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Kelas : D

Praktikum Basis Data Modul 6

Latihan

```
C:\Windows\System32\cmd.exe - mysql -u root -p
Microsoft Windows [Version 10.0.18362.720]
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C:\>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 8
Server version: 10.4.11-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)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| perbankan |
| performance_schema |
| phpmyadmin |
| rumah_sakit |
| test |
+-----+
7 rows in set (0.102 sec)

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 Angkasa | Jl. Pluto 32 |
| Bank Rut Unit Boyolali | Jl. Ahmad Yani 45 |
| Bank Rut Unit Curug | Jl. Uhhhh 42 |
| Bank Rut Unit Gombang | Jl. Asek 32 |
| Bank Rut Unit Indonesia | Jl. in aja dulu 02 |
| Bank Rut Unit Klaten | Jl. Superman 23 |
| Bank Rut Unit Purwokerto | Jl. Sendiri 1 |
| Bank Rut Unit Qiqiqi | Jl. Crot 92 |
| Bank Rut Unit RajaAmpat | Jl. Jalan 01 |
+-----+-----+
```

```
C:\Windows\System32\cmd.exe - mysql -u root -p
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 Angkasa | Jl. Pluto 32 |
| Bank Rut Unit Boyolali | Jl. Ahmad Yani 45 |
| Bank Rut Unit Curug | Jl. Uhhhh 42 |
| Bank Rut Unit Gombang | Jl. Asek 32 |
| Bank Rut Unit Indonesia | Jl. in aja dulu 02 |
| Bank Rut Unit Klaten | Jl. Superman 23 |
| Bank Rut Unit Purwokerto | Jl. Sendiri 1 |
| Bank Rut Unit Qiqiqi | Jl. Crot 92 |
| Bank Rut Unit RajaAmpat | Jl. Jalan 01 |
| Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18 |
| Bank Rut Unit Tegal | Jl. Ahhhh 12 |
| Bank Rut Unit Wonogiri | Jl.A. Yani 23 |
| Bank Rut Unit Xixixi | Jl. wkwkwk 62 |
| Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
| Bank Rut Unit Zimbabwe | Jl. xxxxxxx 72 |
+-----+-----+
15 rows in set (0.214 sec)

MariaDB [perbankan]> select no_rekening, pin, saldo from rekening order by saldo desc;
+-----+-----+-----+
| no_rekening | pin | saldo |
+-----+-----+-----+
| 118 | 1519 | 900000 |
| 104 | 4444 | 900000 |
| 119 | 1419 | 800000 |
| 103 | 3333 | 750000 |
| 120 | 1319 | 700000 |
| 121 | 1219 | 600000 |
| 110 | 1234 | 550000 |
| 108 | 0000 | 500000 |
| 101 | 1111 | 500000 |
| 115 | 1819 | 500000 |
| 122 | 1119 | 400000 |
| 102 | 2222 | 350000 |
| 117 | 1619 | 300000 |
| 112 | 0123 | 300000 |
| 106 | 6666 | 300000 |
| 113 | 8888 | 255000 |
+-----+-----+-----+
```

```
C:\Windows\System32\cmd.exe - mysql -u root -p
15 rows in set (0.214 sec)

MariaDB [perbankan]> select no_rekening, pin, saldo from rekening order by saldo desc;
+-----+-----+-----+
| no_rekening | pin  | saldo |
+-----+-----+-----+
| 118         | 1519 | 900000 |
| 104         | 4444 | 900000 |
| 119         | 1419 | 800000 |
| 103         | 3333 | 750000 |
| 120         | 1319 | 700000 |
| 121         | 1219 | 600000 |
| 110         | 1234 | 550000 |
| 108         | 0000 | 500000 |
| 101         | 1111 | 500000 |
| 115         | 1819 | 500000 |
| 122         | 1119 | 400000 |
| 102         | 2222 | 350000 |
| 117         | 1619 | 300000 |
| 112         | 0123 | 300000 |
| 106         | 6666 | 300000 |
| 113         | 8888 | 250000 |
| 114         | 1919 | 200000 |
| 105         | 5555 | 200000 |
| 111         | 4321 | 150000 |
| 107         | 7777 | 100000 |
| 123         | 1019 | 100000 |
| 116         | 1719 | 100000 |
| 109         | 9999 | 0      |
+-----+-----+-----+
23 rows in set (0.051 sec)

MariaDB [perbankan]>
```

