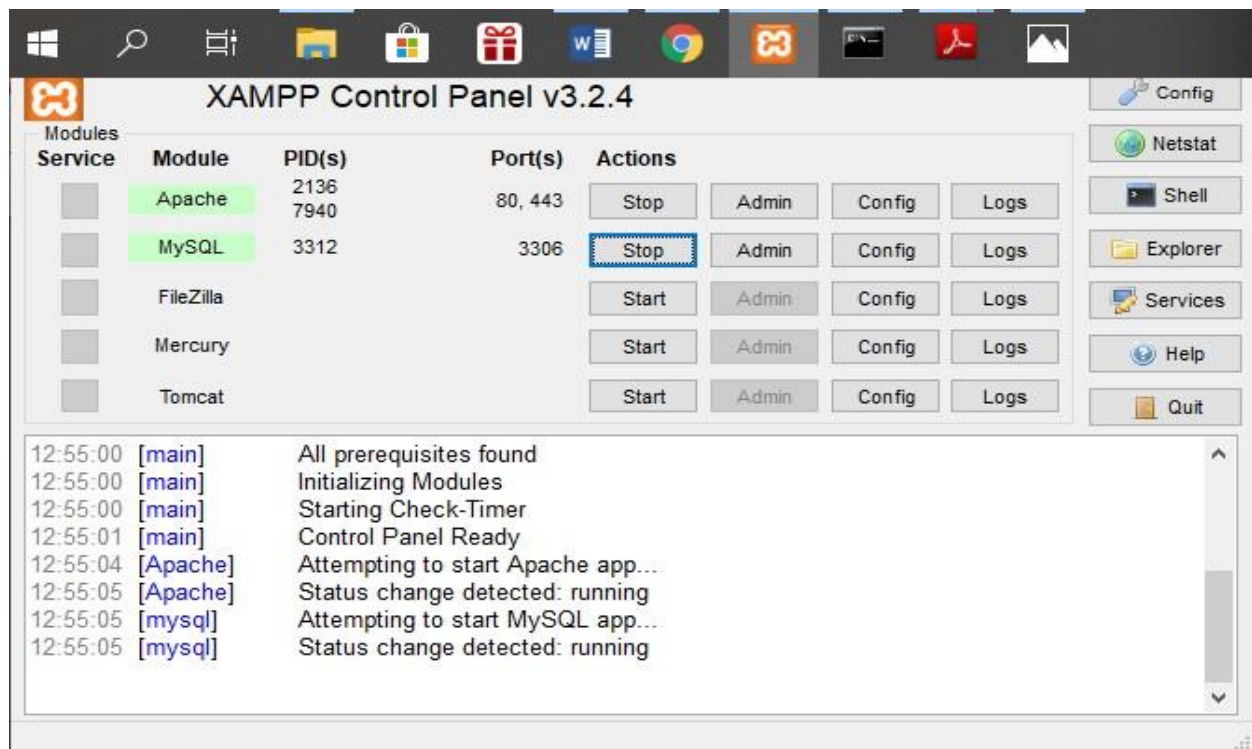


NAMA : Faizal Wahyu N

NIM : L20018011

KELAS : A

Menjalankan Xampp



Latihan

Tabel : nasabah

Pada CMD

```
Command Prompt - mysql -u root -p

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)]>
MariaDB [(none)]> use perbankan;
Database changed
MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)
-> values(1, 'Sutopo' , 'Jl. Jendral Sudirman 12');
Query OK, 1 row affected (0.047 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)
-> values(2, 'Maryanti' , 'Jl. MT.Haryono');
Query OK, 1 row affected (0.039 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)
-> values(3, 'Suparman' , 'Jl. Hasanudin' );
Query OK, 1 row affected (0.049 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)
-> values(4, 'Kartika Padmasari' , 'Jl. Manggis 15');
Query OK, 1 row affected (0.049 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)
-> values(5, 'Budi Eko Prayoga' , 'Jl. Kantil 30');
Query OK, 1 row affected (0.039 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)
-> (6, 'Satria Eka Jaya' , 'Jl. Slamet Riyadi 45');
```

```
Command Prompt - mysql -u root -p

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)
-> (6, 'Satria Eka Jaya' , 'Jl. Slamet Riyadi 45');
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 '6, 'Satria Eka Jaya' , 'Jl. Slamet Riyadi 45')' at line 2
MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)
-> values(6, 'Satria Eka Jaya' , 'Jl. Slamet Riyadi 45');
Query OK, 1 row affected (0.057 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)
-> values(7, 'Indri Hapsari' , 'Jl. Sutoyo 5');
Query OK, 1 row affected (0.058 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)
-> values(8, 'Sari Murti' , 'Jl. Pangandaran 11');
Query OK, 1 row affected (0.043 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)
-> (9, 'Canka Lokananta' , 'Jl.Tidar 86');
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 '9, 'Canka Lokananta' , 'Jl.Tidar 86')' at line 2
MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)
-> values(9, 'Canka Lokananta' , 'Jl.Tidar 86');
Query OK, 1 row affected (0.049 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)
-> values(10, 'Budi Murtono' , 'Jl.Merak 22');
Query OK, 1 row affected (0.048 sec)

MariaDB [perbankan]> selectt * from nasabah;
```

```
Command Prompt - mysql -u root -p
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 '9, 'Canka Lokananta', 'Jl.Tidar 86')' at line 2
MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)
-> values(9, 'Canka Lokananta', 'Jl.Tidar 86');
Query OK, 1 row affected (0.049 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)
-> values(10, 'Budi Murtono', 'Jl.Merak 22');
Query OK, 1 row affected (0.048 sec)

MariaDB [perbankan]> selectt * from 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 'selectt * from nasabah' at line 1
MariaDB [perbankan]> select * from nasabah;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1 | Sutopo | Jl. Jendral Sudirman 12 |
| 2 | Maryanti | Jl. MT.Haryono |
| 3 | Suparman | Jl. Hasanudin |
| 4 | Kartika Padmasari | Jl. Manggis 15 |
| 5 | Budi Eko Prayoga | Jl. Kantil 30 |
| 6 | Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| 7 | Indri Hapsari | Jl. Sutoyo 5 |
| 8 | Sari Murti | Jl. Pangandaran 11 |
| 9 | Canka Lokananta | Jl.Tidar 86 |
| 10 | Budi Murtono | Jl.Merak 22 |
+-----+-----+-----+
10 rows in set (0.001 sec)
```

