# MODUL 7 (JOIN)
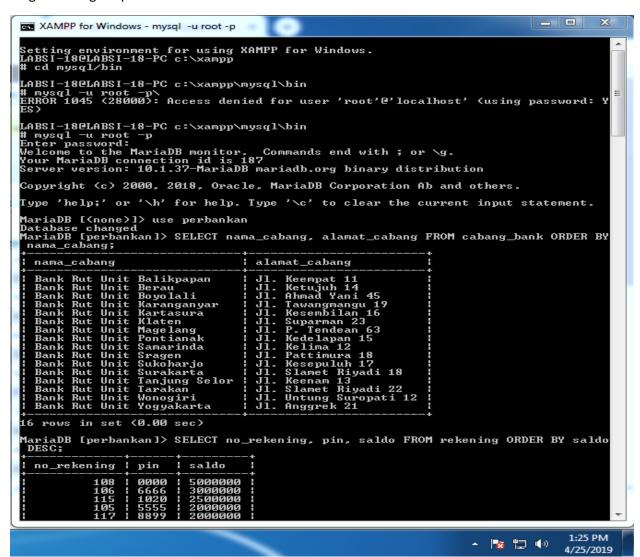
NAMA : Adnan Shafry Ari Purnama Aji
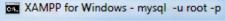
NIM : L200170021

KELAS : A

Langkah – langkah praktikum

```
XAMPP for Windows - mysql -u root -p

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         |
|         107 | Kartika Padmasari| Jl. Manggis 15         |
```
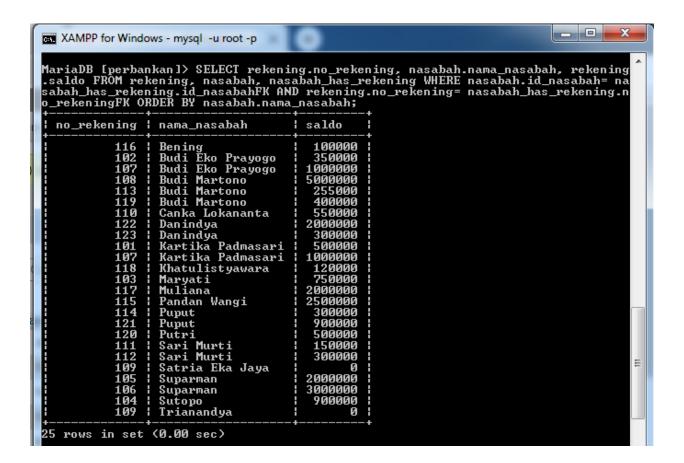
1:27 PM
4/25/2019

```
XAMPP for Windows - 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_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 | Trianandya         | 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 |
```
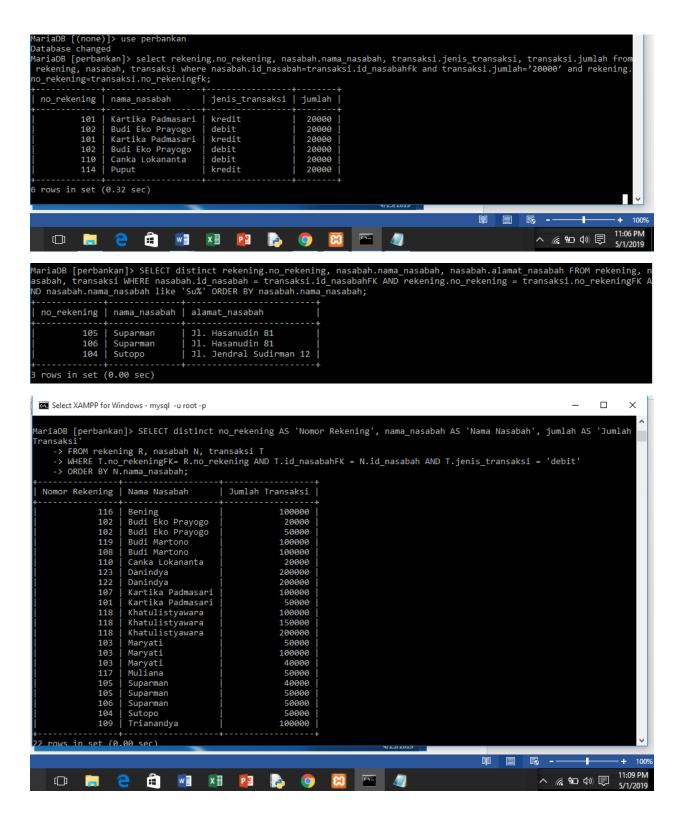
1:27 PM
4/25/2019

```
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 [(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)
```

