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Kelas : E

Modul 6

Latihan

```
File Actions Edit View Help
hudi@kali: ~
MariaDB [perbankan]> select nama_cabang, alamat_cabang from cabang_bank order by nama_cabang;
+-----+-----+
| nama_cabang | alamat_cabang |
+-----+-----+
| Bank Rut Unit Aceh | Jl. Garox 69 |
| Bank Rut Unit Boyolali | Jl. Ahmad Yani 45 |
| Bank Rut Unit Cirebon | Jl. Indah 25 |
| Bank Rut Unit Denpasar | Jl. Ripper 23 |
| Bank Rut Unit Grobogan | Jl. Awan Biru 21 |
| Bank Rut Unit Indramayu | Jl. Suropati 2 |
| Bank Rut Unit Jakarta | Jl. Puspita 18 |
| Bank Rut Unit Klaten | Jl. Suparman 23 |
| Bank Rut Unit Lamongan | Jl. Samarinda 33 |
| Bank Rut Unit Pekalongan | Jl. Slamet 1 |
| Bank Rut Unit Riasu | Jl. Tiga Roda 27 |
| Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18 |
| Bank Rut Unit Tuban | Jl. Germa 66 |
| Bank Rut Unit Wonogiri | Jl. Untung Suropati 12 |
| Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+
15 rows in set (0.000 sec)
```

```
MariaDB [perbankan]> select no_rekening, pin, saldo from rekening order by saldo desc;
+-----+-----+-----+
| no_rekening | pin | saldo |
+-----+-----+-----+
| 108 | 0 | 5000000 |
| 123 | 2110 | 3500000 |
| 115 | 2334 | 3500000 |
| 106 | 6666 | 3000000 |
| 121 | 4322 | 2500000 |
| 105 | 5555 | 2000000 |
| 119 | 6554 | 2000000 |
| 114 | 1223 | 1500000 |
| 118 | 5667 | 1500000 |
| 120 | 5443 | 1200000 |
| 107 | 7777 | 1000000 |
| 104 | 4444 | 900000 |
| 122 | 3221 | 800000 |
| 116 | 3445 | 750000 |
| 110 | 1234 | 550000 |
| 117 | 4556 | 500000 |
| 101 | 1111 | 500000 |
| 102 | 2222 | 350000 |
| 112 | 123 | 300000 |
| 113 | 8888 | 255000 |
| 111 | 4321 | 150000 |
| 103 | 3333 | 75000 |
| 109 | 9999 | 0 |
+-----+-----+-----+
23 rows in set (0.001 sec)
```

```
MariaDB [perbankan]> select no_rekening, pin, saldo from rekening order by saldo desc;
+-----+-----+-----+
| no_rekening | pin | saldo |
+-----+-----+-----+
| 108 | 0 | 5000000 |
| 123 | 2110 | 3500000 |
| 115 | 2334 | 3500000 |
| 106 | 6666 | 3000000 |
| 121 | 4322 | 2500000 |
| 105 | 5555 | 2000000 |
| 119 | 6554 | 2000000 |
| 114 | 1223 | 1500000 |
| 118 | 5667 | 1500000 |
| 120 | 5443 | 1200000 |
| 107 | 7777 | 1000000 |
| 104 | 4444 | 900000 |
| 122 | 3221 | 800000 |
| 116 | 3445 | 750000 |
| 110 | 1234 | 550000 |
| 117 | 4556 | 500000 |
| 101 | 1111 | 500000 |
| 102 | 2222 | 350000 |
| 112 | 123 | 300000 |
| 113 | 8888 | 255000 |
| 111 | 4321 | 150000 |
| 103 | 3333 | 75000 |
| 109 | 9999 | 0 |
+-----+-----+-----+
23 rows in set (0.001 sec)
```

Tugas

Nomor 1

```
File Actions Edit View Help
hudikali:~$ sudo su
[sudo] password for hudi:
root@kali:~# mysql
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 41
Server version: 10.3.22-MariaDB-1 Debian build-1 unstable

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use perbankan;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
MariaDB [perbankan]> select nama_nasabah, alamat_nasabah from nasabah order by nama_nasabah;
+-----+-----+
| nama_nasabah | alamat_nasabah |
+-----+-----+
| Budi Eko Prayogo | Jl. Kantil 30 |
| Budi Murtono | Jl. Merak 22 |
| Canka Lokanata | Jl. Tidar 86 |
| Dante | Jl. Tunas Bangsa 10 |
| David | Jl. Menuju Surga 11 |
| Herman | Jl. Cempaka 12 |
| Johnny | Jl. Sesat 666 |
| Juned Saputra | Jl. Masih Panjang 15 |
| Kartika Padmasari | Jl. Manggis 15 |
| Maryati | Jl. MT. Haryono 31 |
| Putra Aladin | Solo |
| Qodirkun | Solo |
| Rahmat | Jl. gajahmada 15 |
| Sari Murti | Jl. Pangandaran 11 |
| Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| Suparman | Jl. Hasanudin 81 |
| Sutopo | Jl. Jendral Sudirman 12 |
| Toddy | Jl. Kencana 21 |
| Zainudin | Jl. Abadi 12 |
+-----+-----+
19 rows in set (0.000 sec)
```