PADA <http://localhost/phpmyadmin/sql.php?server=1&db=perbankan&table=nasabah&pos=0>

The screenshot shows the phpMyAdmin web interface in a browser. The left sidebar displays a database structure tree with 'perbankan' selected. The main panel shows the 'nasabah' table with 10 rows of data. The table has columns: id_nasabah, nama_nasabah, and alamat_nasabah. The data is as follows:

id_nasabah	nama_nasabah	alamat_nasabah
1	Sutopo	Jl. Jendral Sudirman 12
2	Maryanti	Jl. MT.Haryono
3	Suparman	Jl. Hasanudin
4	Kartika Padmasari	Jl. Manggis 15
5	Budi Eko Prayoga	Jl. Kantil 30
6	Satria Eka Jaya	Jl. Slamet Riyadi 45
7	Indri Hapsari	Jl. Sutoyo 5
8	Sari Murti	Jl. Pangandaran 11
9	Canka Lokananta	Jl.Tidar 86
10	Budi Murtono	Jl.Merak 22

Tabel : cabang_bank

PADA CMD

```
Command Prompt - mysql -u root -p
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

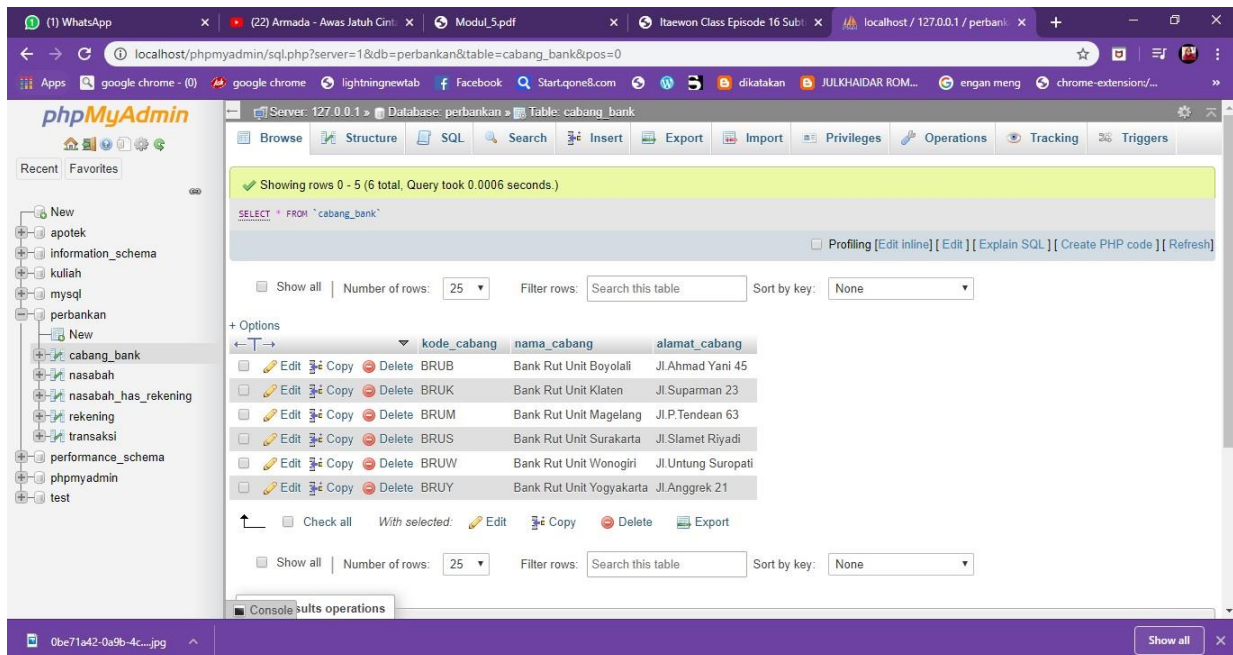
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use perbankan;
Database changed
MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang)values
-> ('BRUS', 'Bank Rut Unit Surakarta', 'Jl.Slamet Riyadi'),
-> ('BRUM', 'Bank Rut Unit Magelang', 'Jl.P.Tendean 63'),
-> ('BRUB', 'Bank Rut Unit Boyolali', 'Jl.Ahmad Yani 45'),
-> ('BRUK', 'Bank Rut Unit Klaten', 'Jl.Suparman 23'),
-> ('BRUY', 'Bank Rut Unit Yogyakarta', 'Jl.Anggrek 21'),
-> ('BRUW', 'Bank Rut Unit Wonogiri', 'Jl.Untung Suropati');
Query OK, 6 rows affected (0.048 sec)
Records: 6 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> select * from cabang_bank;
+-----+-----+-----+
| kode_cabang | nama_cabang          | alamat_cabang      |
+-----+-----+-----+
| BRUB       | Bank Rut Unit Boyolali | Jl.Ahmad Yani 45   |
| BRUK       | Bank Rut Unit Klaten  | Jl.Suparman 23     |
| BRUM       | Bank Rut Unit Magelang | Jl.P.Tendean 63    |
| BRUS       | Bank Rut Unit Surakarta | Jl.Slamet Riyadi   |
| BRUW       | Bank Rut Unit Wonogiri | Jl.Untung Suropati |
| BRUY       | Bank Rut Unit Yogyakarta | Jl.Anggrek 21     |
+-----+-----+-----+
6 rows in set (0.000 sec)

MariaDB [perbankan]>
```

PADA



http://localhost/phpmyadmin/sql.php?server=1&db=perbankan&table=cabang_bank&pos=0

