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MODUL 7

JOIN

LATIHAN

Nomer 5

```
CA Command Prompt - mysql -u root -p
Microsoft Windows [Version 10.0.18362.778]
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C:\Users\msi gaming>cd c:\xampp\mysql\bin

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 6
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_bank from cabang_bank order by nama_cabang;
ERROR 1054 (42S22): Unknown column 'alamat_bank' in 'field list'
MariaDB [perbankan]> select nama_cabang, alamat_cabang from cabang_bank order by nama_cabang;
+-----+-----+
| nama_cabang          | alamat_cabang          |
+-----+-----+
| Bank Rut Unit Boyolali | Jl. Ahmad Yani 45      |
| Bank Rut Unit Cawas   | Jl. Raya Cawas 22      |
| Bank Rut Unit Delanggu | Jl. Jogja-Solo 67      |
| Bank Rut Unit Gondang  | Jl. Jogja-Solo 2       |
| Bank Rut Unit Imogiri  | Jl. Imogiri 32         |
| Bank Rut Unit Jatinom  | Jl. Jatinom Center 43  |
| Bank Rut Unit Klaten   | Jl. Superman 23        |
| Bank Rut Unit Klaten Tengah | Jl. Pemuda Klaten 33  |
| Bank Rut Unit Nglipar  | Jl. Raya Nglipar 1     |
| Bank Rut Unit Prambanan | Jl. Prambanan 56       |
| Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18   |
| Bank Rut Unit Trucuk   | Jl. Raya Trucuk 6      |
| Bank Rut Unit Ungaran  | Jl. Ungaran Raya 23    |
| Bank Rut Unit Wonogiri  | Jl. A. Yani 23         |
| Bank Rut Unit Yogyakarta | Jl. Anggrek 21         |
+-----+-----+
15 rows in set (0.00 sec)
```

Nomer 6

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> select no_rekening, pin, saldo from rekening order by saldo desc;
```

no_rekening	pin	saldo
123	2100	10000000
116	1600	9000000
108	0000	5000000
120	1800	5000000
122	2000	4000000
106	6666	3000000
105	5555	2000000
119	1702	1800000
118	1701	1500000
121	1900	1000000
107	7777	1000000
117	1700	1000000
115	1500	900000
104	4444	900000
103	3333	750000
110	1234	550000
114	1400	500000
101	1111	500000
102	2222	350000
112	0123	300000
113	8888	255000
111	4321	150000
109	9999	0

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

Nomer 7

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> select rekening.no_rekening, nasabah.nama_nasabah, nasabah.alamat_nasabah from rekening, nasabah, nasabah_has_rekening where nasabah.id_nasabah=nasabah_has_rekening.id_nasabahFK and rekening.no_rekening=nasabah_has_rekening.no_rekeningFK order by nasabah.nama_nasabah;
```

no_rekening	nama_nasabah	alamat_nasabah
102	Budi Eko Prayogo	Jl. Kantil 30
107	Budi Eko Prayogo	Jl. Kantil 30
108	Budi Murtono	Jl. Merak 22
113	Budi Murtono	Jl. Merak 22
110	Canka Lokananta	Jl. Tidar 86
101	Kartika Padmasari	Jl. Manggis 15
107	Kartika Padmasari	Jl. Manggis 15
112	Leonard	Jl. Jendral Suharto
120	Mario Susanto	Jl. Tantowi 55
103	MARYATI	Jl. MT. Haryono 31
122	Mila lia	Jl. Bypass 21
123	Nizar Armando	Jl. Kapitan 23
118	Rifan Anwar	Jl. Pemuda 13
119	Rifan Anwar	Jl. Pemuda 13
121	Rifan Anwar	Jl. Pemuda 13
114	Roban Aliman	Jl. Waman 43
115	Ronald Weho	Jl. Letnan Amil 2
111	Sari Murti	Jl. Pangandaran 11
112	Sari Murti	Jl. Pangandaran 11
109	Satria Eka Jaya	Jl. Slamet Riyadi 45
114	Sonnica Amalia	Jl. Remin 3
105	SUPARMAN	Jl. Hasanudin 81
106	SUPARMAN	Jl. Hasanudin 81
104	SUTOPO	Jl. Jendral Susirman 12
117	Yeremia Ano	Jl. Pemuda 18
116	Yolanda mei	Jl. Manahan 56