Tugas

1. Menampilkan nama nasabah dan alamat nasabah di urutkan berdasarkan nama nasabah

```
MariaDB [perbankan]> select nama_nasabah, alamat_nasabah from nasabah order by nama_nasabah;
+-----+-----+
| nama_nasabah | alamat_nasabah |
+-----+-----+
| Agos         | Jl. J 96       |
| Ainun        | Jl. C 69       |
| Budi Eko Prayogo | Jl.Kantil 30   |
| Budi Martono  | Jl.Merak 22    |
| Canka Lokananta | Jl. Tidar 86   |
| Irfananda     | Jl. A 69       |
| Irsyad        | Jl. B 69       |
| Kartika Padmasari | Jl.Manggis 15  |
| Maman        | Jl. H 96       |
| Maryati       | Jl.MT.Haryono 31 |
| Moden        | Jl. I 96       |
| Nauval       | Jl. D 69       |
| Nopal        | Jl. E 69       |
| Nopal Ganteng | Jl. F 96       |
| Paryo        | Jl. G 96       |
| Sari Nurti    | Jl.Pangandaran 11 |
| Satria Eka Jaya | Jl.Slamet Riyadi 45 |
| Suparman     | Jl.Hsanusin 81 |
| Sutopo       | Jl.Jendral Sudirman 12 |
+-----+-----+
19 rows in set (0.001 sec)

MariaDB [perbankan]> _
```

2. Tampilkan jenis transaksi dan jumlah transaksi dimana jenis transaksinya adalah kredit

```
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 | 250000 |
| kredit | 130000 |
| kredit | 357000 |
| kredit | 50000 |
| kredit | 50000 |
| kredit | 520000 |
| kredit | 50000 |
| kredit | 50000 |
| kredit | 50000 |
| kredit | 20000 |
| kredit | 30000 |
| kredit | 20000 |
| kredit | 150000 |
| kredit | 50000 |
| kredit | 200000 |
| kredit | 100000 |
| kredit | 20000 |
| kredit | 50000 |
| kredit | 200000 |
| kredit | 100000 |
| kredit | 100000 |
| kredit | 200000 |
| kredit | 100000 |

| | |
|--------|--------|
| kredit | 200000 |
| kredit | 100000 |
| kredit | 20000 |
| kredit | 50000 |
| kredit | 200000 |
| kredit | 100000 |
| kredit | 50000 |
| kredit | 100000 |
| kredit | 200000 |

```
44 rows in set (0.086 sec)
```

3. Tampilkan jenis transaksi dan jumlah transaksi yang melakukan transaksi pada tanggal 21 november 2009 dan diurutkan berdasarkan jumlah transaksi

```
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 (0.174 sec)

```
MariaDB [perbankan]> select jenis_transaksi, jumlah from transaksi order by jumlah;
```

| jenis_transaksi | jumlah |
|-----------------|--------|
| kredit | 20000 |
| debit | 20000 |
| kredit | 20000 |
| debit | 20000 |
| kredit | 20000 |
| debit | 20000 |
| debit | 20000 |
| debit | 20000 |
| debit | 20000 |
| debit | 20000 |
| kredit | 20000 |
| kredit | 20000 |
| debit | 20000 |
| debit | 26000 |
| kredit | 30000 |
| kredit | 30000 |
| debit | 40000 |
| debit | 40000 |
| debit | 40000 |
| debit | 40000 |
| debit | 40000 |
| debit | 40000 |
| debit | 40000 |
| debit | 40000 |
| debit | 50000 |
| kredit | 50000 |
| debit | 50000 |
| kredit | 50000 |
| debit | 50000 |
| kredit | 50000 |
| debit | 50000 |
| debit | 50000 |
| debit | 50000 |
| kredit | 50000 |
| debit | 50000 |
| debit | 50000 |


```

MariaDB [perbankan]> select nama_nasabah from nasabah where nama_nasabah = 'Nopal Ganteng';
+-----+
| nama_nasabah |
+-----+
| Nopal Ganteng |
+-----+
1 row in set (0.001 sec)

MariaDB [perbankan]> select nama_nasabah from nasabah where id_nasabah = 11;
+-----+
| nama_nasabah |
+-----+
| Irfananda    |
+-----+
1 row in set (0.001 sec)