Tabel : rekening

PADA CMD

```
Select Command Prompt - mysql -u root -p
MariaDB [perbankan]> insert into rekening(no_rekening,kode_cabangFK,pin,saldo)values
-> (101, 'BRUS', '1111', 500000),
-> (102, 'BRUS', '2222', 350000),
-> (103, 'BRUS', '3333', 750000),
-> (104, 'BRUM', '4444', 900000),
-> (105, 'BRUM', '5555', 2000000),
-> (106, 'BRUS', '6666', 3000000),
-> (107, 'BRUS', '7777', 1000000),
-> (108, 'BRUB', '0000', 5000000),
-> (109, 'BRUB', '9999', 0),
-> (110, 'BRUY', '1234', 550000),
-> (111, 'BRUK', '4321', 150000),
-> (112, 'BRUK', '0123', 300000),
-> (113, 'BRUY', '8888', 255000);
Query OK, 13 rows affected (0.057 sec)
Records: 13  Duplicates: 0  Warnings: 0

MariaDB [perbankan]> select * from rekening;
+-----+-----+-----+-----+
| no_rekening | kode_cabangFK | pin | saldo |
+-----+-----+-----+-----+
| 101 | BRUS | 1111 | 500000 |
| 102 | BRUS | 2222 | 350000 |
| 103 | BRUS | 3333 | 750000 |
| 104 | BRUM | 4444 | 900000 |
| 105 | BRUM | 5555 | 2000000 |
| 106 | BRUS | 6666 | 3000000 |
| 107 | BRUS | 7777 | 1000000 |
| 108 | BRUB | 0000 | 5000000 |
| 109 | BRUB | 9999 | 0 |
| 110 | BRUY | 1234 | 550000 |
| 111 | BRUK | 4321 | 150000 |
| 112 | BRUK | 0123 | 300000 |
| 113 | BRUY | 8888 | 255000 |
+-----+-----+-----+-----+
13 rows in set (0.000 sec)

MariaDB [perbankan]>
```

PADA <http://localhost/phpmyadmin/sql.php?server=1&db=perbankan&table=rekening&pos=0>

The screenshot shows the phpMyAdmin web interface. The left sidebar displays the database structure, with 'perbankan' selected. The main panel shows the 'rekening' table with 13 rows of data. The table has four columns: 'no_rekening', 'kode_cabangFK', 'pin', and 'saldo'. Each row includes interactive icons for Edit, Copy, and Delete. The data is as follows:

no_rekening	kode_cabangFK	pin	saldo
101	BRUS	1111	500000
102	BRUS	2222	350000
103	BRUS	3333	750000
104	BRUM	4444	900000
105	BRUM	5555	2000000
106	BRUS	6666	3000000
107	BRUS	7777	1000000
108	BRUB	0000	5000000
109	BRUB	9999	0
110	BRUY	1234	550000
111	BRUK	4321	150000
112	BRUK	0123	300000
113	BRUY	8888	255000

Tabel : nasabah_has_rekening

PADA CMD

```
Command Prompt - mysql -u root -p
on for the right syntax to use near '' at line 2
MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK)values
  -> (1,104),
  -> (2,103),
  -> (3,105),
  -> (3,106),
  -> (4,101),
  -> (4,107),
  -> (5,102),
  -> (5,107),
  -> (6,109),
  -> (7,109),
  -> (8,111),
  -> (9,110),
  -> (10,113),
  -> (8,112),
  -> (10,108);
Query OK, 15 rows affected (0.061 sec)
Records: 15  Duplicates: 0  Warnings: 0

MariaDB [perbankan]> select * from nasabah_has_rekening;
+-----+-----+
| id_nasabahFK | no_rekeningFK |
+-----+-----+
| 1 | 104 |
| 2 | 103 |
| 3 | 105 |
| 3 | 106 |
| 4 | 101 |
| 4 | 107 |
| 5 | 102 |
| 5 | 107 |
| 6 | 109 |
| 7 | 109 |
| 8 | 111 |
| 8 | 112 |
| 9 | 110 |
| 10 | 108 |
| 10 | 113 |
+-----+-----+
15 rows in set (0.000 sec)

MariaDB [perbankan]>
```


PADA

http://localhost/phpmyadmin/sql.php?server=1&db=perbankan&table=nasabah_has_rekening&pos=0

The screenshot displays the phpMyAdmin web interface. The browser's address bar shows the URL: `localhost/phpmyadmin/sql.php?server=1&db=perbankan&table=nasabah_has_rekening&pos=0`. The interface is divided into several sections:

- Left Sidebar:** A tree view of the database structure. The 'perbankan' database is selected, and the 'nasabah_has_rekening' table is highlighted.
- Top Navigation Bar:** Contains tabs for 'Browse', 'Structure', 'SQL', 'Search', 'Insert', 'Export', 'Import', 'Privileges', 'Operations', 'Tracking', and 'Triggers'. The 'Browse' tab is active.
- Main Content Area:** Displays the data of the 'nasabah_has_rekening' table. It includes a table with two columns: 'id_nasabahFK' and 'no_rekeningFK'. Below the table are options for 'Edit', 'Copy', and 'Delete' for each row.
- Bottom Console:** A dark area at the bottom of the interface, currently empty.

id_nasabahFK	no_rekeningFK
1	104
2	103
3	105
3	106
4	101
4	107
5	102
5	107
6	109
7	109
8	111
8	112
9	110
10	108
10	113