Nomer 8

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> select rekening.no_rekening, nasabah.nama_nasabah, rekening.saldo from rekening,
nasabah, nasabah_has_rekening where nasabah.id_nasabah=nasabah_has_rekening.id_nasabahFK and rekening.
no_rekening=nasabah_has_rekening.no_rekeningFK order by nasabah.nama_nasabah;
```

no_rekening	nama_nasabah	saldo
102	Budi Eko Prayogo	350000
107	Budi Eko Prayogo	1000000
108	Budi Murtono	5000000
113	Budi Murtono	255000
110	Canka Lokananta	550000
101	Kartika Padmasari	500000
107	Kartika Padmasari	1000000
112	Leonard	300000
120	Mario Susanto	5000000
103	MARYATI	750000
122	Mila lia	4000000
123	Nizar Armando	10000000
118	Rifan Anwar	1500000
119	Rifan Anwar	1800000
121	Rifan Anwar	1000000
114	Roban Aliman	500000
115	Ronald Weho	900000
111	Sari Murti	150000
112	Sari Murti	300000
109	Satria Eka Jaya	0
114	Sonnia Amalia	500000
105	SUPARMAN	2000000
106	SUPARMAN	3000000
104	SUTOPO	900000
117	Yeremia Ano	1000000
116	Yolanda mei	9000000

TUGAS

Nomer 1

```
Command Prompt - mysql -u root -p
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 jenis_transaksi = "kredit" order by nasabah.nama_nasabah;
```

nama_nasabah	alamat_nasabah	jenis_transaksi	jumlah
Budi Eko Prayogo	Jl. Kantil 30	KREDIT	200000
Budi Eko Prayogo	Jl. Kantil 30	KREDIT	200000
Budi Eko Prayogo	Jl. Kantil 30	KREDIT	50000
Budi Eko Prayogo	Jl. Kantil 30	KREDIT	1000000
Budi Eko Prayogo	Jl. Kantil 30	KREDIT	100000
Budi Eko Prayogo	Jl. Kantil 30	KREDIT	990000
Budi Eko Prayogo	Jl. Kantil 30	KREDIT	20000
Budi Eko Prayogo	Jl. Kantil 30	KREDIT	100000
Budi Eko Prayogo	Jl. Kantil 30	KREDIT	200000
Budi Eko Prayogo	Jl. Kantil 30	KREDIT	1500000
Budi Eko Prayogo	Jl. Kantil 30	KREDIT	500000
Budi Eko Prayogo	Jl. Kantil 30	KREDIT	150000
Budi Eko Prayogo	Jl. Kantil 30	KREDIT	50000
Budi Eko Prayogo	Jl. Kantil 30	KREDIT	20000
Budi Eko Prayogo	Jl. Kantil 30	KREDIT	100000
Budi Eko Prayogo	Jl. Kantil 30	KREDIT	150000
Budi Murtono	Jl. Merak 22	KREDIT	100000
Budi Murtono	Jl. Merak 22	KREDIT	150000
Budi Murtono	Jl. Merak 22	KREDIT	200000
Budi Murtono	Jl. Merak 22	KREDIT	200000
Budi Murtono	Jl. Merak 22	KREDIT	50000
Budi Murtono	Jl. Merak 22	KREDIT	1000000
Budi Murtono	Jl. Merak 22	KREDIT	100000
Budi Murtono	Jl. Merak 22	KREDIT	990000
Budi Murtono	Jl. Merak 22	KREDIT	20000
Budi Murtono	Jl. Merak 22	KREDIT	150000
Budi Murtono	Jl. Merak 22	KREDIT	100000
Budi Murtono	Jl. Merak 22	KREDIT	100000
Budi Murtono	Jl. Merak 22	KREDIT	1500000
Budi Murtono	Jl. Merak 22	KREDIT	200000
Budi Murtono	Jl. Merak 22	KREDIT	500000
Budi Murtono	Jl. Merak 22	KREDIT	30000
Budi Murtono	Jl. Merak 22	KREDIT	50000
Budi Murtono	Jl. Merak 22	KREDIT	20000
Canka Lokananta	Jl. Tidar 86	KREDIT	200000
Canka Lokananta	Jl. Tidar 86	KREDIT	50000
Canka Lokananta	Jl. Tidar 86	KREDIT	1000000
Canka Lokananta	Jl. Tidar 86	KREDIT	100000

Nomer 2

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> select no_rekening, nama_nasabah, jenis_transaksi, jumlah from nasabah, transaksi, rekening where nasabah.id_nasabah = transaksi.id_nasabahFK and rekening.no_rekening = transaksi.no_rekeningFK and tanggal = "2020-04-21 15:46:24" order by nasabah.nama_nasabah;
```

