Nama: Rohmad Khoirudin

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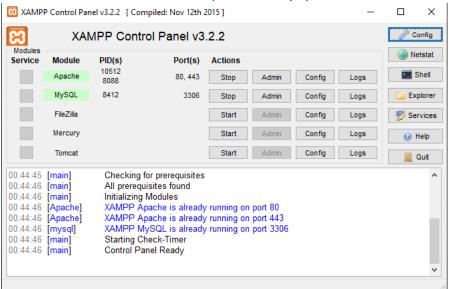
Kelas : D

Prak-SBD

Modul 5

Latihan

1. Buka XAMPP, lalu aktifkan server apache dan mysgl,



2. setelah itu masuk ke cmd dan login sebagai root ke mysql

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

Microsoft Windows [Version 10.0.18362.720]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Convy_22nd>cd c:\xampp\mysql\bin

c:\xampp\mysql\bin>mysql -u root -p

Enter password:
Welcome to the MariaDB monitor. Commands end with; or \g.
Your MariaDB connection id is 2

Server version: 10.1.34-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

3. tampilkan table database, lalu pilih/ masuk ke databse perbankan

- 4. kemudian masukan data yang diperintahkan
 - insert table nasabah

```
MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)values(1,'Sutopo',']1. Jendral Sudirman 12');
Query OK, 1 row affected (0.21 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)values(2,'Maryati',']1. MT.Haryono 31');
Query OK, 1 row affected (0.13 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)values(3,'Suparman',']1. Hasanudin 81');
Query OK, 1 row affected (0.10 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)values(4,'Kartika Padmasari',']1. Manggis 15');
Query OK, 1 row affected (0.13 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)values(5,'Budi Eko Prayogo',']1. Kantil 30');
Query OK, 1 row affected (0.16 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)values(6,'Satria Eka Jaya',']1. Slamet Riyadi 45');
Query OK, 1 row affected (0.17 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)values(7,'Indri Hapsari',']1. Sutoyo 5');
Query OK, 1 row affected (0.17 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)values(8,'Sari Murti',']1. Pangandaran 11');
Query OK, 1 row affected (0.16 sec)

MariaDB [perbankan]> insert into nasabah(id_nasabah,nama_nasabah,alamat_nasabah)values(9,'Canka Loknanta',']1. Tidar 86');
Query OK, 1 row affected (0.16 sec)
```

insert table cabang_bank

```
Scommand Prompt-mysql-uroot-p

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang)values('BRUS','Bank Rut Unit Surakarta',']1. Slamet Riyadi 18');

Query OK, 1 row affected (0.10 sec)

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang)values('BRUM','Bank Rut Unit Magelang',']1. P.Tendean 63');

Query OK, 1 row affected (0.17 sec)

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang)values('BRUB','Bank Rut Unit Boyolali',']1. Ahmad Yani 45');

Query OK, 1 row affected (0.10 sec)

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang)values('BRUK','Bank Rut Unit Klaten',']1. Suparman 23');

Query OK, 1 row affected (0.10 sec)

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang)values('BRUV','Bank Rut Unit Yogyakarta',']1. Anggrek 21');

Query OK, 1 row affected (0.04 sec)

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang)values('BRUW','Bank Rut Unit Wonogiri',']1. Untung Suropati 12');

Query OK, 1 row affected (0.06 sec)

MariaDB [perbankan]> insert into cabang_bank(kode_cabang,nama_cabang,alamat_cabang)values('BRUW','Bank Rut Unit Wonogiri',']1. Untung Suropati 12');

Query OK, 1 row affected (0.06 sec)
```

insert table rekening

insert table nasabah has rekening

```
EX Command Prompt - myxql - uroot - p
MariaDB [perbankan] > insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK)values(2,183);
Query OK, 1 row affected (0.16 sec)

MariaDB [perbankan] > insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK)values(4,186);
Query OK, 1 row affected (0.16 sec)

MariaDB [perbankan] > insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK)values(4,186);
Query OK, 1 row affected (0.16 sec)

MariaDB [perbankan] > insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK)values(3,186);
Query OK, 1 row affected (8.16 sec)

MariaDB [perbankan] > insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK)values(4,187);
Query OK, 1 row affected (8.16 sec)

MariaDB [perbankan] > insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK)values(4,187);
Query OK, 1 row affected (8.15 sec)

MariaDB [perbankan] > insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK)values(5,182);
Query OK, 1 row affected (8.15 sec)

MariaDB [perbankan] > insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK)values(5,187);
Query OK, 1 row affected (8.15 sec)

MariaDB [perbankan] > insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK)values(6,189);
Query OK, 1 row affected (8.15 sec)

MariaDB [perbankan] > insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK)values(6,189);
Query OK, 1 row affected (8.15 sec)

MariaDB [perbankan] > insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK)values(8,111);
Query OK, 1 row affected (8.15 sec)

MariaDB [perbankan] > insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK)values(8,111);
Query OK, 1 row affected (8.16 sec)

MariaDB [perbankan] > insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK)values(8,111);
Query OK, 1 row affected (8.15 sec)

MariaDB [perbankan] > insert into nasabah_has_rekening(id_nasabahFK,no_rekeningFK)values(8,112);
Query OK, 1 row affected (8.15 sec)
```

