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Praktikum Basisdata

Modul 5

D. LANGKAH-LANGKAH PRAKTIKUM

5. Kemudian masukkan data-data berikut ini kedalam data base perbankan

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
58 rows in set (0.00 sec)

MariaDB [perbankan]> select*from nasabah;
+----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+----+-----+-----+
| 1 | Sutopo | Jl. Jendral Sudirman 12 |
| 2 | Maryati | Jl. Mt. Haryono 31 |
| 3 | Suparman | Jl. Hasanudin 81 |
| 4 | Kartika Padmasari | Jl. Manggis 15 |
| 5 | Budi Eko Prayogo | Jl. Kantil 30 |
| 6 | Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| 7 | Indri Hapsari | Jl. Sutoyo 5 |
| 8 | Sari Murti | Jl. Pangandaran 11 |
| 9 | Camba Lokananta | Jl. Tidar 86 |
| 10 | Budi Murtono | Jl. Merak 22 |
+----+-----+-----+
10 rows in set (0.00 sec)

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 18 |
| BRUW | Bank Rut Unit Wonogiri | Jl. Untung Sutropati 12 |
| BRUY | Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+----+-----+-----+
6 rows in set (0.00 sec)

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 | 200000 |
| 106 | BRUS | 6666 | 300000 |
| 107 | BRUS | 7777 | 100000 |
| 108 | BRUB | 0000 | 500000 |
| 109 | BRUS | 9999 | 0 |
| 110 | BRUY | 1234 | 550000 |
| 111 | BRUK | 4321 | 150000 |
| 112 | BRUK | 8123 | 300000 |
| 113 | BRUY | 8888 | 250000 |
+----+-----+-----+-----+
13 rows in set (0.00 sec)

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 | 111 |
| 8 | 112 |
| 8 | 115 |
| 9 | 110 |
| 10 | 108 |
| 10 | 113 |
+----+-----+-----+
15 rows in set (0.00 sec)

MariaDB [perbankan]> select*from transaksi;
+----+-----+-----+-----+-----+-----+
| no_transaksi | id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal | jumlah |
+----+-----+-----+-----+-----+-----+
| 32 | 3 | 105 | debit | 2009-11-10 00:00:00 | 50000 |
| 33 | 2 | 103 | debit | 2009-11-10 00:00:00 | 40000 |
| 34 | 4 | 101 | kredit | 2009-11-12 00:00:00 | 20000 |
| 35 | 3 | 106 | debit | 2009-11-13 00:00:00 | 50000 |
| 36 | 5 | 107 | kredit | 2009-11-13 00:00:00 | 30000 |
| 37 | 1 | 104 | kredit | 2009-11-15 00:00:00 | 200000 |
| 38 | 9 | 110 | kredit | 2009-11-15 00:00:00 | 150000 |
| 39 | 5 | 102 | debit | 2009-11-16 00:00:00 | 20000 |
| 40 | 3 | 105 | kredit | 2009-11-18 00:00:00 | 50000 |
| 41 | 4 | 107 | debit | 2009-11-19 00:00:00 | 100000 |
| 42 | 2 | 103 | debit | 2009-11-19 00:00:00 | 100000 |
| 43 | 1 | 104 | debit | 2009-11-19 00:00:00 | 50000 |
| 44 | 4 | 107 | kredit | 2009-11-20 00:00:00 | 200000 |
| 45 | 3 | 105 | debit | 2009-11-21 00:00:00 | 40000 |
| 46 | 1 | 104 | kredit | 2009-11-22 00:00:00 | 100000 |
| 47 | 4 | 101 | kredit | 2009-11-22 00:00:00 | 20000 |
| 48 | 2 | 103 | debit | 2009-11-22 00:00:00 | 50000 |
| 49 | 5 | 102 | debit | 2009-11-25 00:00:00 | 50000 |
| 50 | 10 | 108 | debit | 2009-11-26 00:00:00 | 100000 |
| 51 | 3 | 106 | kredit | 2009-11-27 00:00:00 | 50000 |
+----+-----+-----+-----+-----+-----+
58 rows in set (0.00 sec)

MariaDB [perbankan]>
```

6. Lakukan update untuk kasus-kasus berikut ini.

a.

