya	1985-11-25

5 rows in set (0.007 sec)

4. Tampilkan kode,nama,stok dari table produk yang stok-nya hanya 4
SELECT kode,nama, stok from produk WHERE stok=4;

```
MariaDB [msib_batch7]> SELECT kode,nama,stok FROM produk WHERE stok=4;
```

kode	nama	stok
KOD009	Drone	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 [msib_batch7]> SELECT * from pelanggan WHERE tmp_lahir='jakarta';
+-----+-----+-----+-----+-----+
| id | kode | nama | tmp_lahir | tgl_lahir |
+-----+-----+-----+-----+-----+
| 3 | PLG003 | Argya | Jakarta | 2001-03-12 |
+-----+-----+-----+-----+-----+
1 row in set (0.001 sec)
```

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

```
SELECT kode, nama, tmp_lahir, tgl_lahir from pelanggan ORDER BY tgl_lahir DESC;
```

```
MariaDB [msib_batch7]> SELECT kode, nama, tmp_lahir, tgl_lahir from pelanggan ORDER BY tgl_lahir DESC;
+-----+-----+-----+-----+
| kode | nama | tmp_lahir | tgl_lahir |
+-----+-----+-----+-----+
| PLG003 | Argya | Jakarta | 2001-03-12 |
| PLG002 | Hartanto | Depok | 2000-04-11 |
| PLG001 | Dimas Rio | Bandung | 1999-05-15 |
| PLG004 | Dewi Sartika | Semarang | 1995-08-29 |
| PLG005 | Ardika Oktavian | Surabaya | 1985-11-25 |
+-----+-----+-----+-----+
5 rows in set (0.009 sec)
```

SOAL 2.2

1. Tampilkan data produk yang stoknya 3 dan 10

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

```
MariaDB [msib_batch7]> SELECT * from produk WHERE stok=3 OR stok=10;
+-----+-----+-----+-----+-----+-----+-----+
| id | kode | nama | harga | stok | idjenis | foto |
+-----+-----+-----+-----+-----+-----+-----+
| 6 | KOD005 | Kulkas 2 Pintu | 4500000 | 10 | 1 | kulkas.jpg |
| 9 | KOD008 | Camera DSLR | 7000000 | 3 | 4 | camera.jpg |
| 12 | KOD011 | Smartwatch | 1200000 | 10 | 3 | smartwatch.jpg |
+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.006 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 [msib_batch7]> SELECT * FROM produk WHERE harga_jual < 5000000 AND harga_jual > 500000;
+-----+-----+-----+-----+-----+-----+-----+
| id | kode | nama | harga | stok | idjenis | foto |
+-----+-----+-----+-----+-----+-----+-----+
| 1 | KOD001 | TV LCD 32inch | 3000000 | 5 | 1 | tv.jpg |
| 3 | KOD002 | Meja | 1000000 | 20 | 2 | meja.jpg |
| 5 | KOD004 | laptop | 1500000 | 21 | 4 | laptip.jpg |
| 6 | KOD005 | Kulkas 2 Pintu | 4500000 | 10 | 1 | kulkas.jpg |
| 10 | KOD009 | Drone | 2500000 | 4 | 4 | drone.jpg |
| 12 | KOD011 | Smartwatch | 1200000 | 10 | 3 | smartwatch.jpg |
| 13 | KOD012 | Tablet | 2000000 | 7 | 4 | tablet.jpg |
+-----+-----+-----+-----+-----+-----+-----+
7 rows in set (0.001 sec)
```

3. Tampilkan data produk yang harus segera ditambah stoknya

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

```
MariaDB [msib_batch7]> SELECT * FROM produk WHERE stok > stok;  
Empty set (0.001 sec)
```

4. Tampilkan data pelanggan mulai dari yang paling muda

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

```
MariaDB [msib_batch7]> SELECT * FROM pelanggan ORDER BY tgl_lahir DESC;  
+----+-----+-----+-----+-----+  
| id | kode  | nama      | tmp_lahir | tgl_lahir |  
+----+-----+-----+-----+-----+  
| 3  | PLG003 | Argya     | Jakarta   | 2001-03-12 |  
| 2  | PLG002 | Hartanto  | Depok     | 2000-04-11 |  
| 1  | PLG001 | Dimas Rio | Bandung   | 1999-05-15 |  
| 4  | PLG004 | Dewi Sartika | Semarang  | 1995-08-29 |  
| 5  | PLG005 | Ardika Oktavian | Surabaya  | 1985-11-25 |  
+----+-----+-----+-----+-----+  
5 rows in set (0.006 sec)
```

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

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

