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

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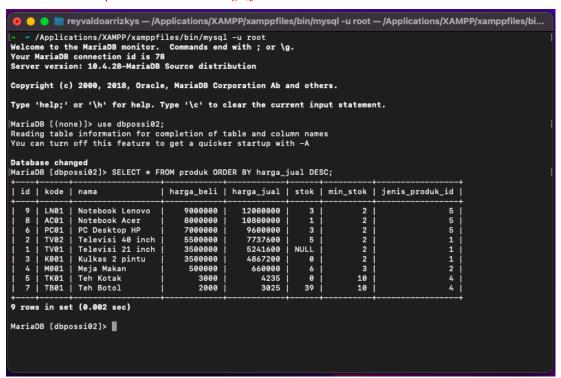
Prodi/Kampus: Teknik Informatika STT Terpadu Nurul Fikri

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;

```
📷 reyvaldoarrizkys — /Applications/XAMPP/xamppfiles/bin/mysql -u root...
MariaDB [dbpossi02] > SELECT kode, nama, tmp_lahir, tgl_lahir from pelanggan;
                          tmp_lahir
                                        tgl_lahir
  kode
  C001
                                        2010-01-01
         Agung Sedayu
                          Solo
  C002
         Pandan Wangi
                          Yogyakarta
                                        1950-01-01
         Sekar Mirah
                          Kediri
  C003
                                        1983-02-20
  C004
         Swandaru Geni
                          Kediri
                                        1981-01-04
  C005
         Pradabashu
                                        1985-04-02
                          Pati
                                        1987-11-28
  C006
         Gayatri Dwi
                          Jakarta
  C007
         Dewi Gyat
                          Jakarta
                                        1988-12-01
  C008
         Andre Haru
                          Surabaya
                                        1990-07-15
  C009
                                        1992-10-15
         Ahmad Hasan
                          Surabaya
  C010
         Cassanndra
                          Belfast
                                        1990-11-20
10 rows in set (0.001 sec)
MariaDB [dbpossi02]>
```

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

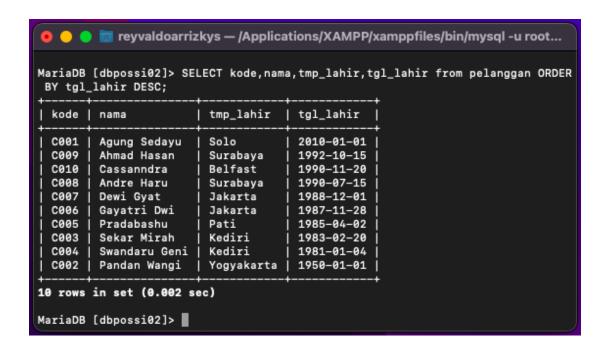
```
■ reyvaldoarrizkys — /Applications/XAMPP/xamppfiles/bin/mysql -u root...
[MariaDB [dbpossi02]> SELECT kode,nama,stok from produk WHERE stok=4; Empty set (0.001 sec)
MariaDB [dbpossi02]> ■
```

5. Tampilkan seluruh data pelanggan yang tempat lahirnya Jakarta SELECT * from pelanggan WHERE tmp_lahir='jakarta';

```
🧿 🔵 🏮 📆 reyvaldoarrizkys — /Applications/XAMPP/xamppfiles/bin/mysql -u root — /Applicatio...
MariaDB [dbpossi02]> SELECT * from pelanggan WHERE tmp_lahir='jakarta';
 id |
       kode | nama
                           | jk
                                  | tmp_lahir | tgl_lahir
                                                                                 kartu_id |
       C006
              Gayatri Dwi
                            Ρ
                                                1987-11-28
                                                              gaya87@gmail.com
                                    Jakarta
                                                1988-12-01
                                                                                         1
       C007
              Dewi Gyat
                                    Jakarta
                                                              giyat@gmail.com
2 rows in set (0.002 sec)
MariaDB [dbpossi02]>
```

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

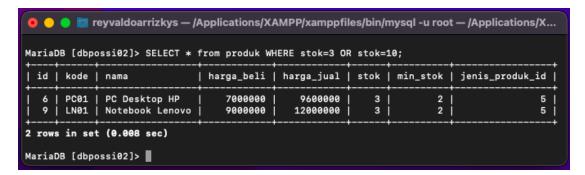
SELECT kode, nama, tmp_lahir, tgl_lahir from pelanggan ORDER BY tgl_lahir DESC:



SOAL 2.2

1. Tampilkan data produk yang stoknya 3 dan 10

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



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;

```
📷 reyvaldoarrizkys — /Applications/XAMPP/xamppfiles/bin/mysql -u root — /Applications/X...
MariaDB [dbpossi02]> SELECT * FROM produk WHERE harga_jual < 5000000 AND harga_jual > 500000;
 id |
       kode |
                               harga_beli
                                             harga_jual | stok |
                                                                 min_stok |
                                                                             jenis_produk_id |
              Kulkas 2 pintu
              Meja Makan
                                    500000
                                                 660000
                                                                         3
                                                                                            2
       M001
 rows in set (0.006 sec)
MariaDB [dbpossi02]>
```

