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## MODUL 6

## LATIHAN

```
Console - brianadit24@brianadit24-X550ZE: ~
File Edit View Terminal Tabs Help
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 21
Server version: 10.0.38-MariaDB-0ubuntu0.16.04.1 Ubuntu 16.04
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_cabang, alamat_cabang FROM cabang_bank ORDER BY nama_cabang;
+-----+-----+
| nama_cabang | alamat_cabang |
+-----+-----+
| Bank Amal Aceh | Jl Abdul Hamid 37 |
| Bank Amal Bandung | Jl Mega jaya 101 |
| Bank Amal Boyolali | Jl Jambu 2 |
| Bank Amal Jakarta | Jl MT. Thamrin 21 |
| Bank Amal Kartasura | Jl Colomadu 22 |
| Bank Amal Magelang | Jl Suramadu 82 |
| Bank Amal Pati | Jl Kepatihan 77 |
| Bank Amal Surakarta | Jl Apel 3 |
| Bank Amal Wonogiri | Jl Madurasa 125 |
| Bank Amal Yogyakarta | Jl Ahmad Yani 17 |
| Bank Rut Unit Boyolali | Jl. Ahmad Yani 45 |
| Bank Rut Unit Klaten | Jl. Superman 23 |
| Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18 |
| Bank Rut Unit Wonogiri | Jl. Untung Suropati 12 |
| Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+
15 rows in set (0.00 sec)

MariaDB [perbankan]> SELECT no_rekening, pin, saldo FROM rekening ORDER BY saldo DESC;
+-----+-----+-----+
| no_rekening | pin | saldo |
+-----+-----+-----+
| 108 | 0000 | 5000000 |
| 106 | 6666 | 3000000 |
| 105 | 5555 | 2000000 |
| 107 | 7777 | 1000000 |
| 104 | 4444 | 900000 |
| 103 | 3333 | 750000 |
| 110 | 1234 | 550000 |
| 121 | 6666 | 500000 |
| 101 | 1111 | 500000 |
| 123 | 8888 | 450000 |
| 122 | 7777 | 400000 |
| 102 | 2222 | 350000 |
| 112 | 0123 | 300000 |
| 117 | 2222 | 300000 |
| 113 | 8888 | 255000 |
| 118 | 3333 | 250000 |
| 116 | 1111 | 200000 |
| 115 | 4321 | 150000 |
| 111 | 4321 | 150000 |
| 114 | 1234 | 100000 |
| 119 | 4444 | 50000 |
| 120 | 5555 | 20000 |
| 109 | 9999 | 0 |
+-----+-----+-----+
23 rows in set (0.02 sec)

MariaDB [perbankan]>
```

## TUGAS

### Nomor 1.

```
Console - brianadit24@brianadit24-X550ZE: ~
File Edit View Terminal Tabs Help
brianadit24@brianadit24-X550ZE:~$ mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 22
Server version: 10.0.38-MariaDB-0ubuntu0.16.04.1 Ubuntu 16.04

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 |
+-----+-----+
| Ahmad Zaki   | Jl Tendean 5   |
| Andi         | Jl Hasanudin 25 |
| Budi Eko Prayogo | Jl. Kantil 30 |
| Budi Kariadi | Jl Kariadi 9   |
| Budi Murtono | Jl. Merak 22   |
| Burhan      | Jl Suramadu 102 |
| Candra      | Jl Marwan 63   |
| Canka Lokananta | Jl. Tidar 86 |
| Izul        | Jl Kemangi 32  |
| Kartika Padmasari | Jl. Manggis 15 |
| Maryati     | Jl. MT. Haryono 31 |
| Sari        | Jl Bandung 1   |
| Sari Murti  | Jl. Pangandaran 11 |
| Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| Superman    | Jl. Hasanudin 81 |
| Sutopo      | Jl. Jendral Sudirman 12 |
| Syamsudin   | Jl Ahmad Yani 10 |
| Udin        | Jl Honggowongso 21 |
| Zaki Izudin  | Jl Merak 43    |
+-----+-----+
19 rows in set (0.00 sec)
```

## Nomor 2.

The terminal window shows the following SQL query and its results:

```
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          | 50000  |
| kredit          | 200000 |
| kredit          | 100000 |
| kredit          | 75000  |
| kredit          | 250000 |
| kredit          | 150000 |
| kredit          | 50000  |
| kredit          | 200000 |
| kredit          | 250000 |

22 rows in set (0.00 sec)

The MariaDB GUI interface is visible in the background, showing the 'Server Overview' tab with options like 'Change password', 'Server connection collation', and 'Appearance settings'.

## Nomor 3.

The terminal window shows the following SQL query and its results:

```
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 (0.00 sec)

The MariaDB GUI interface is visible in the background, showing the 'Server Overview' tab with options like 'Browse', 'Structure', 'SQL', 'Search', 'Insert', 'Export', and 'Import'.