Tabel : transaksi

PADA CMD

```
Command Prompt - mysql -u root -p

MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values

-> ('1', '105', 3, 'debit', '2009-11-10', '50000'),
-> ('2', '103', 2, 'debit', '2009-11-10', '40000'),
-> ('3', '101', 4, 'kredit', '2009-11-12', '20000'),
-> ('4', '106', 3, 'debit', '2009-11-13', '50000'),
-> ('5', '107', 5, 'kredit', '2009-11-13', '30000'),
-> ('6', '104', 1, 'kredit', '2009-11-15', '20000'),
-> ('7', '110', 9, 'kredit', '2009-11-15', '150000'),
-> ('8', '102', 5, 'debit', '2009-11-16', '20000'),
-> ('9', '105', 3, 'kredit', '2009-11-18', '50000'),
-> ('10', '107', 4, 'debit', '2009-11-19', '100000'),
-> ('11', '103', 2, 'debit', '2009-11-19', '100000'),
-> ('12', '104', 1, 'debit', '2009-11-19', '50000'),
-> ('13', '107', 4, 'kredit', '2009-11-20', '200000'),
-> ('14', '105', 3, 'debit', '2009-11-21', '40000'),
-> ('15', '104', 1, 'kredit', '2009-11-22', '100000'),
-> ('16', '101', 4, 'kredit', '2009-11-22', '20000'),
-> ('17', '103', 2, 'debit', '2009-11-22', '50000'),
-> ('18', '102', 5, 'debit', '2009-11-25', '50000'),
-> ('19', '108', 10, 'debit', '2009-11-26', '100000'),
-> ('20', '106', 3, 'kredit', '2009-11-27', '50000'),
-> ('21', '103', 2, 'kredit', '2009-11-28', '200000'),
-> ('22', '105', 3, 'kredit', '2009-11-28', '100000'),
-> ('23', '102', 5, 'debit', '2009-11-30', '20000'),
-> ('24', '104', 1, 'debit', '2009-12-1', '50000'),
-> ('25', '103', 2, 'debit', '2009-12-2', '40000'),
-> ('26', '101', 4, 'debit', '2009-12-4', '50000'),
-> ('27', '103', 2, 'kredit', '2009-12-5', '100000'),
-> ('28', '102', 5, 'kredit', '2009-12-5', '200000'),
-> ('29', '109', 7, 'debit', '2009-12-5', '100000'),
-> ('30', '110', 9, 'debit', '2009-12-6', '20000');

Query OK, 30 rows affected (0.050 sec)
Records: 30  Duplicates: 0  Warnings: 0

MariaDB [perbankan]> select * from transaksi;
```

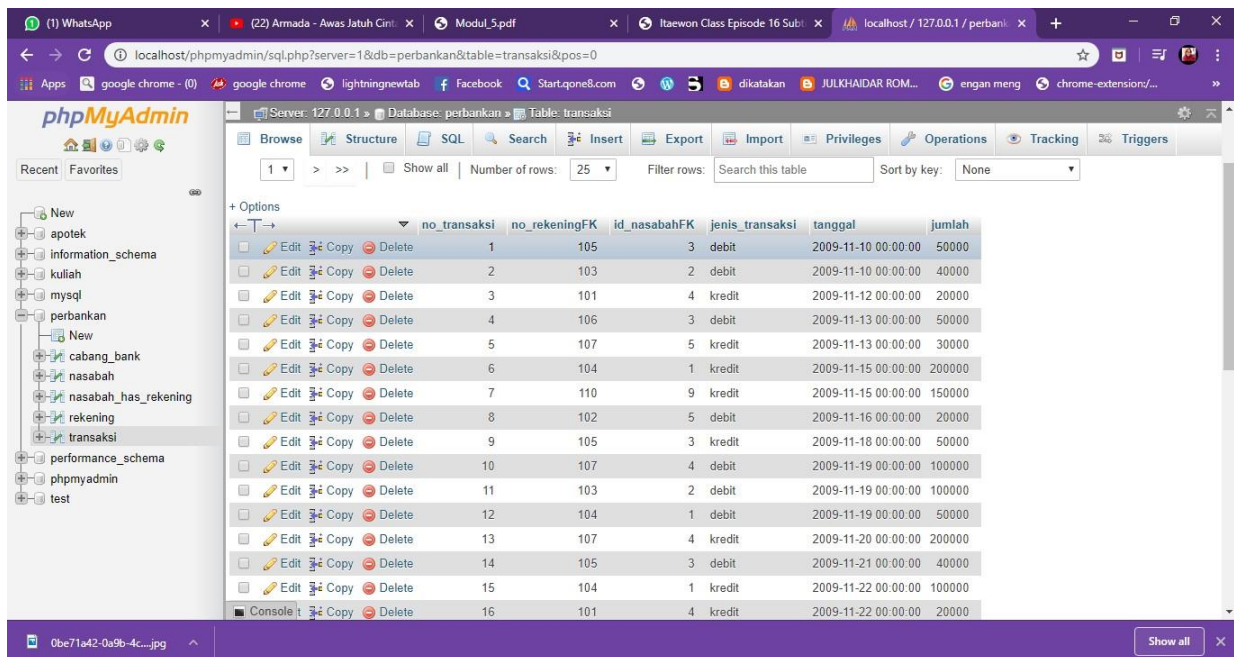
no_transaksi	no_rekeningFK	id_nasabahFK	jenis_transaksi	tanggal	jumlah
1	105	3	debit	2009-11-10 00:00:00	50000
2	103	2	debit	2009-11-10 00:00:00	40000
3	101	4	kredit	2009-11-12 00:00:00	20000


```
Command Prompt - mysql -u root -p

-> ('27', '103', 2, 'kredit', '2009-12-5', '100000'),
-> ('28', '102', 5, 'kredit', '2009-12-5', '200000'),
-> ('29', '109', 7, 'debit', '2009-12-5', '100000'),
-> ('30', '110', 9, 'debit', '2009-12-6', '20000');
Query OK, 30 rows affected (0.050 sec)
Records: 30 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> select * from transaksi;
+-----+-----+-----+-----+-----+-----+
| no_transaksi | no_rekeningFK | id_nasabahFK | jenis_transaksi | tanggal | jumlah |
+-----+-----+-----+-----+-----+-----+
| 1 | 105 | 3 | debit | 2009-11-10 00:00:00 | 50000 |
| 2 | 103 | 2 | debit | 2009-11-10 00:00:00 | 40000 |
| 3 | 101 | 4 | kredit | 2009-11-12 00:00:00 | 20000 |
| 4 | 106 | 3 | debit | 2009-11-13 00:00:00 | 50000 |
| 5 | 107 | 5 | kredit | 2009-11-13 00:00:00 | 30000 |
| 6 | 104 | 1 | kredit | 2009-11-15 00:00:00 | 200000 |
| 7 | 110 | 9 | kredit | 2009-11-15 00:00:00 | 150000 |
| 8 | 102 | 5 | debit | 2009-11-16 00:00:00 | 20000 |
| 9 | 105 | 3 | kredit | 2009-11-18 00:00:00 | 50000 |
| 10 | 107 | 4 | debit | 2009-11-19 00:00:00 | 100000 |
| 11 | 103 | 2 | debit | 2009-11-19 00:00:00 | 100000 |
| 12 | 104 | 1 | debit | 2009-11-19 00:00:00 | 50000 |
| 13 | 107 | 4 | kredit | 2009-11-20 00:00:00 | 200000 |
| 14 | 105 | 3 | debit | 2009-11-21 00:00:00 | 40000 |
| 15 | 104 | 1 | kredit | 2009-11-22 00:00:00 | 100000 |
| 16 | 101 | 4 | kredit | 2009-11-22 00:00:00 | 20000 |
| 17 | 103 | 2 | debit | 2009-11-22 00:00:00 | 50000 |
| 18 | 102 | 5 | debit | 2009-11-25 00:00:00 | 50000 |
| 19 | 108 | 10 | debit | 2009-11-26 00:00:00 | 100000 |
| 20 | 106 | 3 | kredit | 2009-11-27 00:00:00 | 50000 |
| 21 | 103 | 2 | kredit | 2009-11-28 00:00:00 | 200000 |
| 22 | 105 | 3 | kredit | 2009-11-28 00:00:00 | 100000 |
| 23 | 102 | 5 | debit | 2009-11-30 00:00:00 | 20000 |
| 24 | 104 | 1 | debit | 2009-12-01 00:00:00 | 50000 |
| 25 | 103 | 2 | debit | 2009-12-02 00:00:00 | 40000 |
| 26 | 101 | 4 | debit | 2009-12-04 00:00:00 | 50000 |
| 27 | 103 | 2 | kredit | 2009-12-05 00:00:00 | 100000 |
| 28 | 102 | 5 | kredit | 2009-12-05 00:00:00 | 200000 |
| 29 | 109 | 7 | debit | 2009-12-05 00:00:00 | 100000 |
| 30 | 110 | 9 | debit | 2009-12-06 00:00:00 | 20000 |
+-----+-----+-----+-----+-----+-----+
30 rows in set (0.000 sec)
```