```
C:\WINDOWS\system32\cmd.exe - 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 '='Jalan Slamet Riyadi No.34' where id_nasabah=7' at line 1
MariaDB [perbankan]> update nasabah set alamat_nasabah='Jalan Slamet Riyadi No.34' where id_nasabah=7;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [perbankan]> select*from nasabah;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1 | Sutopo | Jl. Jendral Sudirman 12 |
| 2 | Maryati | Jl. MT. Maryono 31 |
| 3 | Suparman | Jl. Hasanudin 81 |
| 4 | Kartika Padmasari | Jl. Manggis 15 |
| 5 | Budi Eko Prayogo | Jl. Kantil 30 |
| 6 | Satria Eka Jaya | Jl. Slamet Riyadi 45 |
| 7 | Indri Hapsari | Jalan Slamet Riyadi No.34 |
| 8 | Sari Murti | Jl. Pangandaran 11 |
| 9 | Canka Lokananta | Jl. Tidar 86 |
| 10 | Budi Murtono | Jl. Merak 22 |
+-----+-----+-----+
10 rows in set (0.00 sec)

MariaDB [perbankan]>
```

b.

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
MariaDB [perbankan]> update cabang set alamat_cabang='Jalan A. Yani No.23' where kode_cabang='BRUM';
ERROR 1146 (42S02): Table 'perbankan.cabang' doesn't exist
MariaDB [perbankan]> update cabang_bank set alamat_cabang='Jalan A. Yani No.23' where kode_cabang='BRUM';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  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 22 |
| BRUM | Bank Rut Unit Magelang | Jl. P.Tendean 63 |
| BRUS | Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18 |
| BRUW | Bank Rut Unit Monogiri | Jalan A. Yani No.23 |
| BRUY | Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+-----+
6 rows in set (0.00 sec)

MariaDB [perbankan]>
```

7. Lakukan penghapusan untuk kasus-kasus berikut.

a.

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
MariaDB [perbankan]> delete from nasabah where id_nasabah=7;
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> select*from nasabah;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1 | Sutopo | Jl. Jendral Sudirman 12 |
| 2 | Maryati | Jl. MT. Maryono 31 |
| 3 | Suparman | Jl. Hasanudin 81 |
| 4 | Kartika Padmasari | Jl. Manggis 15 |
| 5 | Budi Eko Prayogo | 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 |
+-----+-----+-----+
9 rows in set (0.00 sec)

MariaDB [perbankan]>
```

b.

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p

MariaDB [perbankan]> delete from cabang_bank where nama_cabang='Bank Rut Unit Magelang';
Query OK, 1 row affected (0.01 sec)

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 |
| BRUS       | Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18 |
| BRUM       | Bank Rut Unit Wonogiri | Jalan A. Yani No.23 |
| BRUY       | Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
+-----+-----+-----+
5 rows in set (0.00 sec)

MariaDB [perbankan]>
```

TUGAS

Table nasabah

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values('11','huan','bulurejo');
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values('12','wendy','sewurejo');
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values('13','ariono','mojogedang');
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values('14','inez','karanganyar');
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values('15','saina','solo');
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values('16','hesti','surakarta');
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values('17','retno','solo baru');
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values('18','sari','jogja');
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values('19','johan','semarang');
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values('20','resa','surabaya');
Query OK, 1 row affected (0.01 sec)

