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KELAS : A

MODUL 7

• PRAKTIKUM

1.

```
Setting environment for using XAMPP for Windows.
LABSI-18@LABSI-18-PC c:\xampp
# cd mysql/bin

LABSI-18@LABSI-18-PC c:\xampp\mysql\bin
# mysql -u root -p\
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)

LABSI-18@LABSI-18-PC c:\xampp\mysql\bin
# mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 187
Server version: 10.1.37-MariaDB mariadb.org binary distribution
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
Database changed
MariaDB [perbankan]> SELECT nama_cabang, alamat_cabang FROM cabang_bank ORDER BY
nama_cabang;
+-----+-----+
| nama_cabang | alamat_cabang |
+-----+-----+
| Bank Rut Unit Balikpapan | Jl. Keempat 11 |
| Bank Rut Unit Berau | Jl. Ketujuh 14 |
| Bank Rut Unit Boyolali | Jl. Ahmad Yani 45 |
| Bank Rut Unit Karanganyar | Jl. Tawangmangu 19 |
| Bank Rut Unit Kartasura | Jl. Kesembilan 16 |
| Bank Rut Unit Klaten | Jl. Suparman 23 |
| Bank Rut Unit Magelang | Jl. P. Tendean 63 |
| Bank Rut Unit Pontianak | Jl. Kedelapan 15 |
| Bank Rut Unit Samarinda | Jl. Kelima 12 |
| Bank Rut Unit Sragen | Jl. Pattimura 18 |
| Bank Rut Unit Sukoharjo | Jl. Kesepuluh 17 |
| Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18 |
| Bank Rut Unit Tanjung Selor | Jl. Keenam 13 |
| Bank Rut Unit Tarakan | Jl. Slamet Riyadi 22 |
| Bank Rut Unit Wonogiri | Jl. Untung Suropati 12 |
| Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+
16 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 |
| 115 | 1020 | 2500000 |
| 105 | 5555 | 2000000 |
| 117 | 8899 | 2000000 |
+-----+-----+-----+
```

2.

```
MariaDB [perbankan]> SELECT no_rekening, pin, saldo FROM rekening ORDER BY saldo
DESC;
```

no_rekening	pin	saldo
108	0000	5000000
106	6666	3000000
115	1020	2500000
105	5555	2000000
117	8899	2000000
122	2200	2000000
107	7777	1000000
104	4444	900000
121	5500	900000
103	3333	750000
110	1234	550000
120	1144	500000
101	1111	500000
119	1010	400000
102	2222	350000
114	1212	300000
112	0123	300000
123	1997	300000
113	8888	255000
111	4321	150000
118	2233	120000
116	9911	100000
109	9999	0

```
23 rows in set (0.00 sec)
```

```
MariaDB [perbankan]> SELECT rekening.no_rekening, nasabah.nama_nasabah, nasabah.
alamat_nasabah FROM rekening, nasabah, nasabah_has_rekening WHERE nasabah.id_nas
abah= nasabah_has_rekening.id_nasabahFK AND rekening.no_rekening=nasabah_has_rek
ening.no_rekeningFK, ORDER BY nasabah.nama_nasabah;
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
DER BY nasabah.nama_nasabah' at line 1
```

```
MariaDB [perbankan]> SELECT rekening.no_rekening, nasabah.nama_nasabah, nasabah.
alamat_nasabah FROM rekening, nasabah, nasabah_has_rekening WHERE nasabah.id_nas
abah= nasabah_has_rekening.id_nasabahFK AND rekening.no_rekening=nasabah_has_rek
ening.no_rekeningFK ORDER BY nasabah.nama_nasabah;
```

no_rekening	nama_nasabah	alamat_nasabah
116	Bening	Jl. Agatis 10
102	Budi Eko Prayogo	Jl. Kantil 30
107	Budi Eko Prayogo	Jl. Kantil 30
108	Budi Martono	Jl. Merak 22
113	Budi Martono	Jl. Merak 22
119	Budi Martono	Jl. Merak 22
110	Canka Lokananta	Jl. Tidar 86
122	Danindya	Jl. Aki Balak 22
123	Danindya	Jl. Aki Balak 22
101	Kartika Padmasari	Jl. Manggis 15
102	Kartika Padmasari	Jl. Manggis 15