3. Tampilkan data produk yang harus segera ditambah stoknya

SELECT * FROM produk WHERE min_stok > stok;

id kode	+ e nama	+	+			
		harga_beli	harga_jual	stok	min_stok	jenis_produk_id
3 K001 5 TK01	+ L Kulkas 2 pintu L Teh Kotak	3500000 3000	4867200 4235	0	2 10	1 4
8 AC01	L Notebook Acer	8000000	10800000	1	2	5

4. Tampilkan data pelanggan mulai dari yang paling muda

SELECT * FROM pelanggan ORDER BY tgl_lahir DESC;

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

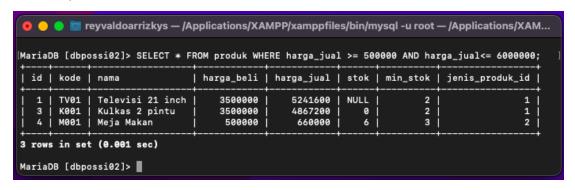
5. Tampilkan data pelanggan yang lahirnya di Jakarta dan gendernya perempuan SELECT * FROM pelanggan WHERE tmp_lahir='jakarta' AND jk='P';

```
🌔 📘 reyvaldoarrizkys — /Applications/XAMPP/xamppfiles/bin/mysql -u root — /Application...
10 rows in set (0.002 sec)
MariaDB [dbpossi02]> SELECT * FROM pelanggan WHERE tmp_lahir='jakarta' AND jk='P';
       kode
                              jk
                                    | tmp_lahir | tgl_lahir
                                                                                      kartu_id |
               Gayatri Dwi | P
Dewi Gyat | P
                                                   1987-11-28 |
1988-12-01 |
       C006
                                      Jakarta
                                                                 gaya87@gmail.com
                                                                                              1
       C007
                                      Jakarta
                                                                 giyat@gmail.com
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);

```
📷 reyvaldoarrizkys — /Applications/XAMPP/xamppfiles/bin/mysql -u root — /Applications/XAM...
MariaDB [dbpossi02]> SELECT * from pelanggan WHERE id IN (2,4,6);
 id
      kode
                                    | tmp_lahir
                                                  | tgl_lahir
                                                                                       kartu_id |
       C002
              Pandan Wangi
                                      Yogyakarta
                                                    1950-01-01
                                                                 wangi@gmail.com
       C004
              Swandaru Geni
                               L
P
                                      Kediri
                                                    1981-01-04
                                                                 swandaru@yahoo.com
                                                                                               4
              Gayatri Dwi
       C006
                                                    1987-11-28
                                                                                               1
                                      Jakarta
                                                                 gaya87@gmail.com
3 rows in set (0.003 sec)
MariaDB [dbpossi02]>
```

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%';

```
🧕 🔵 🏮 🛅 reyvaldoarrizkys — /Applications/XAMPP/xamppfiles/bin/mysql -u root — /Applications/XAM...
MariaDB [dbpossi02]> SELECT * FROM produk WHERE kode LIKE 'K%' OR kode LIKE 'M%';
| id |
                              | harga_beli | harga_jual | stok | min_stok | jenis_produk_id |
      kode I nama
                                   3500000
                                                 4867200
                                                                                            1 |
2 |
       K001
              Kulkas 2 pintu
                                                                          2
3
       M001
              Meja Makan
                                    500000
                                                  660000
                                                              6
2 rows in set (0.011 sec)
MariaDB [dbpossi02]>
```

2. Tampilkan produk yang kode awalnya bukan huruf M SELECT * FROM produk WHERE kode NOT LIKE 'M%';

```
🧿 🔵 🥛 🛅 reyvaldoarrizkys — /Applications/XAMPP/xamppfiles/bin/mysql -u root — /Applications/XAM...
[MariaDB [dbpossi02]> SELECT * FROM produk WHERE kode NOT LIKE 'M%';
 id
                                   harga_beli | harga_jual | stok | min_stok
       kode l
                                                                                   jenis_produk_id |
               Televisi 21 inch
Televisi 40 inch
       TV01
                                       3500000
                                                     5241600
                                                               NULL
                                                                                                  1
   2
                                       5500000
                                                     7737600
                                                                               2
                                                                                                  1
       TV02
                                                                   5
               Kulkas 2 pintu
       K001
                                       3500000
                                                     4867200
                                                                   0
                                                                                                  1
   5
       TK01
               Teh Kotak
                                          3000
                                                        4235
                                                                   0
                                                                              10
                                                                                                  5
       PC01
               PC Desktop HP
                                       7000000
                                                     9600000
                                                                   3
                                                                              2
       TB01
               Teh Botol
                                          2000
                                                        3025
                                                                  39
                                                                              10
                                       8000000
       AC01
               Notebook Acer
                                                    10800000
                                                                   3
       LN01
              Notebook Lenovo
                                       9000000
                                                    12000000
                                                                                                  5
  rows in set (0.001 sec)
MariaDB [dbpossi02]>
```

3. Tampilkan produk-produk televisi

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

