Nama: Aulia Anis R.

NIM : L200180041

Kelas: B

MODUL 5

LATIHAN

1. Tabel nasabah

2. Tabel cabang_bank

```
mysql> insert into cabang_bank(kode_cabang, nama_cabang, alamat_cabang) values ('BRUS', 'Bank Rut Unit Surakarta', 'Jl.Slamet Riyadi 18'), ('BRUM', 'Bank Rut Unit Magel ang', 'Jl.P.Tendean 63')

-> , ('BRUB', 'Bank Rut Unit Monogiri', '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.Anggrek 21 '); (BRUY', 'Bank Rut Unit Yogyakarta', 'Jl.Anggrek 21 '), ('BRUY', 'Bank Rut Unit Yogyakarta', 'Jl.Anggrek 21 '), ('BRU
```

3. Tabel rekening

```
mysql> 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 (0.09 sec)
Records: 13 Duplicates: 0 Warnings: 0
mysql> select * from rekening;
  no_rekening | kode_cabangFK | pin
                                                                                            500000
                                                                         2222
3333
                                                                                           350000
750000
                      102
                                   BRUS
                                   BRUS
                     104
105
                                  BRUM
BRUM
                                                                         4444
                                                                                           900000
                                                                                          2000000
                                                                         6666
7777
                     106
107
                                   BRUS
BRUS
                                                                                          3000000
1000000
                                   BRUB
BRUB
                                                                         9999
9999
                                                                                          5000000
                      109
                                                                                                     0
                                   BRUY
BRUK
                                                                         1234
4321
                                                                                            550000
                                                                                            150000
                                                                                            255000
                                   BRUY
                                                                          8888
13 rows in set (0.00 sec)
```

4. Tabel nasabah has rekening

```
mysql> 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 (0.07 sec)
Records: 15 Duplicates: 0 Warnings: 0
mysql> select * from nasabah_has_rekening;
   id_nasabahFK | no_rekeningFK
                                                103
                                                105
                                                106
                                                107
                                                102
                                                107
                                                109
                                                109
                                                110
                     10
                                                108
                     10
15 rows in set (0.00 sec)
```

5. Tabel transaksi

```
mysql> insert into transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) values
-> (NULL, 105, 3, 'debit', DEFAULT, 50000), (NULL, 103, 2, 'debit', DEFAULT, 40000), (NULL, 101, 4, 'kredit', DEFAULT, 20000),
-> (NULL, 106, 3, 'debit', DEFAULT, 50000), (NULL, 107, 5, 'kredit', DEFAULT, 30000), (NULL, 104, 1, 'kredit', DEFAULT, 20000),
-> (NULL, 110, 9, 'kredit', DEFAULT, 150000), (NULL, 105, 5, 'debit', DEFAULT, 50000), (NULL, 105, 3, 'kredit', DEFAULT, 50000), (NULL, 103, 2, 'debit', DEFAULT, 10000), (NULL, 103, 2, 'debit', DEFAULT, 10000),
-> (NULL, 103, 2, 'kredit', DEFAULT, 20000), (NULL, 105, 3, 'debit', DEFAULT, 50000), (NULL, 102, 5, 'debit', DEFAULT, 100000),
-> (NULL, 101, 4, 'kredit', DEFAULT, 20000), (NULL, 103, 2, 'debit', DEFAULT, 50000), (NULL, 103, 2, 'kredit', DEFAULT, 50000),
-> (NULL, 108, 10, 'debit', DEFAULT, 100000), (NULL, 106, 3, 'kredit', DEFAULT, 50000), (NULL, 104, 1, 'debit', DEFAULT, 200000),
-> (NULL, 103, 2, 'kredit', DEFAULT, 100000), (NULL, 102, 5, 'debit', DEFAULT, 100000),
-> (NULL, 103, 2, 'debit', DEFAULT, 40000), (NULL, 104, 4, 'debit', DEFAULT, 50000), (NULL, 104, 2, 'kredit', DEFAULT, 100000),
-> (NULL, 103, 2, 'debit', DEFAULT, 40000), (NULL, 104, 4, 'debit', DEFAULT, 50000), (NULL, 104, 2, 'kredit', DEFAULT, 100000),
-> (NULL, 103, 2, 'debit', DEFAULT, 40000), (NULL, 104, 4, 'debit', DEFAULT, 100000), (NULL, 104, 2, 'kredit', DEFAULT, 100000),
-> (NULL, 102, 5, 'kredit', DEFAULT, 200000), (NULL, 109, 7, 'debit', DEFAULT, 100000), (NULL, 110, 9, 'debit', DEFAULT, 200000);

Query (N, 30 rows affected (0.08 sec)

Records: 30 Duplicates: 0 Warnings: 0
```

