TUGAS 3 NF ACADEMY
FULLSTACK WEB DEVELOPER
'Database MySQL/MariaDB'

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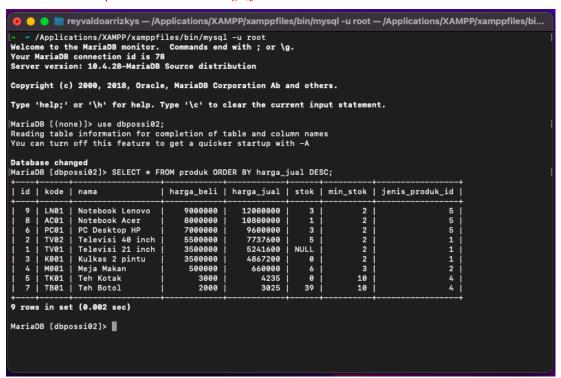NIM   : 0110222213
Prodi/Kampus : Teknik Informatika STT Terpadu Nurul Fikri

SOAL

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;*

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

   Select kode, nama, tmp_lahir, tgl_lahir from pelanggan;

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

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

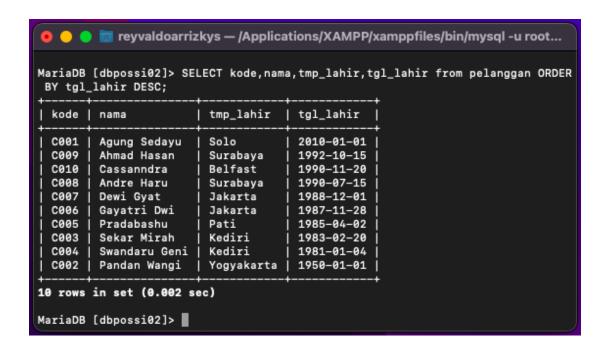5. Tampilkan seluruh data pelanggan yang tempat lahirnya Jakarta

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

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 [dbpossi02]> SELECT kode,nama,tmp_lahir,tgl_lahir from pelanggan ORDER
 BY tgl_lahir DESC;
+------+----------------+------------+------------+
| kode | nama           | tmp_lahir  | tgl_lahir  |
+------+----------------+------------+------------+
| C001 | Agung Sedayu   | Solo       | 2010-01-01 |
| C009 | Ahmad Hasan    | Surabaya   | 1992-10-15 |
| C010 | Cassanndra     | Belfast    | 1990-11-20 |
| C008 | Andre Haru     | Surabaya   | 1990-07-15 |
| C007 | Dewi Gyat      | Jakarta    | 1988-12-01 |
| C006 | Gayatri Dwi    | Jakarta    | 1987-11-28 |
| C005 | Pradabashu     | Pati       | 1985-04-02 |
| C003 | Sekar Mirah    | Kediri     | 1983-02-20 |
| C004 | Swandaru Geni  | Kediri     | 1981-01-04 |
| C002 | Pandan Wangi   | Yogyakarta | 1950-01-01 |
+------+----------------+------------+------------+
10 rows in set (0.002 sec)

MariaDB [dbpossi02]>
```

SOAL 2.2

1. Tampilkan data produk yang stoknya 3 dan 10

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


```
MariaDB [dbpossi02]> SELECT * from produk WHERE stok=3 OR stok=10;
+----+------+----------------+------------+------------+------+----------+-----------------+
| id | kode | nama           | harga_beli | harga_jual | stok | min_stok | jenis_produk_id |
+----+------+----------------+------------+------------+------+----------+-----------------+
|  6 | PC01 | PC Desktop HP  |    7000000 |    9600000 |    3 |        2 |               5 |
|  9 | LN01 | Notebook Lenovo|    9000000 |   12000000 |    3 |        2 |               5 |
+----+------+----------------+------------+------------+------+----------+-----------------+
2 rows in set (0.008 sec)

MariaDB [dbpossi02]>
```

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 [dbpossi02]> SELECT * FROM produk WHERE harga_jual < 5000000 AND harga_jual > 500000; ]
+----+------+----------------+------------+------------+------+----------+-----------------+
| id | kode | nama           | harga_beli | harga_jual | stok | min_stok | jenis_produk_id |
+----+------+----------------+------------+------------+------+----------+-----------------+
|  3 | K001 | Kulkas 2 pintu |    3500000 |    4867200 |    0 |        2 |               1 |
|  4 | M001 | Meja Makan     |     500000 |     660000 |    6 |        3 |               2 |
+----+------+----------------+------------+------------+------+----------+-----------------+
2 rows in set (0.006 sec)

MariaDB [dbpossi02]>
```