```
MariaDB [msib_batch7]> SELECT * FROM pelanggan WHERE tmp_lahir='jakarta' AND jenis_kelamin='P';  
+----+-----+-----+-----+-----+-----+  
| id | kode  | nama      | tmp_lahir | tgl_lahir | jenis_kelamin |  
+----+-----+-----+-----+-----+-----+  
| 3  | PLG003 | Argya     | Jakarta   | 2001-03-12 | P              |  
+----+-----+-----+-----+-----+-----+  
1 row in set (0.002 sec)
```

Tampilkan data pelanggan yang ID nya 2, 4 dan 6

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

```
MariaDB [msib_batch7]> SELECT * from pelanggan WHERE id IN (2,4,6);  
+----+-----+-----+-----+-----+-----+  
| id | kode  | nama      | tmp_lahir | tgl_lahir | jenis_kelamin |  
+----+-----+-----+-----+-----+-----+  
| 2  | PLG002 | Hartanto  | Depok     | 2000-04-11 | L              |  
| 4  | PLG004 | Dewi Sartika | Semarang  | 1995-08-29 | P              |  
| 6  | PLG006 | Rini Hartati | Medan     | 1991-02-05 | P              |  
+----+-----+-----+-----+-----+-----+  
3 rows in set (0.008 sec)
```

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

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

```
MariaDB [msib_batch7]> SELECT * FROM produk WHERE harga >= 500000 AND harga<= 6000000;
```

id	kode	nama	harga	stok	idjenis	foto
1	KOD001	TV LCD 32inch	3000000	5	1	tv.jpg
3	KOD002	Meja	1000000	20	2	meja.jpg
4	KOD003	Kursi	500000	15	3	kursi.jpg
5	KOD004	laptop	1500000	21	4	laptop.jpg
6	KOD005	Kulkas 2 Pintu	4500000	10	1	kulkas.jpg
8	KOD007	Blender	500000	25	1	blender.jpg
10	KOD009	Drone	2500000	4	4	drone.jpg
12	KOD011	Smartwatch	1200000	10	3	smartwatch.jpg
13	KOD012	Tablet	2000000	7	4	tablet.jpg

```
9 rows in set (0.001 sec)
```

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 [msib_batch7]> SELECT * FROM produk WHERE kode LIKE 'K%' OR kode LIKE 'M%';
```

id	kode	nama	harga	stok	idjenis	foto
1	KOD001	TV LCD 32inch	3000000	5	1	tv.jpg
3	KOD002	Meja	1000000	20	2	meja.jpg
4	KOD003	Kursi	500000	15	3	kursi.jpg
5	KOD004	laptop	1500000	21	4	laptop.jpg
6	KOD005	Kulkas 2 Pintu	4500000	10	1	kulkas.jpg
7	KOD006	Panci	200000	30	2	panci.jpg
8	KOD007	Blender	500000	25	1	blender.jpg
9	M001	Camera DSLR	7000000	3	4	camera.jpg
10	M002	Drone	2500000	4	4	drone.jpg
11	M003	Headphone	400000	15	3	headphone.jpg
12	M004	Smartwatch	1200000	10	3	smartwatch.jpg
13	KOD012	Tablet	2000000	7	4	tablet.jpg

```
12 rows in set (0.008 sec)
```

2. Tampilkan produk yang kode awalnya bukan huruf M

```
MariaDB [msib_batch7]> SELECT * FROM produk WHERE kode NOT LIKE 'M%';
```

id	kode	nama	harga	stok	idjenis	foto
1	KOD001	TV LCD 32inch	3000000	5	1	tv.jpg
3	KOD002	Meja	1000000	20	2	meja.jpg
4	KOD003	Kursi	500000	15	3	kursi.jpg
5	KOD004	laptop	1500000	21	4	laptop.jpg
6	KOD005	Kulkas 2 Pintu	4500000	10	1	kulkas.jpg
7	KOD006	Panci	200000	30	2	panci.jpg
8	KOD007	Blender	500000	25	1	blender.jpg
13	KOD012	Tablet	2000000	7	4	tablet.jpg

```
8 rows in set (0.008 sec)
```

3. Tampilkan produk-produk televisi

```
MariaDB [msib_batch7]> SELECT * FROM produk WHERE nama LIKE '%TV%';
```

id	kode	nama	harga	stok	idjenis	foto
1	KOD001	TV LCD 32inch	3000000	5	1	tv.jpg

```
1 row in set (0.002 sec)
```