PADA <http://localhost/phpmyadmin/sql.php?server=1&db=perbankan&table=transaksi&pos=0>



phpMyAdmin

Server: 127.0.0.1 » Database: perbankan » Table: transaksi

	no_transa	no_rekening	id_nasabah	jenis_transaksi	tanggal	jum
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	11	103	2	debit	2009-11-19 00:00:00	100000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	12	104	1	debit	2009-11-19 00:00:00	50000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	13	107	4	kredit	2009-11-20 00:00:00	200000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	14	105	3	debit	2009-11-21 00:00:00	40000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	15	104	1	kredit	2009-11-22 00:00:00	100000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	16	101	4	kredit	2009-11-22 00:00:00	20000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	17	103	2	debit	2009-11-22 00:00:00	50000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	18	102	5	debit	2009-11-25 00:00:00	50000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	19	108	10	debit	2009-11-26 00:00:00	100000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	20	106	3	kredit	2009-11-27 00:00:00	50000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	21	103	2	kredit	2009-11-28 00:00:00	200000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	22	105	3	kredit	2009-11-28 00:00:00	100000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	23	102	5	debit	2009-11-30 00:00:00	20000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	24	104	1	debit	2009-12-01 00:00:00	50000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	25	103	2	debit	2009-12-02 00:00:00	40000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	26	101	4	debit	2009-12-04 00:00:00	50000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	27	103	2	kredit	2009-12-05 00:00:00	100000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	28	102	5	kredit	2009-12-05 00:00:00	200000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	29	109	7	debit	2009-12-05 00:00:00	100000
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	30	110	9	debit	2009-12-06 00:00:00	20000

Jawaban no 6 dan 7

```

Command Prompt - mysql -u root -p

+-----+-----+-----+-----+-----+-----+
| 30 | 110 | 9 | debit | 2009-12-06 00:00:00 | 20000 |
+-----+-----+-----+-----+-----+-----+
30 rows in set (0.000 sec)

MariaDB [perbankan]> UPDATE nasabah
  -> SET alamat_nasabah = 'Jalan Slamet Riyadi No.34'
  -> WHERE nama_nasabah = 'Indri Hapsari';
Query OK, 1 row affected (0.086 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [perbankan]> UPDATE cabang_bank
  -> SET alamat_cabang = 'Jalan A. Yani No.23'
  -> WHERE nama_cabang = 'BRUM'
  -> ;
Query OK, 0 rows affected (0.000 sec)
Rows matched: 0 Changed: 0 Warnings: 0

MariaDB [perbankan]> DELETE FROM nasabah
  -> WHERE id_nasabah = 7;
Query OK, 1 row affected (0.085 sec)

MariaDB [perbankan]> DELETE FROM cabang_bank
  -> WHERE nama_cabang = 'Bank Rut Unit Magelang';
Query OK, 1 row affected (0.098 sec)

MariaDB [perbankan]>

```

TUGAS

Tabel : nasabah ditambahkan 10 record

```
Command Prompt - mysql -u root -p

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use perbankan
Database changed
MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)values
-> (11, 'Putri Siwi' , 'Jl.Werkurdara 45'),
-> (12, 'Cindy Siwi' , 'Jl.Dara 55'),
-> (13, 'Fauzi Saputro' , 'Jl.Klaten 23'),
-> (14, 'Aji Saputro' , 'Jl.Kenangan 11'),
-> (15, 'Dewi' , 'Jl.Sribedungan 89'),
-> (16, 'Dewi Amanda' , 'Jl.Ahmad Yamin 546'),
-> (17, 'Handini Putri' , 'Jl.Arif Rahman Hakim 46'),
-> (18, 'Anisa' , 'Jl.Anggrek Hakim 5'),
-> (19, 'Ainin' , 'Jl.Fatmawati 78'),
-> (20, 'Syakila Amalia' , 'Jl.Sudirman 23');
Query OK, 10 rows affected (0.110 sec)
Records: 10  Duplicates: 0  Warnings: 0

MariaDB [perbankan]> select * from nasabah;
```

id_nasabah	nama_nasabah	alamat_nasabah
1	Sutopo	Jl. Jendral Sudirman 12
2	Maryanti	Jl. MT.Haryono
3	Suparman	Jl. Hasanudin
4	Kartika Padmasari	Jl. Manggis 15
5	Budi Eko Prayoga	Jl. Kantil 30
6	Satria Eka Jaya	Jl. Slamet Riyadi 45
8	Sari Murti	Jl. Pangandaran 11
9	Canka Lokananta	Jl.Tidar 86
10	Budi Murtono	Jl.Merak 22
11	Putri Siwi	Jl.Werkurdara 45
12	Cindy Siwi	Jl.Dara 55
13	Fauzi Saputro	Jl.Klaten 23
14	Aji Saputro	Jl.Kenangan 11
15	Dewi	Jl.Sribedungan 89
16	Dewi Amanda	Jl.Ahmad Yamin 546
17	Handini Putri	Jl.Arif Rahman Hakim 46
18	Anisa	Jl.Anggrek Hakim 5
19	Ainin	Jl.Fatmawati 78
20	Syakila Amalia	Jl.Sudirman 23