3.

```
MariaDB [perbankan]> SELECT rekening.no_rekening, nasabah.nama_nasabah, nasabah.
alamat_nasabah FROM rekening, nasabah, nasabah_has_rekening WHERE nasabah.id_nas
abah= nasabah_has_rekening.id_nasabahFK AND rekening.no_rekening=nasabah_has_rek
ening.no_rekeningFK ORDER BY nasabah.nama_nasabah;
```

no_rekening	nama_nasabah	alamat_nasabah
116	Bening	Jl. Agatis 10
102	Budi Eko Prayogo	Jl. Kantil 30
107	Budi Eko Prayogo	Jl. Kantil 30
108	Budi Martono	Jl. Merak 22
113	Budi Martono	Jl. Merak 22
119	Budi Martono	Jl. Merak 22
110	Canka Lokananta	Jl. Tidar 86
122	Danindya	Jl. Aki Balak 22
123	Danindya	Jl. Aki Balak 22
101	Kartika Padmasari	Jl. Manggis 15
107	Kartika Padmasari	Jl. Manggis 15
118	Khatulistyawara	Jl. Ir. Soekarno 12
103	Maryati	Jl. MT Haryono 31
117	Muliana	Jl. Jend. Sudirman 97
115	Pandan Wangi	Jl. Imam Bonjol 20
114	Puput	Jl. AMD 10
121	Puput	Jl. AMD 10
120	Putri	Jl. Diponegoro 19
111	Sari Murti	Jl. Pangandaran 11
112	Sari Murti	Jl. Pangandaran 11
109	Satria Eka Jaya	Jl. Slamet Riyadi 45
105	Suparman	Jl. Hasanudin 81
106	Suparman	Jl. Hasanudin 81
104	Sutopo	Jl. Jendral Sudirman 12
109	Triandya	Jl. Sutoyo 5

25 rows in set (0.00 sec)

```
MariaDB [perbankan]> SELECT rekening.no_rekening, nasabah.nama_nasabah, rekening
saldo FROM rekening, nasabah, nasabah_has_rekening WHERE nasabah.id_nasabah= na
sabah_has_rekening.id_nasabahFK AND rekening.no_rekening= nasabah_has_rekening.n
o_rekeningFK ORDER BY nasabah.nama_nasabah;
```

no_rekening	nama_nasabah	saldo
116	Bening	100000
102	Budi Eko Prayogo	350000
107	Budi Eko Prayogo	1000000
108	Budi Martono	5000000
113	Budi Martono	255000
119	Budi Martono	400000
110	Canka Lokananta	550000
122	Danindya	2000000
123	Danindya	300000
101	Kartika Padmasari	500000
107	Kartika Padmasari	1000000
118	Khatulistyawara	120000
103	Maryati	750000
117	Muliana	2000000
115	Pandan Wangi	2500000

4.

```
MariaDB [perbankan]> SELECT rekening.no_rekening, nasabah.nama_nasabah, rekening
.saldo FROM rekening, nasabah, nasabah_has_rekening WHERE nasabah.id_nasabah= na
sabah_has_rekening.id_nasabahFK AND rekening.no_rekening= nasabah_has_rekening.n
o_rekeningFK ORDER BY nasabah.nama_nasabah;
```

no_rekening	nama_nasabah	saldo
116	Bening	100000
102	Budi Eko Prayogo	350000
107	Budi Eko Prayogo	1000000
108	Budi Martono	5000000
113	Budi Martono	255000
119	Budi Martono	400000
110	Canka Lokananta	550000
122	Danindya	2000000
123	Danindya	300000
101	Kartika Padmasari	500000
107	Kartika Padmasari	1000000
118	Khatulistyawara	120000
103	Maryati	750000
117	Muliana	2000000
115	Pandan Wangi	2500000
114	Puput	300000
121	Puput	900000
120	Putri	500000
111	Sari Murti	150000
112	Sari Murti	300000
109	Satria Eka Jaya	0
105	Suparman	2000000
106	Suparman	3000000
104	Sutopo	900000
109	Trianandya	0

25 rows in set (0.00 sec)

- TUGAS

```
MariaDB [perbankan]> SELECT nasabah.nama_nasabah, nasabah.alamat_nasabah, transaksi.jenis_transaksi, transaksi.jumlah FROM nasabah, transaksi WHERE nasabah.id_nasabah = transaksi.id_nasabahFK AND transaksi.jenis_transaksi='kredit' ORDER BY nasabah.nama_nasabah;
```