4. Tampilkan pelanggan mengandung huruf 'SA'

```
MariaDB [msib_batch7]> SELECT * FROM pelanggan WHERE nama LIKE '%SA%';
+-----+-----+-----+-----+-----+-----+
| id | kode | nama      | tmp_lahir | tgl_lahir | jenis_kelamin |
+-----+-----+-----+-----+-----+-----+
| 4 | PLG004 | Dewi Sartika | Semarang | 1995-08-29 | P              |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.009 sec)
```

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

```
MariaDB [msib_batch7]> SELECT * FROM pelanggan WHERE tmp_lahir <> 'Jakarta' AND nama LIKE '%yo%';
+-----+-----+-----+-----+-----+-----+
| id | kode | nama      | tmp_lahir | tgl_lahir | jenis_kelamin |
+-----+-----+-----+-----+-----+-----+
| 7 | PLG009 | Yoni Setiawan | Bandung | 1990-01-15 | P              |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.001 sec)
```

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

```
MariaDB [msib_batch7]> SELECT * FROM pelanggan WHERE SUBSTRING(nama, 2,1)= 'A';
+-----+-----+-----+-----+-----+-----+
| id | kode | nama      | tmp_lahir | tgl_lahir | jenis_kelamin |
+-----+-----+-----+-----+-----+-----+
| 2 | PLG002 | Hartanto | Depok    | 2000-04-11 | L              |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.001 sec)
```

SOAL 2.4

1. Tampilkan 2 data produk termahal

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

```
MariaDB [msib_batch7]> SELECT *FROM produk ORDER BY harga DESC LIMIT 2;
+-----+-----+-----+-----+-----+-----+-----+
| id | kode | nama      | harga | stok | idjenis | foto      |
+-----+-----+-----+-----+-----+-----+-----+
| 9 | M001 | Camera DSLR | 7000000 | 3 | 4 | camera.jpg |
| 6 | KOD005 | Kulkas 2 Pintu | 4500000 | 10 | 1 | kulkas.jpg |
+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.001 sec)
```

2. Tampilkan produk yang paling murah

```
MariaDB [msib_batch7]> SELECT * FROM produk ORDER BY harga ASC LIMIT 1;
+-----+-----+-----+-----+-----+-----+-----+
| id | kode | nama | harga | stok | idjenis | foto      |
+-----+-----+-----+-----+-----+-----+-----+
| 7 | KOD006 | Panci | 200000 | 30 | 2 | panci.jpg |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.021 sec)
```

3. Tampilkan produk yang stoknya paling banyak

```
MariaDB [msib_batch7]> SELECT * FROM produk ORDER BY stok DESC LIMIT 1;
+-----+-----+-----+-----+-----+-----+-----+
| id | kode | nama | harga | stok | idjenis | foto |
+-----+-----+-----+-----+-----+-----+-----+
| 7 | KOD006 | Panci | 200000 | 30 | 2 | panci.jpg |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.006 sec)
```

4. Tampilkan dua produk yang stoknya paling sedikit

```
MariaDB [msib_batch7]> SELECT * FROM produk ORDER BY stok ASC LIMIT 2;
+-----+-----+-----+-----+-----+-----+-----+
| id | kode | nama | harga | stok | idjenis | foto |
+-----+-----+-----+-----+-----+-----+-----+
| 9 | M001 | Camera DSLR | 7000000 | 3 | 4 | camera.jpg |
| 10 | M002 | Drone | 2500000 | 4 | 4 | drone.jpg |
+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.003 sec)
```

5. Tampilkan pelanggan yang paling muda

```
MariaDB [msib_batch7]> SELECT * FROM pelanggan ORDER BY tgl_lahir DESC LIMIT 1;
+-----+-----+-----+-----+-----+-----+
| id | kode | nama | tmp_lahir | tgl_lahir | jenis_kelamin |
+-----+-----+-----+-----+-----+-----+
| 3 | PLG003 | Argya | Jakarta | 2001-03-12 | P |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.015 sec)
```

6. Tampilkan pelanggan yang paling tua

```
MariaDB [msib_batch7]> SELECT * FROM pelanggan ORDER BY tgl_lahir ASC LIMIT 1;
+-----+-----+-----+-----+-----+-----+
| id | kode | nama | tmp_lahir | tgl_lahir | jenis_kelamin |
+-----+-----+-----+-----+-----+-----+
| 5 | PLG005 | Ardika Oktavian | Surabaya | 1985-11-25 | L |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.002 sec)
```

Note:

ASC untuk urutan naik (dari terkecil ke terbesar), sedangkan DESC untuk urutan turun (dari terbesar ke terkecil).