no_rekening	nama_nasabah	jenis_transaksi	jumlah
102	Budi Eko Prayogo	DEBIT	20000
102	Budi Eko Prayogo	DEBIT	20000
107	Budi Eko Prayogo	KREDIT	30000
102	Budi Eko Prayogo	DEBIT	50000
102	Budi Eko Prayogo	KREDIT	200000
108	Budi Murtono	DEBIT	100000
110	Canka Lokananta	KREDIT	150000
101	Kartika Padmasari	KREDIT	20000
101	Kartika Padmasari	KREDIT	20000
107	Kartika Padmasari	KREDIT	200000
107	Kartika Padmasari	DEBIT	100000
101	Kartika Padmasari	DEBIT	50000
103	MARYATI	DEBIT	50000
103	MARYATI	DEBIT	100000
103	MARYATI	KREDIT	100000
103	MARYATI	KREDIT	200000
103	MARYATI	DEBIT	40000
103	MARYATI	DEBIT	40000
106	SUPARMAN	DEBIT	50000
106	SUPARMAN	KREDIT	50000
105	SUPARMAN	DEBIT	50000
105	SUPARMAN	DEBIT	40000
105	SUPARMAN	KREDIT	50000
105	SUPARMAN	KREDIT	100000
104	SUTOPO	DEBIT	50000
104	SUTOPO	KREDIT	100000
104	SUTOPO	DEBIT	50000
104	SUTOPO	KREDIT	200000

28 rows in set (0.04 sec)

Nomer 3

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> select no_rekening, nama_nasabah, jenis_transaksi, jumlah from nasabah, rekening, transaksi where nasabah.id_nasabah = transaksi.id_nasabahFK and rekening.no_rekening = transaksi.no_rekeningFK and jumlah = 20000 order by nasabah.nama_nasabah;
```

no_rekening	nama_nasabah	jenis_transaksi	jumlah
102	Budi Eko Prayogo	DEBIT	20000
102	Budi Eko Prayogo	DEBIT	20000
101	Kartika Padmasari	KREDIT	20000
101	Kartika Padmasari	KREDIT	20000

4 rows in set (0.00 sec)

Nomer 4

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> select no_rekening, nama_nasabah, alamat_nasabah from nasabah, rekening, nasabah_has_rekening where nasabah.id_nasabah = nasabah_has_rekening.id_nasabahFK and rekening.no_rekening = nasabah_has_rekening.no_rekeningFK and nasabah.nama_nasabah like 'su%';
```

no_rekening	nama_nasabah	alamat_nasabah
104	SUTOPO	Jl. Jendral Susirman 12
105	SUPARMAN	Jl. Hasanudin 81
106	SUPARMAN	Jl. Hasanudin 81

3 rows in set (0.04 sec)

Nomer 5

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> select rekening.no_rekening as 'Nomor Rekening', nasabah.nama_nasabah as 'Nama Nasabah', transaksi.jumlah as 'Jumlah Transaksi'
-> from rekening, nasabah, transaksi
-> where nasabah.id_nasabah = transaksi.id_nasabahFK
-> and rekening.no_rekening = transaksi.no_rekeningFK
-> and transaksi.jenis_transaksi = 'debit'
-> order by nasabah.nama_nasabah;
```

Nomor Rekening	Nama Nasabah	Jumlah Transaksi
102	Budi Eko Prayogo	20000
102	Budi Eko Prayogo	50000
102	Budi Eko Prayogo	20000
108	Budi Murtono	100000
108	Budi Murtono	100000
107	Kartika Padmasari	100000
101	Kartika Padmasari	50000
112	Leonard	1000000
114	Leonard	500000
120	Mario Susanto	50000
103	MARYATI	50000
103	MARYATI	40000
103	MARYATI	100000
103	MARYATI	40000
103	MARYATI	100000
113	Nizar Armando	4500000
114	Roban Aliman	200000
115	Ronald Weho	100000
111	Sari Murti	500000
109	Satria Eka Jaya	400000
114	Sonnica Amalia	500000
105	SUPARMAN	50000
105	SUPARMAN	2000000
106	SUPARMAN	50000
105	SUPARMAN	40000
104	SUTOPO	50000
104	SUTOPO	50000

27 rows in set (0.00 sec)

Nomer 6

Command Prompt - mysql -u root -p