_transaksi	id_nasabahFK	no_rekeningFK	jenis_transaksi	tanggal	jumlah
1	3	105	debit	2019-04-02 22:30:39	50000
2	2	103	debit	2019-04-02 22:30:39	40000
3	4	101	kredit	2019-04-02 22:30:39	20000
4] 3	106	debit	2019-04-02 22:30:39	50000
5	5	107	kredit	2019-04-02 22:30:39	30000
6	1 1	104	kredit	2019-04-02 22:30:39	200000
7	9	110	kredit	2019-04-02 22:30:39	150000
8	5	102	debit	2019-04-02 22:30:39	20000
9	3	105	kredit	2019-04-02 22:30:39	50000
10	4	107	debit	2019-04-02 22:30:39	100000
11	2	103	debit	2019-04-02 22:30:39	100000
12	1	104	debit	2019-04-02 22:30:39	50000
13	4	107	kredit	2019-04-02 22:30:39	200000
14	3	105	debit	2019-04-02 22:30:39	40000
15	1	104	kredit	2019-04-02 22:30:39	100000
16	4	101	kredit	2019-04-02 22:30:39	20000
17	2	103	debit	2019-04-02 22:30:39	50000
18	5	102	debit	2019-04-02 22:30:39	50000
19	10	108	debit	2019-04-02 22:30:39	100000
20	3	106	kredit	2019-04-02 22:30:39	50000
21	2	103	kredit	2019-04-02 22:30:39	200000
22	3	105	kredit	2019-04-02 22:30:39	100000
23	5	102	debit	2019-04-02 22:30:39	20000
24	1	104	debit	2019-04-02 22:30:39	50000
25	2	103	debit	2019-04-02 22:30:39	40000
26	4	101	debit	2019-04-02 22:30:39	50000
27	2	103	kredit	2019-04-02 22:30:39	100000
28	5	102	kredit	2019-04-02 22:30:39	200000
29	7	109	debit	2019-04-02 22:30:39	100000
30	9	110	debit	2019-04-02 22:30:39	20000

6. Update

a. Nasabah dengan nama "Indri Hapsari" pindah alamat ke "Jalan Slamet Riyadi No.34"

```
mysql> 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 Hurti | Jl.Pangandarah 11 |
9 | Canka Lokananta | Jl.Tidar 86 |
10 | Budi Murtono | Jl.Merak 22 |

10 rows in set (0.00 sec)
```

```
mysql> update nasabah set alamat_nasabah = 'Jalan Slamet Riyadi No.34'
-> where nama_nasabah = 'Indri Hapsari';
Query OK, 1 row affected (0.11 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> 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.Slamet Riyadi 45 |
| 7 | Indri Hapsari | Jalan Slamet Riyadi No.34 |
| 9 | Canka Lokananta | Jl.Tidar 86 |
| 10 | Budi Murtono | Jl.Merak 22 |
| 10 rows in set (0.00 sec)
```

b. Cabang dengan kode "BRUW" pindah ke alamat "Jalan A.Yani No.23"

```
mysql> select * from cabang_bank;
 kode_cabang | nama_cabang
                                                     alamat_cabang
                   Bank Rut Unit Boyolali
Bank Rut Unit Klaten
Bank Rut Unit Magelang
Bank Rut Unit Sunakant
                                                     Jl.Ahmad Yani 45
  BRUB
                                                     Jl.Suparman 23
Jl.P.Tendean 63
Jl Slamet Riyad
  BRUM
                 Bank Rut Unit Wonogiri
                                                   | Jl.Untung Suropati 12
 BRUY
                 Bank Rut Unit Yogyakarta | Jl.Anggrek 21
  rows in set (0.00 sec)
nysql> update cabang_bank set alamat_cabang = 'Jalan A.Yani No.23'
-> where kode_cabang = 'BRUW';
Query OK, 1 row affected (0.13 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> select * from cabang bank;
 kode_cabang | nama_cabang
                                                        alamat_cabang
                    Bank Rut Unit Boyolali
Bank Rut Unit Klaten
  BRUB
                                                         Jl.Ahmad Yani 45
                                                         Jl.Suparman 23
                    Bank Rut Unit Magelang
Bank Rut Unit Surakarta
                                                         Jl.P.Tendean 63
  BRUM
  BRUS
                  | Bank Rut Unit Wonogiri | Jalan A.Yani No.23
BRUW
                  | Bank Rut Unit Yogyakarta | Ji.Anggrek 21
  BKUY
 rows in set (0.00 sec)
```

7. Delete

a. Nasabah dengan id "7" menutup rekeningnya

```
mysql> delete from nasabah
-> where id_nasabah = 7;
Query OK, 1 row affected (0.08 sec)
mysql> select * from nasabah;
  id_nasabah | nama_nasabah
                                            | alamat_nasabah
                   Sutopo
                                              Jl.Jendral Sudirman 12
                  Maryati
                                              Jl.MT.Haryono 31
                                              Jl.Hasanudin 81
                  Suparman
                                             Jl.Manggis 15
Jl.Kantil 30
Jl.Slamet Riyadi 45
Jl.Pangandaran 11
Jl.Tidar 86
                  Kartika Padmasari
                   Budi Eko Prayogo
                   Satria Eka Jaya
                   Sari Murti
                   Canka Lokananta
                   Budi Murtono
                                              Jl.Merak 22
             10
  rows in set (0.00 sec)
```