ERROR: No query specified

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values('20','resa','surabaya');
ERROR 1062 (23000): Duplicate entry '20' for key 'PRIMARY'
MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values('21','resa','surabaya');
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> select*from nasabah;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1 | Sutopo | Jl. Jendral Sudirman 12 |
| 2 | Maryati | Jl. Mt. Haryono 31 |
| 3 | Suparman | Jl. Hasanudin 81 |
| 4 | Kartika Padmasari | Jl. Manggis 15 |
| 5 | Budi Eko Prayogo | Jl. Kantil 30 |
| 6 | Satrio Eko Jaya | Jl. Slamet Riyadi 45 |
| 8 | Sari Murti | Jl. Pangandaran 11 |
| 9 | Canka Lokananta | Jl. Tidar 86 |
| 10 | Budi Murtono | Jl. Merak 22 |
+-----+-----+-----+

MariaDB [perbankan]>
```

Tabel cabang_bank

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang) values('CH1','Cabang huan 1','bulurejo');
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang) values('CH2','Cabang huan 2','bulurejo2');
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang) values('CH3','Cabang huan 3','bulurejo3');
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang) values('CH4','Cabang huan 4','bulurejo4');
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang) values('CH5','Cabang huan 5','bulurejo5');
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang) values('CH6','Cabang huan 6','bulurejo6');
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang) values('CH7','Cabang huan 7','bulurejo7');
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang) values('CH8','Cabang huan 8','bulurejo8');
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang) values('CH9','Cabang huan 9','bulurejo9');
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang) values('CH10','Cabang huan 10','bulurejo10');
Query OK, 1 row affected (0.01 sec)

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 |
| BRUS       | Bank Rut Unit Surakarta | Jl. Slamet Riyadi 18 |
| BRUM       | Bank Rut Unit Wonogiri | Jalan A. Yani No.23 |
| BRUY       | Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
| CH1        | Cabang huan 1 | bulurejo |
| CH10       | Cabang huan 10 | bulurejo10 |
| CH2        | Cabang huan 2 | bulurejo2 |
| CH3        | Cabang huan 3 | bulurejo3 |
| CH4        | Cabang huan 4 | bulurejo4 |
| CH5        | Cabang huan 5 | bulurejo5 |
| CH6        | Cabang huan 6 | bulurejo6 |
| CH7        | Cabang huan 7 | bulurejo7 |
| CH8        | Cabang huan 8 | bulurejo8 |
| CH9        | Cabang huan 9 | bulurejo9 |
+-----+-----+-----+

MariaDB [perbankan]>
```

Rekening

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
ERROR 1062 (23000): Duplicate entry '111' for key 'PRIMARY'
MariaDB [perbankan]> insert into rekening(no_rekening,kode_cabangFK,pin,saldo) values('211','HJUAN1',1000,0);
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into rekening(no_rekening,kode_cabangFK,pin,saldo) values('212','HJUAN2',1001,0);
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into rekening(no_rekening,kode_cabangFK,pin,saldo) values('213','HJUAN3',1003,0);
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into rekening(no_rekening,kode_cabangFK,pin,saldo) values('214','HJUAN4',1004,0);
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into rekening(no_rekening,kode_cabangFK,pin,saldo) values('215','HJUAN5',1005,0);
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into rekening(no_rekening,kode_cabangFK,pin,saldo) values('216','HJUAN6',1006,0);
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into rekening(no_rekening,kode_cabangFK,pin,saldo) values('217','HJUAN7',1007,0);
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into rekening(no_rekening,kode_cabangFK,pin,saldo) values('218','HJUAN8',1008,0);
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into rekening(no_rekening,kode_cabangFK,pin,saldo) values('219','HJUAN9',1009,0);
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> insert into rekening(no_rekening,kode_cabangFK,pin,saldo) values('221','HJUAN10',1010,0);
Query OK, 1 row affected (0.01 sec)