```
MariaDB [perbankan]> select*from nasabah natural join nasabah_has_rekening natural join rekening
-> where nasabah.id_nasabah=nasabah_has_rekening.id_nasabahFK
-> and nasabah_has_rekening.no_rekeningFK = rekening.no_rekening
-> and rekening.kode_cabangFK = 'BRUS'
-> order by nasabah.nama_nasabah;
```

id_nasabah	nama_nasabah	alamat_nasabah	id_nasabahFK	no_rekeningFK	no_rekening	kode_cabangFK	pin	saldo
5	Budi Eko Prayogo	Jl. Kantil 30	5	102	102	BRUS	2222	350000
5	Budi Eko Prayogo	Jl. Kantil 30	5	107	107	BRUS	7777	1000000
4	Kartika Padmasari	Jl. Manggis 15	4	101	101	BRUS	1111	500000
4	Kartika Padmasari	Jl. Manggis 15	4	107	107	BRUS	7777	1000000
2	MARYATI	Jl. MT. Haryono 31	2	103	103	BRUS	3333	750000
3	SUPARMAN	Jl.Hasanudin 81	3	106	106	BRUS	6666	3000000

6 rows in set (0.00 sec)

MariaDB [perbankan]> _

Command Prompt - mysql -u root -p

```
MariaDB [perbankan]> select*from nasabah natural join nasabah_has_rekening natural join rekening
-> where nasabah.id_nasabah=nasabah_has_rekening.id_nasabahFK
-> and nasabah_has_rekening.no_rekeningFK = rekening.no_rekening
-> and rekening.pin = '7777'
-> order by nasabah.nama_nasabah;
```

id_nasabah	nama_nasabah	alamat_nasabah	id_nasabahFK	no_rekeningFK	no_rekening	kode_cabangFK	pin	saldo
5	Budi Eko Prayogo	Jl. Kantil 30	5	107	107	BRUS	7777	1000000
4	Kartika Padmasari	Jl. Manggis 15	4	107	107	BRUS	7777	1000000

2 rows in set (0.00 sec)

MariaDB [perbankan]>

Command Prompt - mysql -u root -p

```
MariaDB [perbankan]> select*from nasabah natural join nasabah_has_rekening natural join rekening
-> where nasabah.id_nasabah=nasabah_has_rekening.id_nasabahFK
-> and nasabah_has_rekening.no_rekeningFK = rekening.no_rekening
-> and rekening.no_rekening= 115
-> order by nasabah.nama_nasabah;
```

id_nasabah	nama_nasabah	alamat_nasabah	id_nasabahFK	no_rekeningFK	no_rekening	kode_cabangFK	pin	saldo
17	Ronald Weho	Jl. Letnan Amil 2	17	115	115	BRUD	1500	900000

1 row in set (0.00 sec)

MariaDB [perbankan]> _

Command Prompt - mysql -u root -p

```
MariaDB [perbankan]> select*from nasabah natural join nasabah_has_rekening natural join rekening
-> where nasabah.id_nasabah=nasabah_has_rekening.id_nasabahFK
-> and nasabah_has_rekening.no_rekeningFK = rekening.no_rekening
-> and nasabah.id_nasabah = 14
-> order by nasabah.nama_nasabah;
```

id_nasabah	nama_nasabah	alamat_nasabah	id_nasabahFK	no_rekeningFK	no_rekening	kode_cabangFK	pin	saldo
14	Rifan Anwar	Jl. Pemuda 13	14	118	118	BRUC	1701	1500000
14	Rifan Anwar	Jl. Pemuda 13	14	119	119	BRUC	1702	1800000
14	Rifan Anwar	Jl. Pemuda 13	14	121	121	BRUT	1900	1000000

3 rows in set (0.00 sec)

MariaDB [perbankan]> _

Command Prompt - mysql -u root -p

```
MariaDB [perbankan]> select*from nasabah natural join nasabah_has_rekening natural join rekening
-> where nasabah.id_nasabah=nasabah_has_rekening.id_nasabahFK
-> and nasabah_has_rekening.no_rekeningFK = rekening.no_rekening
-> and nasabah.id_nasabah = 20
-> order by nasabah.nama_nasabah;
```

id_nasabah	nama_nasabah	alamat_nasabah	id_nasabahFK	no_rekeningFK	no_rekening	kode_cabangFK	pin	saldo
20	Leonard	Jl. Jendral Suharto	20	112	112	BRUK	0123	300000

1 row in set (0.00 sec)

MariaDB [perbankan]>