Tabel : cabang_bank ditambahkan 10 record

```
Command Prompt - mysql -u root -p
+-----+-----+-----+
| 20 | Syakila Amalia | Jl.Sudirman 23 |
+-----+-----+-----+
19 rows in set (0.001 sec)

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang)values
-> ('BRUD', 'Bank Rut Dukuhmaja', 'Jl. Sleman 67'),
-> ('BRUZ', 'Bank Rut Zimbabwe', 'Jl. Papua 61'),
-> ('BRUP', 'Bank Rut Unit Pati', 'Jl. Pati Tirtayasa 4'),
-> ('BRUG', 'Bank Rut Unit Guci', 'Jl. Moh. Yamin 21'),
-> ('BRUJ', 'Bank Rut Unit Jakarta', 'Jl. Mohammad 98'),
-> ('BRUE', 'Bank Rut Unit Etuna', 'Jl. Sorong 9'),
-> ('BRUA', 'Bank Rut Unit Amal', 'Jl. Tegal Arum 96'),
-> ('BRUAC', 'Bank Rut Unit Aceh', 'Jl. Pattimura 1'),
-> ('BRUN', 'Bank Rut Unit Nusakambangan', 'Jl. Nasa 134'),
-> ('BRUC', 'Bank Rut Unit Cendana', 'Jl. Angkasayana 56');
Query OK, 10 rows affected (0.096 sec)
Records: 10 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> select * from cabang_bank;
+-----+-----+-----+
| kode_cabang | nama_cabang | alamat_cabang |
+-----+-----+-----+
| BRUA | Bank Rut Unit Amal | Jl. Tegal Arum 96 |
| BRUAC | Bank Rut Unit Aceh | Jl. Pattimura 1 |
| BRUB | Bank Rut Unit Boyolali | Jl.Ahmad Yani 45 |
| BRUC | Bank Rut Unit Cendana | Jl. Angkasayana 56 |
| BRUD | Bank Rut Dukuhmaja | Jl. Sleman 67 |
| BRUE | Bank Rut Unit Etuna | Jl. Sorong 9 |
| BRUG | Bank Rut Unit Guci | Jl. Moh. Yamin 21 |
| BRUJ | Bank Rut Unit Jakarta | Jl. Mohammad 98 |
| BRUK | Bank Rut Unit Klaten | Jl.Suparman 23 |
| BRUN | Bank Rut Unit Nusakambangan | Jl. Nasa 134 |
| BRUP | Bank Rut Unit Pati | Jl. Pati Tirtayasa 4 |
| BRUS | Bank Rut Unit Surakarta | Jl.Slamet Riyadi |
| BRUW | Bank Rut Unit Wonogiri | Jl.Untung Suropati |
| BRUY | Bank Rut Unit Yogyakarta | Jl.Anggrek 21 |
| BRUZ | Bank Rut Zimbabwe | Jl. Papua 61 |
+-----+-----+-----+
15 rows in set (0.001 sec)

MariaDB [perbankan]>
```

Tabel : rekening ditambahkan 10 record

```
Select Command Prompt - mysql -u root -p
MariaDB [perbankan]> insert into rekening(no_rekening,kode_cabangFK,pin,saldo)values
-> (114, 'BRUN', '1267', 60000),
-> (115, 'BRUR', '1167', 66000),
-> (116, 'BRUU', '1187', 66050),
-> (117, 'BRUZ', '1999', 660500),
-> (118, 'BRUG', '1997', 160500),
-> (119, 'BRUY', '1567', 160000),
-> (120, 'BRUX', '3367', 167000),
-> (121, 'BRUQ', '3654', 200000),
-> (122, 'BRUT', '9009', 250000),
-> (123, 'BRUF', '9099', 154000);
Query OK, 10 rows affected (0.050 sec)
Records: 10 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> select * from rekening;
+-----+-----+-----+-----+
| no_rekening | kode_cabangFK | pin | saldo |
+-----+-----+-----+-----+
| 101 | BRUS | 1111 | 500000 |
| 102 | BRUS | 2222 | 350000 |
| 103 | BRUS | 3333 | 750000 |
| 104 | BRUM | 4444 | 900000 |
| 105 | BRUM | 5555 | 2000000 |
| 106 | BRUS | 6666 | 3000000 |
| 107 | BRUS | 7777 | 1000000 |
| 108 | BRUB | 0000 | 5000000 |
| 109 | BRUB | 9999 | 0 |
| 110 | BRUY | 1234 | 550000 |
| 111 | BRUK | 4321 | 150000 |
| 112 | BRUK | 0123 | 300000 |
| 113 | BRUY | 8888 | 255000 |
| 114 | BRUN | 1267 | 60000 |
| 115 | BRUR | 1167 | 66000 |
| 116 | BRUU | 1187 | 66050 |
| 117 | BRUZ | 1999 | 660500 |
| 118 | BRUG | 1997 | 160500 |
| 119 | BRUY | 1567 | 160000 |
| 120 | BRUX | 3367 | 167000 |
| 121 | BRUQ | 3654 | 200000 |
| 122 | BRUT | 9009 | 250000 |
| 123 | BRUF | 9099 | 154000 |
+-----+-----+-----+-----+
23 rows in set (0.001 sec)
```