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 | 200000 |
| 106 | BRUS | 6666 | 300000 |
| 107 | BRUS | 7777 | 100000 |
| 108 | BRUB | 0000 | 500000 |
| 109 | BRUS | 9999 | 0 |
| 110 | BRUY | 1234 | 550000 |
| 111 | BRUK | 4321 | 150000 |
| 112 | BRUK | 0123 | 300000 |
| 113 | BRUY | 8888 | 255000 |
| 211 | HJUAN1 | 1000 | 0 |
| 212 | HJUAN2 | 1001 | 0 |
+-----+-----+-----+-----+
23 rows in set (0.00 sec)

MariaDB [perbankan]>
```

Transaksi

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p
51 rows in set (0.00 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) values(2,2,102,"kredit",2020-03-24,500000);
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) values(3,3,103,"kredit",2020-03-24,500000);
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) values(4,4,104,"kredit",2020-03-24,500000);
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) values(5,5,105,"kredit",2020-03-24,500000);
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) values(6,6,106,"kredit",2020-03-24,500000);
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) values(7,7,107,"kredit",2020-03-24,500000);
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) values(8,8,108,"kredit",2020-03-24,500000);
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) values(9,9,109,"kredit",2020-03-24,500000);
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) values(10,10,110,"kredit",2020-03-24,500000);
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) values(11,11,111,"kredit",2020-03-24,500000);
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) values(12,12,112,"kredit",2020-03-24,500000);
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) values(13,13,113,"kredit",2020-03-24,500000);
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) values(14,14,114,"kredit",2020-03-24,500000);
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) values(15,15,115,"kredit",2020-03-24,500000);
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) values(16,16,116,"kredit",2020-03-24,500000);
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) values(17,17,117,"kredit",2020-03-24,500000);
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) values(18,18,118,"kredit",2020-03-24,500000);
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) values(17,17,117,"kredit",2020-03-24,500000);
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) values(18,18,118,"kredit",2020-03-24,500000);
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) values(19,19,119,"kredit",2020-03-24,500000);
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) values(20,20,120,"kredit",2020-03-24,500000);
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [perbankan]> insert into transaksi(no_transaksi,id_nasabahFK,no_rekeningFK,jenis_transaksi,tanggal,jumlah) values(21,21,121,"kredit",2020-03-24,500000);
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [perbankan]> select*from transaksi
-> ;
+-----+-----+-----+-----+-----+-----+
| no_transaksi | id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal | jumlah |
+-----+-----+-----+-----+-----+-----+
| 1 | 1 | 100 | kredit | 0000-00-00 00:00:00 | 500000 |
| 2 | 2 | 102 | kredit | 0000-00-00 00:00:00 | 500000 |
| 3 | 3 | 103 | kredit | 0000-00-00 00:00:00 | 500000 |
| 4 | 4 | 104 | kredit | 0000-00-00 00:00:00 | 500000 |
| 5 | 5 | 105 | kredit | 0000-00-00 00:00:00 | 500000 |
| 6 | 6 | 106 | kredit | 0000-00-00 00:00:00 | 500000 |
| 7 | 7 | 107 | kredit | 0000-00-00 00:00:00 | 500000 |
| 8 | 8 | 108 | kredit | 0000-00-00 00:00:00 | 500000 |
| 9 | 9 | 109 | kredit | 0000-00-00 00:00:00 | 500000 |
| 10 | 10 | 110 | kredit | 0000-00-00 00:00:00 | 500000 |
| 11 | 11 | 111 | kredit | 0000-00-00 00:00:00 | 500000 |