b. Cabang dengan nama cabang "Bank Rut Unit Magelang" menutup kantornya

TUGAS

1) Tabel nasabah

2) Tabel cabang_bank

```
mysql> insert into cabang bank(kode_cabang, nama_cabang, alamat_cabang) values
-> ('BRUD', 'Bank Rut Unit Jakarta', 'Jl.Mawar 7'),
-> ('BRUD', 'Bank Rut Unit Acch', 'Jl.Kelengkeng 5'),
-> ('BRUDA', 'Bank Rut Unit Gemolong', 'Jl.Sudirman 67'),
-> ('BRUD', 'Bank Rut Unit Fancaria, 'Jl.Budi 14'),
-> ('BRUD', 'Bank Rut Unit Pasuruan, 'Jl.Budi 14'),
-> ('BRUD', 'Bank Rut Unit Bunkittinggi', 'Jl.Semangka 6'),
-> ('BRUD', 'Bank Rut Unit Bunkittinggi', 'Jl.Semangka 6'),
-> ('BRUD', 'Bank Rut Unit Bunkittinggi', 'Jl.Budi 18');
Query OK, 10 rows affected (0.10 sec)
Records: 10 Duplicates: 0 Warnings: 0

Mysql> select * from cabang_bank;

kode_cabang nama_cabang alamat_cabang

BRUB Bank Rut Unit Boyolali Jl.Ahmad Yani 45
BRUBU Bank Rut Unit Bukittinggi Jl.Semangka 6
BRUB Bank Rut Unit Bankittinggi Jl.Semangka 6
BRUB Bank Rut Unit Bankarta Jl.Budi 11
BRUG Bank Rut Unit Jakarta Jl.Pattinura 13
BRUG Bank Rut Unit Jakarta Jl.Mawar 7
BRUK Bank Rut Unit Jayan Jl.Manokwari 9
BRUP Bank Rut Unit Papua Jl.Manogiri Jalan A.Yani No.23
BRUY Bank Rut Unit Yogyakarta Jl.Angerek 21

15 rows in set (0.01 sec)
```

3) Tabel rekening

```
mysql' insert into rekening(no_rekening, kode_cabangFK, pin, saldo) values

> (114, 'BRUPA', '456'', '200000),

> (115, 'BRUP', '5678', '450000),

> (116, 'BRUA', '2245, '700000),

> (117, 'BRU)', '2456', '50000),

> (118, 'BRUC', '6780', 200000),

- (118, 'BRUC', '6780', 200000),

- (120, 'BRUT', '7654', 1000000),

- (121, 'BRUU', '9765', '200000),

- (122, 'BRUBU', '9876', '200000),

- (122, 'BRUBU', '9876', '200000),

- (123, 'BRUT', '1580', '550000);

Query OK, 10 rows affected (0.18 sec)

mysql's 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 | 4321 | 150000 |

113 BRUY | 888 | 255000 |

114 BRUPA | 4567 | 200000 |

115 BRUPA | 4567 | 450000 |

116 BRUA | 2345 | 700000 |

117 BRUA | 2345 | 700000 |

118 BRUP | 6543 | 456000 |

119 BRUP | 7654 | 450000 |

110 BRUP | 7654 | 450000 |

111 BRUW | 1234 | 550000 |

112 BRUD | 3655 | 560000 |

113 BRUY | 1580 | 550000 |

114 BRUPA | 4567 | 200000 |

115 BRUPP | 5678 | 450000 |

116 BRUA | 2345 | 700000 |

117 BRUD | 3655 | 500000 |

118 BRUG | 6789 | 200000 |

119 BRUP | 7654 | 450000 |

120 BRUB | 9765 | 2000000 |

121 BRUB | 9765 | 5000000 |

122 BRUBU | 9765 | 5000000 |

123 BRUB | 9765 | 5000000 |

124 BRUB | 9765 | 5000000 |

125 BRUBU | 9765 | 5000000 |

126 BRUB | 9765 | 5000000 |

127 BRUB | 9765 | 5000000 |

128 BRUB | 9765 | 5000000 |

129 BRUB | 9765 | 5000000 |

120 BRUB | 9765 | 5000000 |

121 BRUB | 9765 | 5000000 |

122 BRUB | 9765 | 5000000 |

123 BRUB | 9765 | 5000000 |

124 BRUB | 9765 | 5000000 |

125 BRUB | 9765 | 5000000 |

126 BRUB | 9765 | 5000000 |

127 BRUB | 9765 | 5000000 |

128 BRUB | 9765 | 5000000 |

129 BRUB | 9765 | 5000000 |

120 BRUB | 9765 | 5000000 |

120 BRUB | 9765 | 5000000 |

121 BRUB | 9765 | 50
```

4) Tabel nasabah_has_rekening

Tabel Transaksi

```
ssi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) values
, 40000),
T, 100000),
   sql> select * from transaksi;
no_transaksi | id_nasabahFK | no_rekeningFK | jenis_transaksi | tanggal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      knedit debit debit kredit kred
```