```

7. Tampilkan nama nasabah, jenis transaksi dan jumlah transaksi dimana jumlah transaksinya =Rp.50.000, Rp.100.000 dan Rp.40.000

```

MariaDB [perbankan]> select nama_nasabah, jenis_transaksi, jumlah from nasabah, transaksi where jumlah = 50000 and nasabah.id_nasabah = transaksi.id_nasabahFK;
+-----+-----+-----+
| nama_nasabah | jenis_transaksi | jumlah |
+-----+-----+-----+
| Suparman     | debit          | 50000  |
| Suparman     | debit          | 50000  |
| Suparman     | kredit         | 50000  |
| Sutopo       | debit          | 50000  |
| Maryati      | debit          | 50000  |
| Budi Eko Prayogo | debit        | 50000  |
| Suparman     | kredit         | 50000  |
| Sutopo       | debit          | 50000  |
| Kartika Padmasari | debit        | 50000  |
| Moden        | kredit         | 50000  |
| Moden        | kredit         | 50000  |
| Moden        | kredit         | 50000  |
| Moden        | kredit         | 50000  |
| Moden        | kredit         | 50000  |
| Suparman     | debit          | 50000  |
| Suparman     | debit          | 50000  |
| Suparman     | kredit         | 50000  |
| Sutopo       | debit          | 50000  |
| Maryati      | debit          | 50000  |
| Budi Eko Prayogo | debit        | 50000  |
| Suparman     | kredit         | 50000  |
| Sutopo       | debit          | 50000  |
| Kartika Padmasari | debit        | 50000  |
| Irsyad       | debit          | 50000  |
| Nopal        | debit          | 50000  |
| Irfananda    | debit          | 50000  |
| Nauval       | kredit         | 50000  |
| Irfananda    | debit          | 50000  |
| Nauval       | debit          | 50000  |
+-----+-----+-----+
30 rows in set (0.001 sec)

```

```

MariaDB [perbankan]> select nama_nasabah, jenis_transaksi, jumlah from nasabah, transaksi where jumlah = 100000 and nasabah.id_nasabah = transaksi.id_nasabahFK;
+-----+-----+-----+
| nama_nasabah | jenis_transaksi | jumlah |
+-----+-----+-----+
| Kartika Padmasari | debit        | 100000 |
| Maryati         | debit        | 100000 |
| Sutopo          | kredit       | 100000 |
| Budi Martono    | debit        | 100000 |
| Suparman        | kredit       | 100000 |
| Maryati         | kredit       | 100000 |
| Kartika Padmasari | debit        | 100000 |
| Maryati         | debit        | 100000 |
| Sutopo          | kredit       | 100000 |
| Budi Martono    | debit        | 100000 |
| Suparman        | kredit       | 100000 |
| Maryati         | kredit       | 100000 |
| Irfananda       | kredit       | 100000 |
| Agos            | debit        | 100000 |
| Ainun           | kredit       | 100000 |
| Irsyad          | kredit       | 100000 |
| Paryo           | debit        | 100000 |
+-----+-----+-----+
17 rows in set (0.001 sec)

```

```

MariaDB [perbankan]> select nama_nasabah, jenis_transaksi, jumlah from nasabah, transaksi where jumlah = 40000 and nasabah.id_nasabah = transaksi.id_nasabahFK;
+-----+-----+-----+
| nama_nasabah | jenis_transaksi | jumlah |
+-----+-----+-----+
| Maryati      | debit          | 40000  |
| Suparman     | debit          | 40000  |
| Maryati      | debit          | 40000  |
| Maryati      | debit          | 40000  |
| Suparman     | debit          | 40000  |
| Maryati      | debit          | 40000  |
| Irfananda    | debit          | 40000  |
| Irsyad       | debit          | 40000  |
| Irsyad       | debit          | 40000  |
+-----+-----+-----+
9 rows in set (0.001 sec)

```

8. Tampilkan 2 baris transaksi setelah melewati 2 baris transaksi, yang ditampilkan yaitu no rekening, jenis transaksi, tanggal dan jumlah, lalu urutkan berdasarkan no transaksi

```

MariaDB [perbankan]> select no_rekeningFK, jenis_transaksi, tanggal, jumlah from transaksi order by no_transaksi limit 2 offset 2;
+-----+-----+-----+-----+
| no_rekeningFK | jenis_transaksi | tanggal       | jumlah |
+-----+-----+-----+-----+
| 101           | kredit         | 2009-11-12 00:00:00 | 20000  |
| 106           | debit          | 2009-11-13 00:00:00 | 50000  |
+-----+-----+-----+-----+
2 rows in set (0.033 sec)