```
🔵 📘 reyvaldoarrizkys — /Applications/XAMPP/xamppfiles/bin/mysql -u root — /Applications/XAM...
MariaDB [dbpossi02]> SELECT * FROM produk WHERE nama LIKE '%televisi%';
 id |
       kode
                                  harga_beli |
                                               harga_jual
                                                             stok | min_stok
                                                                                jenis_produk_id |
              nama
       TV01
              Televisi 21 inch
                                     3500000
                                                   5241600
                                                             NULL
                                                                            2
              Televisi 40 inch
                                     5500000
                                                   7737600
                                                                            2
                                                                                              1
       TV02
                                                                5
2 rows in set (0.001 sec)
MariaDB [dbpossi02]>
```

4. Tampilkan pelanggan mengandung huruf 'SA'

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

```
📘 reyvaldoarrizkys — /Applications/XAMPP/xamppfiles/bin/mysql -u root — /Applications/XAM...
[MariaDB [dbpossi02]> SELECT * FROM pelanggan WHERE nama LIKE '%SA%';
| id | kode | nama
                            jk
                                  | tmp_lahir | tgl_lahir | email
                                                                                | kartu id |
       C009
              Ahmad Hasan
                                    Surabaya
                                                1992-10-15
                                                              ahasan@gmail.com
  10
       C010
              Cassanndra
                                                1990-11-20
                                                                                        1
                                    Belfast
                                                              casa90@gmail.com
2 rows in set (0.006 sec)
MariaDB [dbpossi02]>
```

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

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

```
● ● ■ reyvaldoarrizkys — /Applications/XAMPP/xamppfiles/bin/mysql -u root — /Applications/XAM...

[MariaDB [dbpossi02]> SELECT * FROM pelanggan WHERE tmp_lahir != 'Jakarta' AND nama LIKE '%yo%'; ]

Empty set (0.001 sec)

MariaDB [dbpossi02]>
```

6. Tampilkan pelanggan yang karakter huruf ke – 2 nya adalah A SELECT * FROM pelanggan WHERE nama LIKE '_A%';

```
👅 reyvaldoarrizkys — /Applications/XAMPP/xamppfiles/bin/mysql -u root — /Applications/XAMPP/xam...
MariaDB [dbpossi02]> SELECT * FROM pelanggan WHERE nama LIKE '_A%';
                             jk
                                     tmp_lahir
                                                  tgl_lahir
                                                                                    kartu_id |
              Pandan Wangi
                                                   1950-01-01
       C002
                                     Yogyakarta
                                                                wangi@gmail.com
                                                                gaya87@gmail.com
       C006
              Gayatri Dwi
                              P
P
                                                   1987-11-28
                                     Jakarta
       C010
              Cassanndra
                                     Belfast
                                                   1990-11-20
                                                                casa90@gmail.com
3 rows in set (0.001 sec)
MariaDB [dbpossi02]>
```

SOAL 2.4

1. Tampilkan 2 data produk termahal

SELECT *FROM produk ORDER BY harga_beli DESC LIMIT 2;

```
🧿 🔵 🥫 reyvaldoarrizkys — /Applications/XAMPP/xamppfiles/bin/mysql -u root — /Applications/XAM...
MariaDB [dbpossi02]> SELECT *FROM produk ORDER BY harga_beli DESC LIMIT 2;
                                harga_beli | harga_jual | stok
                                                                | min_stok
      kode
                                                                             jenis_produk_id |
       LN01
              Notebook Lenovo
                                   9000000
                                                12000000
       AC01
              Notebook Acer
                                   8000000
                                                10800000
 rows in set (0.000 sec)
MariaDB [dbpossi02]>
```

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;

```
🧿 🔵 🥫 Teyvaldoarrizkys — /Applications/XAMPP/xamppfiles/bin/mysql -u root — /Applications/XAM...
[MariaDB [dbpossi02]> SELECT * FROM produk ORDER BY stok ASC LIMIT 2;
                               | harga_beli | harga_jual | stok | min_stok | jenis_produk_id |
| id | kode | nama
       TV01
              Televisi 21 inch
                                    3500000
                                                 5241600
                                                           NULL
                                                                         2
                                                                                            1
                                    3500000
      K001
              Kulkas 2 pintu
                                                 4867200
2 rows in set (0.001 sec)
MariaDB [dbpossi02]>
```

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;