| 12 | 12 | 112 | kredit | 0000-00-00 00:00:00 | 500000 |
| 13 | 13 | 113 | kredit | 0000-00-00 00:00:00 | 500000 |
| 14 | 14 | 114 | kredit | 0000-00-00 00:00:00 | 500000 |
| 15 | 15 | 115 | kredit | 0000-00-00 00:00:00 | 500000 |
| 16 | 16 | 116 | kredit | 0000-00-00 00:00:00 | 500000 |
| 17 | 17 | 117 | kredit | 0000-00-00 00:00:00 | 500000 |
| 18 | 18 | 118 | kredit | 0000-00-00 00:00:00 | 500000 |
| 19 | 19 | 119 | kredit | 0000-00-00 00:00:00 | 500000 |
| 20 | 20 | 120 | kredit | 0000-00-00 00:00:00 | 500000 |
| 21 | 21 | 121 | kredit | 0000-00-00 00:00:00 | 500000 |
| 32 | 3 | 105 | debit | 2009-11-10 00:00:00 | 50000 |
| 33 | 2 | 103 | debit | 2009-11-10 00:00:00 | 40000 |
| 34 | 4 | 101 | kredit | 2009-11-12 00:00:00 | 20000 |
| 35 | 3 | 106 | debit | 2009-11-13 00:00:00 | 50000 |
| 36 | 5 | 107 | kredit | 2009-11-13 00:00:00 | 30000 |
| 37 | 1 | 104 | kredit | 2009-11-15 00:00:00 | 200000 |
| 38 | 9 | 110 | kredit | 2009-11-15 00:00:00 | 150000 |
| 39 | 5 | 102 | debit | 2009-11-16 00:00:00 | 20000 |
| 40 | 3 | 105 | kredit | 2009-11-18 00:00:00 | 50000 |
| 41 | 4 | 107 | debit | 2009-11-19 00:00:00 | 100000 |
| 42 | 2 | 103 | debit | 2009-11-19 00:00:00 | 100000 |
```

```
C:\WINDOWS\system32\cmd.exe

39 | 5 | 102 | debit | 2009-11-16 00:00:00 | 20000 |
40 | 3 | 105 | kredit | 2009-11-18 00:00:00 | 50000 |
41 | 2 | 107 | debit | 2009-11-19 00:00:00 | 100000 |
42 | 2 | 102 | debit | 2009-11-19 00:00:00 | 100000 |
43 | 1 | 104 | debit | 2009-11-19 00:00:00 | 50000 |
44 | 4 | 107 | kredit | 2009-11-20 00:00:00 | 200000 |
45 | 3 | 105 | debit | 2009-11-21 00:00:00 | 40000 |
46 | 1 | 104 | kredit | 2009-11-22 00:00:00 | 100000 |
47 | 4 | 101 | kredit | 2009-11-22 00:00:00 | 20000 |
48 | 2 | 103 | debit | 2009-11-22 00:00:00 | 50000 |
49 | 5 | 102 | debit | 2009-11-25 00:00:00 | 50000 |
50 | 10 | 100 | debit | 2009-11-26 00:00:00 | 100000 |
51 | 3 | 106 | kredit | 2009-11-27 00:00:00 | 50000 |
52 | 2 | 103 | kredit | 2009-11-28 00:00:00 | 200000 |
53 | 3 | 105 | kredit | 2009-11-28 00:00:00 | 100000 |
54 | 5 | 102 | debit | 2009-11-30 00:00:00 | 20000 |
55 | 1 | 104 | debit | 2009-12-01 00:00:00 | 50000 |
56 | 2 | 103 | debit | 2009-12-02 00:00:00 | 40000 |
57 | 4 | 101 | debit | 2009-12-04 00:00:00 | 50000 |
58 | 2 | 103 | kredit | 2009-12-05 00:00:00 | 100000 |
59 | 5 | 102 | kredit | 2009-12-05 00:00:00 | 200000 |
60 | 7 | 100 | debit | 2009-12-05 00:00:00 | 100000 |
61 | 9 | 110 | debit | 2009-12-06 00:00:00 | 20000 |
62 | 19 | 110 | kredit | 2017-05-24 00:00:00 | 50000 |
68 | 10 | 111 | kredit | 2017-05-24 00:00:00 | 250000 |
69 | 6 | 106 | debit | 2017-05-24 00:00:00 | 125000 |
70 | 7 | 103 | kredit | 2017-05-24 00:00:00 | 130000 |
72 | 8 | 101 | kredit | 2017-05-24 00:00:00 | 357000 |
73 | 2 | 110 | debit | 2017-05-24 00:00:00 | 547000 |
76 | 5 | 110 | debit | 2017-05-24 00:00:00 | 20000 |
77 | 19 | 110 | kredit | 2017-05-24 00:00:00 | 50000 |
78 | 19 | 110 | kredit | 2017-05-24 00:00:00 | 50000 |
79 | 12 | 101 | debit | 2017-05-26 00:00:00 | 9700000 |
80 | 12 | 101 | debit | 2017-05-26 00:00:00 | 8500000 |
81 | 1 | 111 | kredit | 2017-05-26 00:00:00 | 520000 |
85 | 13 | 109 | debit | 2017-05-26 00:00:00 | 700000 |
86 | 19 | 110 | kredit | 2017-05-30 00:00:00 | 50000 |
87 | 19 | 110 | kredit | 2017-06-06 00:00:00 | 50000 |
88 | 19 | 110 | kredit | 2017-06-06 00:00:00 | 50000 |
89 | 13 | 109 | debit | 2017-06-08 00:00:00 | 700000 |
90 | 13 | 109 | debit | 2017-06-08 00:00:00 | 700000 |
91 | 13 | 109 | debit | 2017-06-08 00:00:00 | 700000 |
92 | 5 | 103 | debit | 2017-06-14 00:00:00 | 263000 |

71 rows in set (0.00 sec)

MariaDB [perbankan]> Bye
Ctrl-C -- exit!

C:\xampp\mysql\bin
```