```

9. Tampilkan no rekening yang memiliki kode cabang bernilai NULL

```
MariaDB [perbankan]> select*from rekening where kode_cabangFK is null;
Empty set (0.001 sec)
```

10. Tampilkan pada baris pertama setelah melewati baris pertama, yang di tampilkan no rekening, jenis transaksi, tanggal dan saldo, dimana transaksi terjadi pada 2019 desember dan no rekeningnya NULL

```
MariaDB [perbankan]> select no_rekeningFK, jenis_transaksi, tanggal, jumlah from transaksi where tanggal like '2009-12%' and no_rekeningFK is NULL order by no_transaksi
limit 1 offset 1;
Empty set (0.001 sec)
```

11. Membuat 5 soal dan jawabanya menurut sediri bukan menurut dosen

- a. Tampilkan nama nasabah dan alamat nasabah diurutkan dari belakang berdasarkan nama nasabah.

```
MariaDB [perbankan]> select nama_nasabah, alamat_nasabah from nasabah order by nama_nasabah desc;
+-----+-----+
| nama_nasabah | alamat_nasabah |
+-----+-----+
| Sutopo       | Jl.Jendral Sudirman 12 |
| Suparman     | Jl.Hsanusin B1       |
| Satria Eka Jaya | Jl.Slamet Riyadi 45   |
| Sari Nurti    | Jl.Pangandaran 11     |
| Paryo        | Jl. G 96            |
| Nopal Ganteng | Jl. F 96            |
| Nopal        | Jl. E 69            |
| Nauwal       | Jl. D 69            |
| Moden        | Jl. I 96            |
| Maryati      | Jl.MT.Haryono 31     |
| Maman        | Jl. H 96            |
| Kartika Padmasari | Jl.Manggis 15       |
| Irsyad       | Jl. B 69            |
| Irfananda    | Jl. A 69            |
| Canka Lokananta | Jl. Tidar 86        |
| Budi Martono | Jl.Merak 22         |
| Budi Eko Prayogo | Jl.Kantil 30        |
| Ainun        | Jl. C 69            |
| Agos         | Jl. J 96            |
+-----+-----+
19 rows in set (0.001 sec)
```

- b. Tampilkan nama nasabah, jenis transaksi dan jumlah transaksi dimana jumlah transaksi = Rp.200.000

```
MariaDB [perbankan]> select nama_nasabah, jenis_transaksi, jumlah from nasabah, transaksi where jumlah = 200000 and nasabah.id_nasabah = transaksi.id_nasabahFK;
+-----+-----+-----+
| nama_nasabah | jenis_transaksi | jumlah |
+-----+-----+-----+
| Sutopo       | kredit          | 200000 |
| Kartika Padmasari | kredit          | 200000 |
| Maryati      | kredit          | 200000 |
| Budi Eko Prayogo | kredit          | 200000 |
| Kartika Padmasari | kredit          | 200000 |
| Maryati      | kredit          | 200000 |
| Budi Eko Prayogo | kredit          | 200000 |
| Irsyad       | kredit          | 200000 |
| Nopal        | kredit          | 200000 |
+-----+-----+-----+
9 rows in set (0.001 sec)
```

- c. Tampilkan 3 saja nama,id dan alamat nasabah

```
MariaDB [perbankan]> select*from nasabah order by nama_nasabah limit 3;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 20         | Agos         | Jl. J 96        |
| 13         | Ainun        | Jl. C 69        |
| 5          | Budi Eko Prayogo | Jl.Kantil 30    |
+-----+-----+-----+
3 rows in set (0.001 sec)
```

- d. Tampilkan nasabah yang memiliki nama “Moden”

```
MariaDB [perbankan]> select nama_nasabah from nasabah where nama_nasabah = 'Moden';
+-----+
| nama_nasabah |
+-----+
| Moden        |
+-----+
1 row in set (0.001 sec)
```

- e. Tampilkan nama nasabah dan alamat nasabah dimana nama nasabah diawali dengan kata “No”

```
MariaDB [perbankan]> select nama_nasabah, alamat_nasabah from nasabah where nama_nasabah like 'No%';
+-----+-----+
| nama_nasabah | alamat_nasabah |
+-----+-----+
| Nopal        | Jl. E 69       |
| Nopal Ganteng | Jl. F 96       |
+-----+-----+
2 rows in set (0.001 sec)
```