TUGAS TAMBAHAN

```
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='BRUSU'ORDER BY nasabah.nama_nasabah;
+------------+--------------+----------------+-------------+--------------+-------------+--------------+------+---------+
| id_nasabah | nama_nasabah | alamat_nasabah | id_nasabahFK | no_rekeningFK | no_rekening | kode_cabangFK | pin  | saldo   |
+------------+--------------+----------------+-------------+--------------+-------------+--------------+------+---------+
|         11 | Danindya     | Jl. Aki Balak 22 |         11 |          122 |         122 | BRUSU        | 2200 | 2000000 |
+------------+--------------+----------------+-------------+--------------+-------------+--------------+------+---------+
1 row in set (0.00 sec)
```

```
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='BRUKA'ORDER BY nasabah.nama_nasabah;
+------------+--------------+----------------+-------------+--------------+-------------+--------------+------+---------+
| id_nasabah | nama_nasabah | alamat_nasabah | id_nasabahFK | no_rekeningFK | no_rekening | kode_cabangFK | pin  | saldo   |
+------------+--------------+----------------+-------------+--------------+-------------+--------------+------+---------+
|         10 | Budi Martono | Jl. Merak 22   |         10 |          119 |         119 | BRUKA        | 1010 | 400000  |
+------------+--------------+----------------+-------------+--------------+-------------+--------------+------+---------+
1 row in set (0.00 sec)
```

```
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='BRUBE'ORDER BY nasabah.nama_nasabah;
+------------+--------------+-------------------+-------------+--------------+-------------+--------------+------+---------+
| id_nasabah | nama_nasabah | alamat_nasabah    | id_nasabahFK | no_rekeningFK | no_rekening | kode_cabangFK | pin  | saldo   |
+------------+--------------+-------------------+-------------+--------------+-------------+--------------+------+---------+
|         13 | Muliana      | Jl. Jend. Sudirman 97 |      13 |          117 |         117 | BRUBE        | 8899 | 2000000 |
+------------+--------------+-------------------+-------------+--------------+-------------+--------------+------+---------+
1 row in set (0.00 sec)
```

```
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='BRUTA'ORDER BY nasabah.nama_nasabah;
+------------+--------------+----------------+-------------+--------------+-------------+--------------+------+---------+
| id_nasabah | nama_nasabah | alamat_nasabah | id_nasabahFK | no_rekeningFK | no_rekening | kode_cabangFK | pin  | saldo   |
+------------+--------------+----------------+-------------+--------------+-------------+--------------+------+---------+
|         15 | Bening       | Jl. Agatis 10  |         15 |          116 |         116 | BRUTA        | 9911 | 100000  |
+------------+--------------+----------------+-------------+--------------+-------------+--------------+------+---------+
1 row in set (0.00 sec)
```

```
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='BRUT'ORDER BY nasabah.nama_nasabah;
+------------+--------------+-------------------+-------------+--------------+-------------+--------------+------+---------+
| id_nasabah | nama_nasabah | alamat_nasabah    | id_nasabahFK | no_rekeningFK | no_rekening | kode_cabangFK | pin  | saldo   |
+------------+--------------+-------------------+-------------+--------------+-------------+--------------+------+---------+
|         11 | Danindya     | Jl. Aki Balak 22  |         11 |          123 |         123 | BRUT         | 1997 | 300000  |
|         17 | Pandan Wangi | Jl. Imam Bonjol 20 |        17 |          115 |         115 | BRUT         | 1020 | 2500000 |
+------------+--------------+-------------------+-------------+--------------+-------------+--------------+------+---------+
2 rows in set (0.00 sec)

MariaDB [perbankan]>
```