Lakukan perintah insert, update, delet di tugas

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| dblogin  |
| huha     |
| information_schema |
| kuliiah  |
| latihan1_basisdata |
| latihan_crud |
| mysql    |
| perbankan |
| perbankanbaru |
| performance_schema |
| phpmyadmin |
| test     |
| websiteku |
+-----+

13 rows in set (0.00 sec)

MariaDB [(none)]> use perbankan;
Database changed
MariaDB [perbankan]> show tables;
+-----+
| Tables_in_perbankan |
+-----+
| cabang_bank |
| nasabah |
| nasabah_has_rekening |
| rekening |
| transaksi |
+-----+

5 rows in set (0.00 sec)

MariaDB [perbankan]> select*from nasabah;
+----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+----+-----+-----+
| 1 | Sutopo | Jl. Jendral Sudirman 12 |
| 2 | Maryati | Jl. MT. Haryono 31 |
| 3 | Suparman | Jl. Hasanudin 81 |
| 4 | Kartika Padmasari | Jl. Manggis 15 |
| 5 | Budi Eko Prayogo | 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 | huan | bulurejo |
| 12 | wendy | sewurejo |
| 13 | ariono | mojogedang |
| 14 | inez | karanganyar |
| 15 | saina | solo |
+----+-----+-----+

20 rows in set (0.00 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values('0','huan wendy ariono','bulurejo');
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> select*from nasabah;
+----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+----+-----+-----+
| 0 | huan wendy ariono | bulurejo |
| 1 | Sutopo | Jl. Jendral Sudirman 12 |
| 2 | Maryati | Jl. MT. Haryono 31 |
| 3 | Suparman | Jl. Hasanudin 81 |
| 4 | Kartika Padmasari | Jl. Manggis 15 |
| 5 | Budi Eko Prayogo | 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 | huan | bulurejo |
| 12 | wendy | sewurejo |
| 13 | ariono | mojogedang |
| 14 | inez | karanganyar |
| 15 | saina | solo |
| 16 | hesti | surakarta |
| 17 | retno | solo baru |
| 18 | sari | jogja |
| 19 | johan | semarang |
| 20 | resa | surabaya |
| 21 | resa | surabaya |
+----+-----+-----+