Nomor 2 dan 3

```
File Actions Edit View Help
hudikali:~$ sudo su
[sudo] password for hudi:
root@kali:~# mysql
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 41
Server version: 10.3.22-MariaDB-1 Debian build-1 unstable

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use perbankan;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
MariaDB [perbankan]> select jenis_transaksi, jumlah from transaksi where jenis_transaksi = 'kredit';
+-----+-----+
| jenis_transaksi | jumlah |
+-----+-----+
| kredit | 20000 |
| kredit | 30000 |
| kredit | 200000 |
| kredit | 150000 |
| kredit | 50000 |
| kredit | 200000 |
| kredit | 100000 |
| kredit | 20000 |
| kredit | 50000 |
| kredit | 200000 |
| kredit | 100000 |
| kredit | 100000 |
| kredit | 200000 |
| kredit | 20000 |
| kredit | 30000 |
| kredit | 200000 |
| kredit | 150000 |
| kredit | 50000 |
| kredit | 200000 |
| kredit | 100000 |
| kredit | 20000 |
| kredit | 50000 |
+-----+-----+
22 rows in set (0.000 sec)

MariaDB [perbankan]> select jenis_transaksi, jumlah from transaksi where tanggal = '2009-11-21' order by jumlah;
+-----+-----+
| jenis_transaksi | jumlah |
+-----+-----+
| debit | 40000 |
+-----+-----+
1 row in set (0.000 sec)

MariaDB [perbankan]> select nama_nasabah, jenis_transaksi, jumlah from nasabah,transaksi where jumlah = 20000;
+-----+-----+-----+
| nama_nasabah | jenis_transaksi | jumlah |
+-----+-----+-----+

```

Nomor 4

Terminal window showing a MySQL query and its results. The query is: `select nama_nasabah, jenis_transaksi, jumlah from nasabah,transaksi where jumlah = 20000;`

The results are displayed in a table with 3 columns: `nama_nasabah`, `jenis_transaksi`, and `Jumlah`. The table contains 152 rows, showing transactions for various customers with a value of 20000.

nama_nasabah	jenis_transaksi	Jumlah
Sutopo	kredit	20000
Maryati	kredit	20000
Suparman	kredit	20000
Kartika Padmasari	kredit	20000
Budi Eko Prayogo	kredit	20000
Satria Eka Jaya	kredit	20000
Sari Murti	kredit	20000
Canka Lokanata	kredit	20000
Budi Murtono	kredit	20000
Herman	kredit	20000
Toddy	kredit	20000
Qodirkun	kredit	20000
Juned Saputra	kredit	20000
Dante	kredit	20000
Rahmat	kredit	20000
Putra Aladin	kredit	20000
David	kredit	20000
Johnny	kredit	20000
Zainudin	kredit	20000
Sutopo	debit	20000
Maryati	debit	20000
Suparman	debit	20000
Kartika Padmasari	debit	20000
Budi Eko Prayogo	debit	20000
Satria Eka Jaya	debit	20000
Sari Murti	debit	20000
Canka Lokanata	debit	20000
Budi Murtono	debit	20000
Herman	debit	20000
Toddy	debit	20000
Qodirkun	debit	20000
Juned Saputra	debit	20000
Dante	debit	20000
Rahmat	debit	20000
Putra Aladin	debit	20000
David	debit	20000
Johnny	debit	20000
Zainudin	debit	20000

152 rows in set (0.000 sec)

5. Menampilkan nama nasabah dan alamat nasabah yang dimana memiliki awalan nama "Sa".

```
File Actions Edit View Help
MariaDB [perbankan]> select nama_nasabah, alamat_nasabah from nasabah where nama_nasabah like 'Sa%';
```

nama_nasabah	alamat_nasabah
Satria Eka Jaya	Jl. Slamet Riyadi 45
Sari Murti	Jl. Pangandaran 11

2 rows in set (0.000 sec)

6. Menampilkan nama nasabah dan alamat nasabah yang dimana memiliki awalan nama "Sa" atau berakhiran nama "an".

```
MariaDB [perbankan]> select nama_nasabah, alamat_nasabah from nasabah where nama_nasabah like 'Sa%' or nama_nasabah like '%an';
```

nama_nasabah	alamat_nasabah
Suparman	Jl. Hasanudin 81
Satria Eka Jaya	Jl. Slamet Riyadi 45
Sari Murti	Jl. Pangandaran 11
Herman	Jl. Cempaka 12

4 rows in set (0.000 sec)