insert table transaksi

- 5. Lakukan update untuk kasus berikut
 - Nasabah dengan nama "Indri Hapsari" pindah alamat ke "Jalan Slamet Riyadi No.34"
 - ✓ Sebelum

```
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 | Canka Loknanta | Jl. Tidar 86 |

10 | Budi Murtono | Jl. Merak 22 |

10 rows in set (0.05 sec)

MariaDB [perbankan]> ___
```

✓ sesudah

- ❖ Cabang dengan kode "BRUW" pindah ke alamat "Jalan A. Yani No.23"
 - ✓ Sebelum

✓ sesudah

- 6. Lakukan penghapusan untuk kasus berikut
 - Nasabah dengan id "7" menutup rekeningnya

✓ Sebelum

```
MariaDB [perbankan]> update nasabah set alamat_nasabah='Jl. Slamet Riyadi 34' where nama_nasabah='Indri Hapsari';
Query OK, 1 row affected (0.13 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.Haryono 31 |
| 3 | Suparman | Jl. Hasanudin 81 |
| 4 | Kartika Padmasari | Jl. Manggis 15 |
| 5 | Budi Eko Prayogo | Jl. Slamet Riyadi 45 |
| 7 | Indri Hapsari | Jl. Slamet Riyadi 34 |
| 8 | Sari Murti | Jl. Pangandaran 11 |
| 9 | Canka Loknanta | Jl. Tidar 86 |
| 10 | Budi Murtono | Jl. Merak 22 |

10 rows in set (0.00 sec)

MariaDB [perbankan]> ___
```

✓ sesudah

Cabang dengan nama_cabang "Bank Rut Unit Magelang" menutup Kantornya

✓ Sebelum

✓ sesudah

```
MariaDB [perbankan]> delete from cabang_bank where nama_cabang='Bank Rut Unit Magelang';
Query OK, 1 row affected (0.16 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 |
| BRUW | Bank Rut Unit Wonogiri | Jl. A. Yani 23 |
| BRUY | Bank Rut Unit Yogyakarta | Jl. Anggrek 21 |
| 5 rows in set (0.00 sec)

MariaDB [perbankan]> ___
```

Tugas

1. Record tabel nasabah

2. Record tabel cabang_bank

3. Record tabel rekening

```
MariaDB [perbankan]> select * from rekening;
 no_rekening | kode_cabang | pin
                                       saldo
                               1111
                                          500000
                               2222
                                          350000
                                          750000
          104
                BRUM
                               4444
                                          900000
                                         2000000
                                         3000000
                                         1000000
                                         5000000
                               9999
          110
                               1234
                                          550000
                                          150000
          112
                               123
                                          300000
          113
                                          255000
          114
                               2345
                                         1000000
          115
                                         2000000
          116
                               4567
                                         3000000
          117
                               5678
                                         4000000
          118
                                         5000000
          119
                               7890
                                         6000000
          120
                               1357
                                         7000000
          121
                                         8000000
                               2468
          122
                               1290
                                         9000000
          123
                               1290
                                        10000000
MariaDB [perbankan]>
```

4. Record tabel nasabah_has_rekening

```
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),
-> (18,121),
-> (19,122),
-> (20,123);

Query OK, 10 rows affected (0.09 sec)

Records: 10 Duplicates: 0 Warnings: 0
```

