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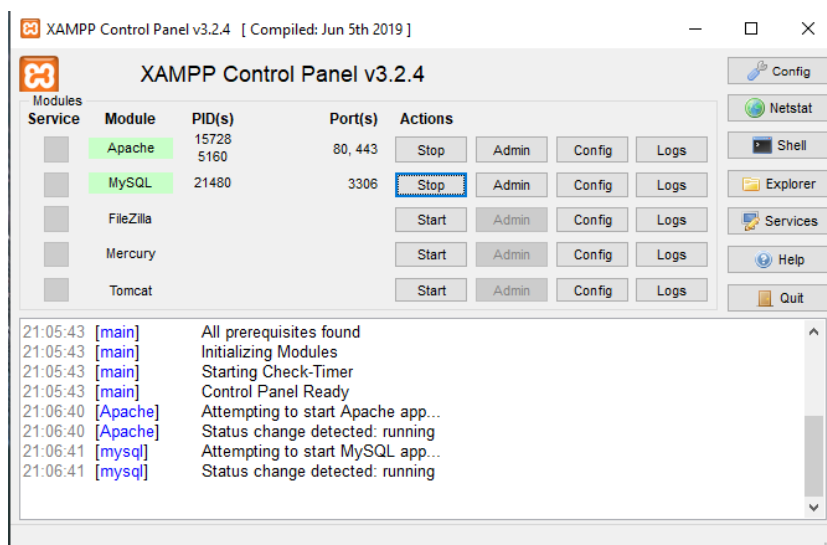
Kelas : C

PRAKTIKUM SISTEM BASIS DATA

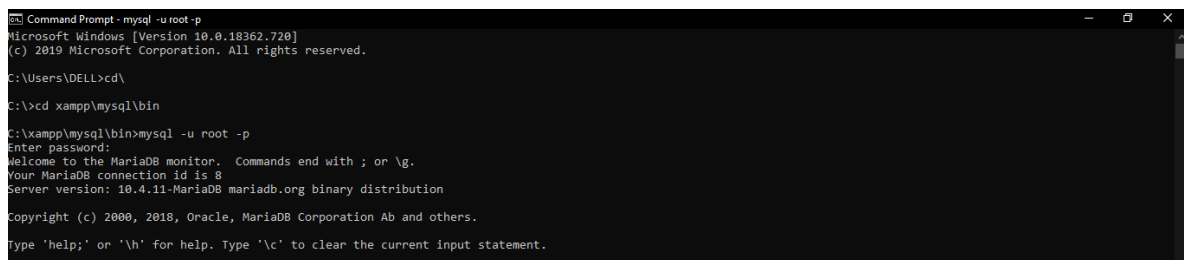
MODUL 5

Tugas

1. Jalankan XAMPP Control Panel kemudian jalankan server Apache dan MySQL



2. Membuka command prompt dan login sebagai root ke MySQL



3. Memilih database perbankan dengan perintah “use perbankan”. Sehingga akan muncul pemberitahuan “database changed”



4. Memasukkan data-data ke dalam database perbankan

- Table nasabah dengan script berikut:

```
INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES  
(1, 'Naufal', 'Kudus'),
```

(2, 'Daffa', 'Kudus '),
 (3, 'Zaky', 'Kudus '),
 (4, 'Genjis', 'Kudus '),
 (5, 'Fahmi', 'Kudus '),
 (6, 'Annisa', 'Solo'),
 (7, 'Afiq', 'Kudus'),
 (8, 'Ilmi', 'Semarang'),
 (9, 'Furqon', 'Kudus '),
 (10, 'Alya', 'Semarang');

```
MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES
-> (1, 'Naufal', 'Kudus'),
-> (2, 'Daffa', 'Kudus'),
-> (3, 'Zaky', 'Kudus'),
-> (4, 'Genjis', 'Kudus'),
-> (5, 'Fahmi', 'Kudus'),
-> (6, 'Annisa', 'Solo'),
-> (7, 'Afiq', 'Kudus'),
-> (8, 'Ilmi', 'Semarang'),
-> (9, 'Furqon', 'Kudus');
Query OK, 9 rows affected (0.237 sec)
Records: 9 Duplicates: 0 Warnings: 0
```

```
MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah) VALUES (10, 'Alya', 'Semarang');
Query OK, 1 row affected (0.053 sec)

MariaDB [perbankan]> _
```

- Tabel cabang_bank dengan script berikut:

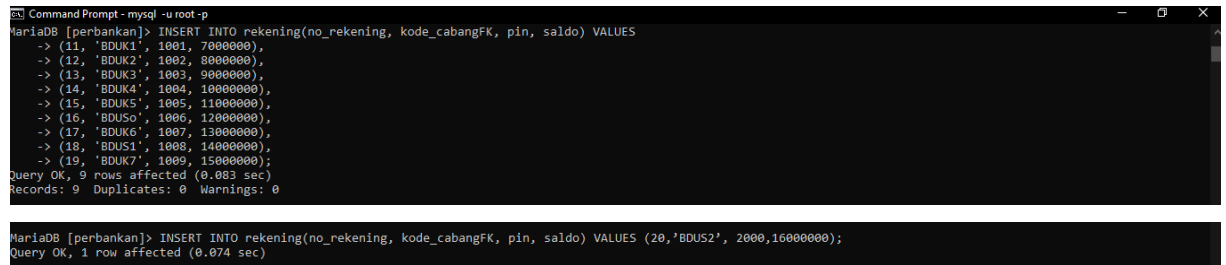
```
INSERT INTO cabang_bank(kode_cabang, nama_cabang, alamat_cabang) VALUES
('BDUK1', 'Bank Des Unit Kudus1', 'Kudus, Jawa Tengah'),
('BDUK2', 'Bank Des Unit Kudus2', 'Kudus, Jawa Tengah'),
('BDUK3', 'Bank Des Unit Kudus3', 'Kudus, Jawa Tengah'),
('BDUK4', 'Bank Des Unit Kudus4', 'Kudus, Jawa Tengah'),
('BDUK5', 'Bank Des Unit Kudus5', 'Kudus, Jawa Tengah'),
('BDUSo', 'Bank Des Unit Solo', 'Solo, Jawa Tengah'),
('BDUK6', 'Bank Des Unit Kudus6', 'Kudus, Jawa Tengah'),
('BDUS1', 'Bank Des Unit Semarang1', 'Semarang, Jawa Tengah'),
('BDUK7', 'Bank Des Unit Kudus7', 'Kudus, Jawa Tengah'),
('BDUS2', 'Bank Des Unit Semarang2', 'Semarang, Jawa Tengah');
```

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> INSERT INTO cabang_bank(kode_cabang, nama_cabang, alamat_cabang) VALUES
-> ('BDUK1', 'Bank Des Unit Kudus1', 'Kudus, Jawa Tengah'),
-> ('BDUK2', 'Bank Des Unit Kudus2', 'Kudus, Jawa Tengah'),
-> ('BDUK3', 'Bank Des Unit Kudus3', 'Kudus, Jawa Tengah'),
-> ('BDUK4', 'Bank Des Unit Kudus4', 'Kudus, Jawa Tengah'),
-> ('BDUK5', 'Bank Des Unit Kudus5', 'Kudus, Jawa Tengah'),
-> ('BDUSo', 'Bank Des Unit Solo', 'Solo, Jawa Tengah'),
-> ('BDUK6', 'Bank Des Unit Kudus6', 'Kudus, Jawa Tengah'),
-> ('BDUS1', 'Bank Des Unit Semarang1', 'Semarang, Jawa Tengah'),
-> ('BDUK7', 'Bank Des Unit Kudus7', 'Kudus, Jawa Tengah');
Query OK, 9 rows affected (0.078 sec)
Records: 9 Duplicates: 0 Warnings: 0
```

```
MariaDB [perbankan]> INSERT INTO cabang_bank(kode_cabang, nama_cabang, alamat_cabang) VALUES ('BDUS2', 'Bank Des Unit Semarang2', 'Semarang, Jawa Tengah')
-> ;
Query OK, 1 row affected (0.102 sec)
```

- Table rekening dengan script berikut:

```
INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES
(11, 'BDUK1', 1001, 7000000),
(12, 'BDUK2', 1002, 8000000),
(13, 'BDUK3', 1003, 9000000),
(14, 'BDUK4', 1004, 10000000),
(15, 'BDUK5', 1005, 11000000),
(16, 'BDUSo', 1006, 12000000),
(17, 'BDUK6', 1007, 13000000),
(18, 'BDUS1', 1008, 14000000),
(19, 'BDUK7', 1009, 15000000),
(20, 'BDUS2', 2000, 16000000);
```

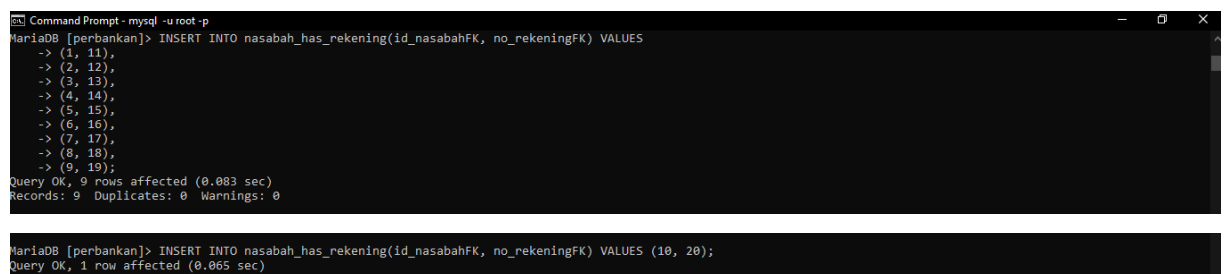