Tabel :nasabah_has_rekening ditambahkan 10 record

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK)values
-> (11 , 114),
-> (12 , 115),
-> (13 , 116),
-> (14 , 117),
-> (15 , 118),
-> (16 , 119),
-> (17 , 120),
-> (18 , 123),
-> (19 , 125),
-> (20 , 189);
Query OK, 10 rows affected (0.087 sec)
Records: 10 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> select * from nasabah_has_rekening;
+-----+-----+
| id_nasabahFK | no_rekeningFK |
+-----+-----+
| 1 | 104 |
| 2 | 103 |
| 3 | 105 |
| 3 | 106 |
| 4 | 101 |
| 4 | 107 |
| 5 | 102 |
| 5 | 107 |
| 6 | 109 |
| 7 | 109 |
| 8 | 111 |
| 8 | 112 |
| 9 | 110 |
| 10 | 108 |
| 10 | 113 |
| 11 | 114 |
| 12 | 115 |
| 13 | 116 |
| 14 | 117 |
| 15 | 118 |
| 16 | 119 |
| 17 | 120 |
```

```
Command Prompt - mysql -u root -p
-> (17 , 120),
-> (18 , 123),
-> (19 , 125),
-> (20 , 189);
Query OK, 10 rows affected (0.087 sec)
Records: 10 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> select * from nasabah_has_rekening;
+-----+-----+
| id_nasabahFK | no_rekeningFK |
+-----+-----+
| 1 | 104 |
| 2 | 103 |
| 3 | 105 |
| 3 | 106 |
| 4 | 101 |
| 4 | 107 |
| 5 | 102 |
| 5 | 107 |
| 6 | 109 |
| 7 | 109 |
| 8 | 111 |
| 8 | 112 |
| 9 | 110 |
| 10 | 108 |
| 10 | 113 |
| 11 | 114 |
| 12 | 115 |
| 13 | 116 |
| 14 | 117 |
| 15 | 118 |
| 16 | 119 |
| 17 | 120 |
| 18 | 123 |
| 19 | 125 |
| 20 | 189 |
+-----+-----+
25 rows in set (0.001 sec)

MariaDB [perbankan]>
```


Tabel : transaksi ditambahkan 20 record

```

Command Prompt - mysql -u root -p
MariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values
-> ('31', '119', 3, 'debit', '2010-1-1', '50000'),
-> ('32', '111', 4, 'debit', '2010-1-2', '55000'),
-> ('33', '103', 2, 'debit', '2010-1-5', '58000'),
-> ('34', '109', 6, 'debit', '2010-1-9', '57800'),
-> ('35', '187', 4, 'kredit', '2010-1-10', '76000'),
-> ('36', '182', 8, 'kredit', '2010-1-11', '76500'),
-> ('37', '102', 2, 'debit', '2010-1-13', '70000'),
-> ('38', '165', 1, 'debit', '2010-1-15', '77800'),
-> ('39', '105', 1, 'debit', '2010-1-17', '80000'),
-> ('40', '117', 1, 'kredit', '2010-1-19', '89000'),
-> ('41', '116', 8, 'kredit', '2010-1-21', '805000'),
-> ('42', '143', 2, 'kredit', '2010-1-25', '80500'),
-> ('43', '155', 5, 'debit', '2010-1-27', '100000'),
-> ('44', '113', 2, 'debit', '2010-2-13', '100000'),
-> ('45', '142', 5, 'debit', '2010-2-16', '101000'),
-> ('46', '112', 5, 'debit', '2010-2-19', '178000'),
-> ('47', '153', 2, 'debit', '2010-2-21', '176000'),
-> ('48', '132', 6, 'kredit', '2010-3-21', '260000'),
-> ('49', '129', 6, 'kredit', '2010-3-25', '260000'),
-> ('50', '106', 1, 'debit', '2010-3-29', '265000');
Query OK, 20 rows affected (0.076 sec)
Records: 20  Duplicates: 0  Warnings: 0

MariaDB [perbankan]> select * from transaksi;
+-----+-----+-----+-----+-----+-----+
| no_transaksi | no_rekeningFK | id_nasabahFK | jenis_transaksi | tanggal                | jumlah |
+-----+-----+-----+-----+-----+-----+
| 1            | 105           | 3            | debit          | 2009-11-10 00:00:00    | 50000  |
| 2            | 103           | 2            | debit          | 2009-11-10 00:00:00    | 40000  |
| 3            | 101           | 4            | kredit         | 2009-11-12 00:00:00    | 20000  |
| 4            | 106           | 3            | debit          | 2009-11-13 00:00:00    | 50000  |
| 5            | 107           | 5            | kredit         | 2009-11-13 00:00:00    | 30000  |
| 6            | 104           | 1            | kredit         | 2009-11-15 00:00:00    | 200000 |
| 7            | 110           | 9            | kredit         | 2009-11-15 00:00:00    | 150000 |
| 8            | 102           | 5            | debit          | 2009-11-16 00:00:00    | 20000  |
| 9            | 105           | 3            | kredit         | 2009-11-18 00:00:00    | 50000  |
| 10           | 107           | 4            | debit          | 2009-11-19 00:00:00    | 100000 |
| 11           | 103           | 2            | debit          | 2009-11-19 00:00:00    | 100000 |
| 12           | 104           | 1            | debit          | 2009-11-19 00:00:00    | 50000  |
| 13           | 107           | 4            | kredit         | 2009-11-20 00:00:00    | 200000 |
| 14           | 105           | 3            | debit          | 2009-11-21 00:00:00    | 40000  |
| 15           | 104           | 1            | kredit         | 2009-11-22 00:00:00    | 100000 |

```