21 rows in set (0.00 sec)

MariaDB [perbankan]> update nasabah set nama_nasabah='HUAN WENDY ARIONO'where id_nasabah=0;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [perbankan]> select*from nasabah;
+----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+----+-----+-----+
| 0 | HUAN WENDY ARIONO | bulurejo |
| 1 | Sutopo | Jl. Jendral Sudirman 12 |
| 2 | Maryati | Jl. MT. Haryono 31 |
+----+-----+-----+

3 rows in set (0.00 sec)
```

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p

15 | saina | solo |
16 | hesti | surakarta |
17 | retno | solo baru |
18 | sari | jogja |
19 | johan | semarang |
20 | resa | surabaya |
21 | resa | surabaya |

20 rows in set (0.00 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah) values('0','huan wendy ariono','bulurejo');
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> select*from nasabah;
+----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+----+-----+-----+
| 0 | huan wendy ariono | bulurejo |
| 1 | Sutopo | Jl. Jendral Sudirman 12 |
| 2 | Maryati | Jl. MT. Haryono 31 |
| 3 | Suparman | Jl. Hasanudin 81 |
| 4 | Kartika Padmasari | Jl. Manggis 15 |
| 5 | Budi Eko Prayogo | 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 | huan | bulurejo |
| 12 | wendy | sewurejo |
| 13 | ariono | mojogedang |
| 14 | inez | karanganyar |
| 15 | saina | solo |
| 16 | hesti | surakarta |
| 17 | retno | solo baru |
| 18 | sari | jogja |
| 19 | johan | semarang |
| 20 | resa | surabaya |
| 21 | resa | surabaya |
+----+-----+-----+

21 rows in set (0.00 sec)

MariaDB [perbankan]> update nasabah set nama_nasabah='HUAN WENDY ARIONO'where id_nasabah=0;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [perbankan]> select*from nasabah;
+----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+----+-----+-----+
| 0 | HUAN WENDY ARIONO | bulurejo |
| 1 | Sutopo | Jl. Jendral Sudirman 12 |
| 2 | Maryati | Jl. MT. Haryono 31 |
+----+-----+-----+

3 rows in set (0.00 sec)
```

```
C:\WINDOWS\system32\cmd.exe - mysql -u root -p

2 | Maryati | Jl. MT. Haryono 31 |
3 | Suparman | Jl. Hasanudin 81 |
4 | Kartika Padmasari | Jl. Manggis 15 |
5 | Budi Eko Prayogo | 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 | huan | bulurejo |
12 | wendy | sewurejo |
13 | ariono | mojogedang |
14 | inez | karanganyar |
15 | saina | solo |
16 | hesti | surakarta |
17 | retno | solo baru |
18 | sari | jogja |
19 | johan | semarang |
20 | resa | surabaya |
21 | resa | surabaya |

21 rows in set (0.00 sec)

MariaDB [perbankan]> delete from nasabah where id_nasabah=0;
Query OK, 1 row affected (0.01 sec)

MariaDB [perbankan]> select*from nasabah;
+----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+----+-----+-----+
| 1 | Sutopo | Jl. Jendral Sudirman 12 |
| 2 | Maryati | Jl. MT. Haryono 31 |
| 3 | Suparman | Jl. Hasanudin 81 |
| 4 | Kartika Padmasari | Jl. Manggis 15 |
| 5 | Budi Eko Prayogo | 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 | huan | bulurejo |
| 12 | wendy | sewurejo |
| 13 | ariono | mojogedang |
| 14 | inez | karanganyar |
| 15 | saina | solo |
| 16 | hesti | surakarta |
| 17 | retno | solo baru |
| 18 | sari | jogja |
| 19 | johan | semarang |
| 20 | resa | surabaya |
| 21 | resa | surabaya |
+----+-----+-----+

20 rows in set (0.00 sec)
```

HUANS086