nama_nasabah	alamat_nasabah	jenis_transaksi	jumlah
Budi Eko Prayogo	Jl. Kantil 30	kredit	30000
Budi Eko Prayogo	Jl. Kantil 30	kredit	200000
Budi Martono	Jl. Merak 22	kredit	130000
Canka Lokananta	Jl. Tidar 86	kredit	150000
Danindya	Jl. Aki Balak 22	kredit	25000
Danindya	Jl. Aki Balak 22	kredit	50000
Kartika Padmasari	Jl. Manggis 15	kredit	200000
Kartika Padmasari	Jl. Manggis 15	kredit	20000
Kartika Padmasari	Jl. Manggis 15	kredit	20000
Maryati	Jl. MT Haryono 31	kredit	100000
Maryati	Jl. MT Haryono 31	kredit	200000
Pandan Wangi	Jl. Imam Bonjol 20	kredit	80000
Pandan Wangi	Jl. Imam Bonjol 20	kredit	50000
Puput	Jl. AMD 10	kredit	125000
Puput	Jl. AMD 10	kredit	125000
Puput	Jl. AMD 10	kredit	150000
Puput	Jl. AMD 10	kredit	20000
Putri	Jl. Diponegoro 19	kredit	50000
Putri	Jl. Diponegoro 19	kredit	175000
Suparman	Jl. Hasanudin 81	kredit	50000
Suparman	Jl. Hasanudin 81	kredit	50000
Suparman	Jl. Hasanudin 81	kredit	100000
Sutopo	Jl. Jendral Sudirman 12	kredit	200000
Sutopo	Jl. Jendral Sudirman 12	kredit	100000

24 rows in set (0.00 sec)

```
MariaDB [perbankan]>
MariaDB [perbankan]> SELECT rekening.no_rekening, nasabah.nama_nasabah, transaksi.jenis_transaksi, transaksi.jumlah FROM rekening, nasabah, transaksi WHERE nasabah.id_nasabah = transaksi.id_nasabahFK AND rekening.no_rekening = transaksi.no_rekeningFK AND transaksi.tanggal='2009-11-21' ORDER BY nasabah.nama_nasabah;
```

no_rekening	nama_nasabah	jenis_transaksi	jumlah
105	Suparman	debit	40000

1 row in set (0.00 sec)

```
MariaDB [perbankan]>
```

```
MariaDB [(none)]> use perbankan
Database changed
MariaDB [perbankan]> select rekening.no_rekening, nasabah.nama_nasabah, transaksi.jenis_transaksi, transaksi.jumlah from rekening, nasabah, transaksi where nasabah.id_nasabah=transaksi.id_nasabahfk and transaksi.jumlah='20000' and rekening.no_rekening=transaksi.no_rekeningfk;
```

no_rekening	nama_nasabah	jenis_transaksi	jumlah
101	Kartika Padmasari	kredit	20000
102	Budi Eko Prayogo	debit	20000
101	Kartika Padmasari	kredit	20000
102	Budi Eko Prayogo	debit	20000
110	Canka Lokananta	debit	20000
114	Puput	kredit	20000

6 rows in set (0.32 sec)

```
MariaDB [perbankan]> SELECT distinct rekening.no_rekening, nasabah.nama_nasabah, nasabah.alamat_nasabah FROM rekening, n
asabah, transaksi WHERE nasabah.id_nasabah = transaksi.id_nasabahFK AND rekening.no_rekening = transaksi.no_rekeningFK A
ND nasabah.nama_nasabah like 'Su%' ORDER BY nasabah.nama_nasabah;
```

no_rekening	nama_nasabah	alamat_nasabah
105	Suparman	Jl. Hasanudin 81
106	Suparman	Jl. Hasanudin 81
104	Sutopo	Jl. Jendral Sudirman 12

3 rows in set (0.00 sec)

```
MariaDB [perbankan]> SELECT distinct no_rekening AS 'Nomor Rekening', nama_nasabah AS 'Nama Nasabah', jumlah AS 'Jumlah
Transaksi'
```

```
-> FROM rekening R, nasabah N, transaksi T
-> WHERE T.no_rekeningFK= R.no_rekening AND T.id_nasabahFK = N.id_nasabah AND T.jenis_transaksi = 'debit'
-> ORDER BY N.nama_nasabah;
```

Nomor Rekening	Nama Nasabah	Jumlah Transaksi
116	Bening	100000
102	Budi Eko Prayogo	20000
102	Budi Eko Prayogo	50000
119	Budi Martono	100000
108	Budi Martono	100000
110	Canka Lokananta	20000
123	Danindya	200000
122	Danindya	200000
107	Kartika Padmasari	100000
101	Kartika Padmasari	50000
118	Khatulistyawara	100000
118	Khatulistyawara	150000
118	Khatulistyawara	200000
103	Maryati	50000
103	Maryati	100000
103	Maryati	40000
117	Muliana	50000
105	Suparman	40000
105	Suparman	50000
106	Suparman	50000
104	Sutopo	50000
109	Trianandya	100000

22 rows in set (0.00 sec)