```

Command Prompt - mysql -u root -p
Records: 20  Duplicates: 0  Warnings: 0

MariaDB [perbankan]> select * from transaksi;
+-----+-----+-----+-----+-----+-----+
| no_transaksi | no_rekeningFK | id_nasabahFK | jenis_transaksi | tanggal                | jumlah |
+-----+-----+-----+-----+-----+-----+
| 1            | 105           | 3            | debit          | 2009-11-10 00:00:00    | 50000  |
| 2            | 103           | 2            | debit          | 2009-11-10 00:00:00    | 40000  |
| 3            | 101           | 4            | kredit         | 2009-11-12 00:00:00    | 20000  |
| 4            | 106           | 3            | debit          | 2009-11-13 00:00:00    | 50000  |
| 5            | 107           | 5            | kredit         | 2009-11-13 00:00:00    | 30000  |
| 6            | 104           | 1            | kredit         | 2009-11-15 00:00:00    | 200000 |
| 7            | 110           | 9            | kredit         | 2009-11-15 00:00:00    | 150000 |
| 8            | 102           | 5            | debit          | 2009-11-16 00:00:00    | 20000  |
| 9            | 105           | 3            | kredit         | 2009-11-18 00:00:00    | 50000  |
| 10           | 107           | 4            | debit          | 2009-11-19 00:00:00    | 100000 |
| 11           | 103           | 2            | debit          | 2009-11-19 00:00:00    | 100000 |
| 12           | 104           | 1            | debit          | 2009-11-19 00:00:00    | 50000  |
| 13           | 107           | 4            | kredit         | 2009-11-20 00:00:00    | 200000 |
| 14           | 105           | 3            | debit          | 2009-11-21 00:00:00    | 40000  |
| 15           | 104           | 1            | kredit         | 2009-11-22 00:00:00    | 100000 |
| 16           | 101           | 4            | kredit         | 2009-11-22 00:00:00    | 20000  |
| 17           | 103           | 2            | debit          | 2009-11-22 00:00:00    | 50000  |
| 18           | 102           | 5            | debit          | 2009-11-25 00:00:00    | 50000  |
| 19           | 108           | 10           | debit          | 2009-11-26 00:00:00    | 100000 |
| 20           | 106           | 3            | kredit         | 2009-11-27 00:00:00    | 50000  |
| 21           | 103           | 2            | kredit         | 2009-11-28 00:00:00    | 200000 |
| 22           | 105           | 3            | kredit         | 2009-11-28 00:00:00    | 100000 |
| 23           | 102           | 5            | debit          | 2009-11-30 00:00:00    | 20000  |
| 24           | 104           | 1            | debit          | 2009-12-01 00:00:00    | 50000  |
| 25           | 103           | 2            | debit          | 2009-12-02 00:00:00    | 40000  |
| 26           | 101           | 4            | debit          | 2009-12-04 00:00:00    | 50000  |
| 27           | 103           | 2            | kredit         | 2009-12-05 00:00:00    | 100000 |
| 28           | 102           | 5            | kredit         | 2009-12-05 00:00:00    | 200000 |
| 29           | 109           | 7            | debit          | 2009-12-05 00:00:00    | 100000 |
| 30           | 110           | 9            | debit          | 2009-12-06 00:00:00    | 20000  |
| 31           | 119           | 3            | debit          | 2010-01-01 00:00:00    | 50000  |
| 32           | 111           | 4            | debit          | 2010-01-02 00:00:00    | 55000  |
| 33           | 103           | 2            | debit          | 2010-01-05 00:00:00    | 58000  |
| 34           | 109           | 6            | debit          | 2010-01-09 00:00:00    | 57800  |
| 35           | 187           | 4            | kredit         | 2010-01-10 00:00:00    | 76000  |
| 36           | 182           | 8            | kredit         | 2010-01-11 00:00:00    | 76500  |
| 37           | 102           | 2            | debit          | 2010-01-13 00:00:00    | 70000  |

```

```
Command Prompt - mysql -u root -p

13 | 107 | 4 | kredit | 2009-11-20 00:00:00 | 200000
14 | 105 | 3 | debit | 2009-11-21 00:00:00 | 40000
15 | 104 | 1 | kredit | 2009-11-22 00:00:00 | 100000
16 | 101 | 4 | kredit | 2009-11-22 00:00:00 | 20000
17 | 103 | 2 | debit | 2009-11-22 00:00:00 | 50000
18 | 102 | 5 | debit | 2009-11-25 00:00:00 | 50000
19 | 108 | 10 | debit | 2009-11-26 00:00:00 | 100000
20 | 106 | 3 | kredit | 2009-11-27 00:00:00 | 50000
21 | 103 | 2 | kredit | 2009-11-28 00:00:00 | 200000
22 | 105 | 3 | kredit | 2009-11-28 00:00:00 | 100000
23 | 102 | 5 | debit | 2009-11-30 00:00:00 | 20000
24 | 104 | 1 | debit | 2009-12-01 00:00:00 | 50000
25 | 103 | 2 | debit | 2009-12-02 00:00:00 | 40000
26 | 101 | 4 | debit | 2009-12-04 00:00:00 | 50000
27 | 103 | 2 | kredit | 2009-12-05 00:00:00 | 100000
28 | 102 | 5 | kredit | 2009-12-05 00:00:00 | 200000
29 | 109 | 7 | debit | 2009-12-05 00:00:00 | 100000
30 | 110 | 9 | debit | 2009-12-06 00:00:00 | 20000
31 | 119 | 3 | debit | 2010-01-01 00:00:00 | 50000
32 | 111 | 4 | debit | 2010-01-02 00:00:00 | 55000
33 | 103 | 2 | debit | 2010-01-05 00:00:00 | 58000
34 | 109 | 6 | debit | 2010-01-09 00:00:00 | 57800
35 | 187 | 4 | kredit | 2010-01-10 00:00:00 | 76000
36 | 182 | 8 | kredit | 2010-01-11 00:00:00 | 76500
37 | 102 | 2 | debit | 2010-01-13 00:00:00 | 70000
38 | 165 | 1 | debit | 2010-01-15 00:00:00 | 77800
39 | 105 | 1 | debit | 2010-01-17 00:00:00 | 80000
40 | 117 | 1 | kredit | 2010-01-19 00:00:00 | 89000
41 | 116 | 8 | kredit | 2010-01-21 00:00:00 | 805000
42 | 143 | 2 | kredit | 2010-01-25 00:00:00 | 80500
43 | 155 | 5 | debit | 2010-01-27 00:00:00 | 100000
44 | 113 | 2 | debit | 2010-02-13 00:00:00 | 100000
45 | 142 | 5 | debit | 2010-02-16 00:00:00 | 101000
46 | 112 | 5 | debit | 2010-02-19 00:00:00 | 178000
47 | 153 | 2 | debit | 2010-02-21 00:00:00 | 176000
48 | 132 | 6 | kredit | 2010-03-21 00:00:00 | 260000
49 | 129 | 6 | kredit | 2010-03-25 00:00:00 | 260000
50 | 106 | 1 | debit | 2010-03-29 00:00:00 | 265000
+-----+-----+-----+-----+-----+-----+
50 rows in set (0.001 sec)

MariaDB [perbankan]>
```