7. Menampilkan nama nasabah dan alamat nasabah yang dimana memiliki awalan nama "Sa" atau berakhiran nama "an" atau beralamat dengan nama "Solo".

```
MariaDB [perbankan]> select nama_nasabah, alamat_nasabah from nasabah where nama_nasabah like 'Sa%' or nama_nasabah like '%an' or alamat_nasabah = 'Solo';
```

nama_nasabah	alamat_nasabah
Suparman	Jl. Hasanudin 81
Satria Eka Jaya	Jl. Slamet Riyadi 45
Sari Murti	Jl. Pangandaran 11
Herman	Jl. Cempaka 12
Qodirkun	Solo
Putra Aladin	Solo

6 rows in set (0.000 sec)

8. Menampilkan id nasabah, nama nasabah, alamat nasabah diurutkan dengan id nasabah dan menampilkan 5 daftar setelah baris kedua.

```
MariaDB [perbankan]> select id_nasabah, nama_nasabah, alamat_nasabah from nasabah order by id_nasabah limit 5 offset 2;
```

id_nasabah	nama_nasabah	alamat_nasabah
3	Suparman	Jl. Hasanudin 81
4	Kartika Padmasari	Jl. Manggis 15
5	Budi Eko Prayogo	Jl. Kantil 30
6	Satria Eka Jaya	Jl. Slamet Riyadi 45
8	Sari Murti	Jl. Pangandaran 11

5 rows in set (0.000 sec)

9. Menampilkan no rekening yang memiliki pin dengan angka 1 dan 2 dan saldo tidak NULL

```
MariaDB [perbankan]> select no_rekening from rekening where pin like '1%' and pin like '2%' and saldo IS NOT NULL;
```

no_rekening
110
111
112
114
122
123

6 rows in set (0.000 sec)

10. Menampilkan no rekening yang dimana mengandung angka pin 1 dan 2 dan saldo tidak NULL, diurutkan berdasarkan no rekening yang menampilkan 3 saja dan setelah melewati baris 2.

```
MariaDB [perbankan]> select no_rekening from rekening where pin like '%1%' and pin like '%2%' and saldo IS NOT NULL order by no_rekening limit 3 offset 2;
```

no_rekening
112
114
122

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

```
MariaDB [perbankan]>
```

Soal Tambahan

1. Menampilkan pencarian nama_nasabah dengan string "su".

```
MariaDB [perbankan]> select nama_nasabah from nasabah where nama_nasabah like '%xsu';
+-----+
| nama_nasabah |
+-----+
| Sutopo       |
| Superman     |
+-----+
2 rows in set (0.000 sec)
```

2. Menampilkan nama_nasabah dari cabang_bank yang sama.

```

MariaDB [perbankan]> select nama_nasabah from nasabah, rekening, nasabah_has_rekening where kode_cabangFK = 'BRUS' and rekening.no_rekening = nasabah_has_rekening.no_rekeningFK and nasabah_has_rekening.id_nasabahFK = nasabah.id_nasabah;
+-----+
| nama_nasabah |
+-----+
| Maryati      |
| Superman     |
| Kartika Padmasari |
| Kartika Padmasari |
| Budi Eko Prayogo |
| Budi Eko Prayogo |
| Putra Aladin  |
+-----+
7 rows in set (0.000 sec)

```

3. Menampilkan nama_nasabah yang berasal dari cabang_bank yang sama dan memiliki jenis transaksi kredit atau debit.

[illegible]

4. Menampilkan transaksi nasabah yang berasal dari cabang_bank yang sama.

```
MariaDB [perbankan]> select jenis_transaksi from transaksi, rekening, nasabah_has_rekening where kode_cabangFK = 'BRUS'
→ and transaksi.no_rekeningFK = nasabah_has_rekening.no_rekeningFK and nasabah_has_rekening.no_rekeningFK = rekening.no_rekening;
+-----+
| jenis_transaksi |
+-----+
| debit           |
| kredit          |
| debit           |
| kredit          |
| kredit          |
| debit           |
| debit           |
| debit           |
| kredit          |
| kredit          |
| kredit          |
| debit           |
| debit           |
| kredit          |
| kredit          |
| debit           |
| debit           |
| kredit          |
| kredit          |
+-----+
22 rows in set (0.001 sec)
```

5. Menampilkan transaksi nasabah yang berasal dari cabang_bank Boyolali dan Surakarta.

```
MariaDB [perbankan]> select jenis_transaksi from transaksi, rekening, nasabah_has_rekening where kode_cabangFK in ('BRUS', 'BRUB')
→ and transaksi.no_rekeningFK = nasabah_has_rekening.no_rekeningFK and nasabah_has_rekening.no_rekeningFK = rekening.no_rekening;
+-----+
| jenis_transaksi |
+-----+
| debit           |
| kredit          |
| debit           |
| kredit          |
| kredit          |
| debit           |
| debit           |
| debit           |
| kredit          |
| kredit          |
| kredit          |
| debit           |
| debit           |
| kredit          |
| kredit          |
| debit           |
| debit           |
| kredit          |
| kredit          |
| debit           |
| debit           |
+-----+
24 rows in set (0.000 sec)

MariaDB [perbankan]>
```