5. Record transaksi

```
Record transaksi

**AariaDB [perbankan]> insert into transaksi(no_transaksi,no_rekeningFK,id_nasabahFK,jenis_transaksi,tanggal,jumlah)values
-> (31,114,11,'debit','2020-01-11',100000),
-> (32,114,11,'kredit','2020-01-11',50000),
-> (33,115,12,'debit','2020-01-22',200000),
-> (34,115,12,'kredit','2020-01-24',50000),
-> (35,116,13,'kredit','2020-01-28',50000),
-> (36,116,13,'kredit','2020-02-28',50000),
-> (37,117,14,'kredit','2020-02-31',400000),
-> (38,117,14,'kredit','2020-02-03',50000),
-> (39,118,15,'kredit','2020-02-03',50000),
-> (49,118,15,'kredit','2020-02-07',50000),
-> (41,119,16,'kredit','2020-02-11',50000),
-> (42,119,16,'kredit','2020-02-11',50000),
-> (44,120,17,'kredit','2020-02-13',700000),
-> (44,120,17,'kredit','2020-02-13',50000),
-> (44,120,17,'kredit','2020-02-13',50000),
-> (45,121,18,'kredit','2020-03-05',900000),
-> (47,122,19,'kredit','2020-03-05',900000),
-> (47,122,19,'kredit','2020-03-05',900000),
-> (49,122,19,'kredit','2020-03-25',50000),
-> (49,122,19,'kredit','2020-03-25',50000),
-> (49,122,19,'kredit','2020-03-25',50000),
-> (50,123,20,'kredit','2020-03-25',50000),
-> (50,123,20,'kredit','2020-03-25',500000),
-> (50,123,20,'kredit','2020-03-
```

		+	H		
o_transaksi 	id_nasabahFK +	no_rekeningFK	jenis_transaksi 	tanggal	jumlah +
		105	debit	2019-11-10 00:00:00	50000
		103	debit	2019-11-10 00:00:00	40000
		101	kredit	2019-11-12 00:00:00	20000
		106	debit	2019-11-13 00:00:00	30000
		107	kredit	2019-11-13 00:00:00	30000
		104	kredit	2019-11-15 00:00:00	200000
		110	kredit	2019-11-15 00:00:00	150000
		102	debit	2019-11-16 00:00:00	20000
		105	kredit	2019-11-18 00:00:00	50000
10		107	debit	2019-11-19 00:00:00	100000
11		103	debit	2019-11-19 00:00:00	100000
12		104	debit	2019-11-19 00:00:00	50000
13		107	kredit	2019-11-20 00:00:00	200000
14		105	debit	2019-11-21 00:00:00	40000
15		104	kredit	2019-11-22 00:00:00	100000
16		101	kredit	2019-11-22 00:00:00	20000
17		103	debit	2019-11-22 00:00:00	50000
18		102	debit	2019-11-25 00:00:00	50000
19	10	108	debit	2019-11-26 00:00:00	100000
		106	kredit	2019-11-27 00:00:00	50000
21		103	kredit	2019-11-28 00:00:00	200000
22		105	kredit	2019-11-28 00:00:00	100000
23		102	debit	2019-11-30 00:00:00	20000
		104	debit	2019-12-01 00:00:00	50000
25		103	debit	2019-12-02 00:00:00	40000
26		101	debit	2019-12-04 00:00:00	50000
27		103	kredit	2019-12-05 00:00:00	100000
28		102	kredit	2019-12-05 00:00:00	200000
29		109	debit	2019-12-05 00:00:00	100000
	9	110	debit	2019-12-06 00:00:00	20000
31	11	114	debit	2020-01-11 00:00:00	100000
32	11	114	kredit	2020-01-11 00:00:00	50000
33	12	115	debit	2020-01-22 00:00:00	200000
	12	115	kredit	2020-01-24 00:00:00	50000
	13	116	debit	2020-01-26 00:00:00	300000
	13	116	kredit	2020-01-28 00:00:00	50000
37	14	117	debit	2020-02-01 00:00:00	400000
	14	117	kredit	2020-02-03 00:00:00	50000
	15	118	debit	2020-02-05 00:00:00	500000
	15	118	kredit	2020-02-07 00:00:00	50000
41	16	119	debit	2020-02-09 00:00:00	600000
42	16	119	kredit	2020-02-11 00:00:00	50000
43	17	120	debit	2020-02-13 00:00:00	700000
44	17	120	kredit	2020-02-15 00:00:00	50000
	18	121	debit	2020-02-17 00:00:00	800000
	18	121	kredit	2020-02-19 00:00:00	50000
47	19	122	debit	2020-03-05 00:00:00	900000
48	19	122	kredit	2020-03-25 00:00:00	50000
		123	debit	2020-03-09 00:00:00	1000000
50	20	123	kredit	2020-03-29 00:00:00	500000