3. Tampilkan data produk yang harus segera ditambah stoknya

SELECT * FROM produk WHERE min_stok > stok;

```
[MariaDB [dbpossi02]> SELECT * FROM produk WHERE min_stok > stok;
+----+------+---------------+------------+------------+------+----------+-----------------+
| id | kode | nama          | harga_beli | harga_jual | stok | min_stok | jenis_produk_id |
+----+------+---------------+------------+------------+------+----------+-----------------+
|  3 | K001 | Kulkas 2 pintu|    3500000 |    4867200 |    0 |        2 |               1 |
|  5 | TK01 | Teh Kotak     |       3000 |       4235 |    0 |       10 |               4 |
|  8 | AC01 | Notebook Acer |    8000000 |   10800000 |    1 |        2 |               5 |
+----+------+---------------+------------+------------+------+----------+-----------------+
3 rows in set (0.001 sec)

MariaDB [dbpossi02]>
```

4. Tampilkan data pelanggan mulai dari yang paling muda

SELECT * FROM pelanggan ORDER BY tgl_lahir DESC;

```
MariaDB [dbpossi02]> SELECT * FROM pelanggan ORDER BY tgl_lahir DESC;
+----+------+---------------+----+------------+------------+----------------------+----------+
| id | kode | nama          | jk | tmp_lahir  | tgl_lahir  | email                | kartu_id |
+----+------+---------------+----+------------+------------+----------------------+----------+
|  1 | C001 | Agung Sedayu  | L  | Solo       | 2010-01-01 | sedayu@gmail.com     |        1 |
|  9 | C009 | Ahmad Hasan   | L  | Surabaya   | 1992-10-15 | ahasan@gmail.com     |        4 |
| 10 | C010 | Cassanndra    | P  | Belfast    | 1990-11-20 | casa90@gmail.com     |        1 |
|  8 | C008 | Andre Haru    | L  | Surabaya   | 1990-07-15 | andre.haru@gmail.com |        4 |
|  7 | C007 | Dewi Gyat     | P  | Jakarta    | 1988-12-01 | giyat@gmail.com      |        1 |
|  6 | C006 | Gayatri Dwi   | P  | Jakarta    | 1987-11-28 | gaya87@gmail.com     |        1 |
|  5 | C005 | Pradabashu    | L  | Pati       | 1985-04-02 | prada85@gmail.com    |        2 |
|  3 | C003 | Sekar Mirah   | P  | Kediri     | 1983-02-20 | mirah@yahoo.com      |        1 |
|  4 | C004 | Swandaru Geni | L  | Kediri     | 1981-01-04 | swandaru@yahoo.com   |        4 |
|  2 | C002 | Pandan Wangi  | P  | Yogyakarta | 1950-01-01 | wangi@gmail.com      |        2 |
+----+------+---------------+----+------------+------------+----------------------+----------+
10 rows in set (0.002 sec)

MariaDB [dbpossi02]>
```

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

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

```
10 rows in set (0.002 sec)

MariaDB [dbpossi02]> SELECT * FROM pelanggan WHERE tmp_lahir='jakarta' AND jk='P';
+----+------+-------------+----+-----------+------------+------------------+----------+
| id | kode | nama        | jk | tmp_lahir | tgl_lahir  | email            | kartu_id |
+----+------+-------------+----+-----------+------------+------------------+----------+
|  6 | C006 | Gayatri Dwi | P  | Jakarta   | 1987-11-28 | gaya87@gmail.com |        1 |
|  7 | C007 | Dewi Gyat   | P  | Jakarta   | 1988-12-01 | giyat@gmail.com  |        1 |
+----+------+-------------+----+-----------+------------+------------------+----------+
2 rows in set (0.002 sec)

MariaDB [dbpossi02]>
```

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

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

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

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

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%';

2. Tampilkan produk yang kode awalnya bukan huruf M

SELECT * FROM produk WHERE kode NOT LIKE 'M%';

3. Tampilkan produk-produk televisi

SELECT * FROM produk WHERE nama LIKE '%televisi%';

4. Tampilkan pelanggan mengandung huruf 'SA'

SELECT * FROM pelanggan WHERE nama LIKE '%SA%';

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

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

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

SELECT * FROM pelanggan WHERE nama LIKE '_A%';

SOAL 2.4

1. Tampilkan 2 data produk termahal

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

2. Tampilkan produk yang paling murah

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

3. Tampilkan produk yang stoknya paling banyak

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

4. Tampilkan dua produk yang stoknya paling sedikit

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

5. Tampilkan pelanggan yang paling muda

SELECT * FROM pelanggan ORDER BY tgl_lahir DESC LIMIT 1;

6. Tampilkan pelanggan yang paling tua

SELECT * FROM pelanggan ORDER BY tgl_lahir ASC LIMIT 1;