## Nomor 4.

Console - brianadit24@brianadit24-X550ZE: ~

File Edit View Terminal Tabs Help

MariaDB [perbankan]> SELECT nama\_nasabah, jenis\_transaksi, jumlah FROM nasabah ,transaksi WHERE jumlah=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 Lokananta   | kredit          | 20000  |
| Budi Murtono      | kredit          | 20000  |
| Andi              | kredit          | 20000  |
| Udin              | kredit          | 20000  |
| Syamsudin         | kredit          | 20000  |
| Ahmad Zaki        | kredit          | 20000  |
| Burhan            | kredit          | 20000  |
| Izul              | kredit          | 20000  |
| Sari              | kredit          | 20000  |
| Budi Kariadi      | kredit          | 20000  |
| Zaki Izudin       | kredit          | 20000  |
| Candra            | 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 Lokananta   | debit           | 20000  |
| Budi Murtono      | debit           | 20000  |
| Andi              | debit           | 20000  |
| Udin              | debit           | 20000  |
| Syamsudin         | debit           | 20000  |
| Ahmad Zaki        | debit           | 20000  |
| Burhan            | debit           | 20000  |
| Izul              | debit           | 20000  |
| Sari              | debit           | 20000  |
| Budi Kariadi      | debit           | 20000  |
| Zaki Izudin       | debit           | 20000  |
| Candra            | debit           | 20000  |
| 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 Lokananta   | kredit          | 20000  |
| Budi Murtono      | kredit          | 20000  |
| Andi              | kredit          | 20000  |
| Udin              | kredit          | 20000  |
| Syamsudin         | kredit          | 20000  |
| Ahmad Zaki        | kredit          | 20000  |
| Burhan            | kredit          | 20000  |
| Izul              | kredit          | 20000  |
| Sari              | kredit          | 20000  |
| Budi Kariadi      | kredit          | 20000  |
| Zaki Izudin       | kredit          | 20000  |
| Candra            | kredit          | 20000  |
| Sutopo            | debit           | 20000  |
| Maryati           | debit           | 20000  |
| Suparman          | debit           | 20000  |



## Nomor 5.

```
Console - brianadit24@brianadit24-X550ZE: ~
MariaDB [perbankan]> SELECT nama_nasabah, alamat_nasabah FROM nasabah WHERE nama_nasabah LIKE 'Su%';
+-----+-----+
| nama_nasabah | alamat_nasabah |
+-----+-----+
| Sutopo       | Jl. Jendral Sudirman 12 |
| Suparman     | Jl. Hasanudin 81 |
+-----+-----+
2 rows in set (0.00 sec)
```

## Nomor 6.

Tampilkan nama nasabah dan alamat nasabah yang dimana memiliki awalan nama "Su" atau berakhiran nama "in"

```
Console - brianadit24@brianadit24-X550ZE: ~
MariaDB [perbankan]> SELECT nama_nasabah, alamat_nasabah FROM nasabah WHERE nama_nasabah LIKE 'Su%' OR nama_nasabah ILIKE '%in';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'OR nama_nasabah ILIKE '%in'' at line 1
MariaDB [perbankan]> SELECT nama_nasabah, alamat_nasabah FROM nasabah WHERE nama_nasabah LIKE 'Su%' OR nama_nasabah LIKE '%in';
+-----+-----+
| nama_nasabah | alamat_nasabah |
+-----+-----+
| Sutopo       | Jl. Jendral Sudirman 12 |
| Suparman     | Jl. Hasanudin 81 |
| Udin         | Jl. Honggowongso 21 |
| Syamsudin    | Jl. Ahmad Yani 10 |
| Zaki Izudin  | Jl. Merak 43 |
+-----+-----+
5 rows in set (0.00 sec)
```

## Nomor 7.

Tampilkan nama nasabah dan alamat nasabah yang dimana memiliki awalan nama "Su" atau berakhiran nama "in" atau beralamat dengan nama "Kantil"

```
Console - brianadit24@brianadit24-X550ZE: ~
MariaDB [perbankan]> SELECT nama_nasabah, alamat_nasabah FROM nasabah WHERE nama_nasabah LIKE 'Su%' OR nama_nasabah LIKE '%in' OR alamat_nasabah LIKE '%Kantil%';
+-----+-----+
| nama_nasabah | alamat_nasabah |
+-----+-----+
| Sutopo       | Jl. Jendral Sudirman 12 |
| Suparman     | Jl. Hasanudin 81 |
| Budi Eko Prayogo | Jl. Kantil 30 |
| Udin         | Jl. Honggowongso 21 |
| Syamsudin    | Jl. Ahmad Yani 10 |
| Zaki Izudin  | Jl. Merak 43 |
+-----+-----+
6 rows in set (0.00 sec)
```

## Nomor 8.

Tampilkan id nasabah, nama nasabah, alamat nasabah diurutkan dengan id nasabah dan menampilkan 5 daftar setelah baris kedua

```
Console - brianadit24@brianadit24-X550ZE: ~
6 rows in set (0.00 sec)
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 (0.01 sec)
```

### Nomor 9.

Tampilkan no rekening yang memiliki pin dengan angka 1 dan 2 dan saldo tidak NULL

```
Console - brianadit24@brianadit24-X550ZE: ~
File Edit View Terminal Tabs Help
5 rows in set (0.00 sec)
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         |
| 115         |
+-----+
5 rows in set (0.00 sec)
MariaDB [perbankan]>
```

### Nomor 10.

Tampilkan 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

```
Console - brianadit24@brianadit24-X550ZE: ~
File Edit View Terminal Tabs Help
3 rows in set (0.00 sec)
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         |
| 115         |
+-----+
3 rows in set (0.00 sec)
MariaDB [perbankan]>
```