```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES
-> (11, 'BDUK1', 1001, 7000000),
-> (12, 'BDUK2', 1002, 8000000),
-> (13, 'BDUK3', 1003, 9000000),
-> (14, 'BDUK4', 1004, 10000000),
-> (15, 'BDUK5', 1005, 11000000),
-> (16, 'BDUSo', 1006, 12000000),
-> (17, 'BDUK6', 1007, 13000000),
-> (18, 'BDUS1', 1008, 14000000),
-> (19, 'BDUK7', 1009, 15000000);
Query OK, 9 rows affected (0.083 sec)
Records: 9 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> INSERT INTO rekening(no_rekening, kode_cabangFK, pin, saldo) VALUES (20, 'BDUS2', 2000, 16000000);
Query OK, 1 row affected (0.074 sec)
```

- Tabel nasabah_has_rekening dengan script sebagai berikut:

```
INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES
(1, 11),
(2, 12),
(3, 13),
(4, 14),
(5, 15),
(6, 16),
(7, 17),
(8, 18),
(9, 19),
(10, 20);
```



```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES
-> (1, 11),
-> (2, 12),
-> (3, 13),
-> (4, 14),
-> (5, 15),
-> (6, 16),
-> (7, 17),
-> (8, 18),
-> (9, 19);
Query OK, 9 rows affected (0.083 sec)
Records: 9 Duplicates: 0 Warnings: 0

MariaDB [perbankan]> INSERT INTO nasabah_has_rekening(id_nasabahFK, no_rekeningFK) VALUES (10, 20);
Query OK, 1 row affected (0.065 sec)
```

- Tabel transaksi dengan script berikut:

INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES

(31, 11, 1, 'kredit', '2019-10-2', 50000),
 (32, 12, 2, 'debit', '2019-10-3', 100000),
 (33, 13, 3, 'kredit', '2019-10-4', 30000),
 (34, 14, 4, 'kredit', '2019-10-5', 200000),
 (35, 15, 5, 'debit', '2019-10-5', 60000),
 (36, 16, 6, 'debit', '2019-10-5', 450000),
 (37, 17, 7, 'debit', '2019-10-6', 100000),
 (38, 18, 8, 'kredit', '2019-10-7', 50000),
 (39, 19, 9, 'kredit', '2019-10-8', 70000),
 (40, 111, 10, 'kredit', '2019-10-8', 30000),
 (41, 119, 11, 'debit', '2019-10-10', 500000),
 (42, 115, 12, 'debit', '2019-10-11', 45000),
 (43, 120, 13, 'debit', '2019-10-12', 200000),
 (44, 117, 14, 'kredit', '2019-10-12', 150000),
 (45, 123, 15, 'debit', '2019-10-13', 500000),
 (46, 118, 16, 'kredit', '2019-10-13', 245000),
 (47, 122, 17, 'kredit', '2019-10-14', 350000),
 (48, 123, 18, 'debit', '2019-10-17', 100000),
 (49, 121, 19, 'kredit', '2019-10-17', 80000),
 (50, 119, 20, 'kredit', '2019-10-20', 400000);

```

Command Prompt - mysql -u root -p
MariaDB [perbankan]> INSERT INTO transaksi(no_transaksi, no_rekeningFK, id_nasabahFK, jenis_transaksi, tanggal, jumlah) VALUES
-> (31, 11, 1, 'kredit', '2019-10-2', 50000),
-> (32, 12, 2, 'debit', '2019-10-3', 100000),
-> (33, 13, 3, 'kredit', '2019-10-4', 30000),
-> (34, 14, 4, 'kredit', '2019-10-5', 200000),
-> (35, 15, 5, 'debit', '2019-10-5', 60000),
-> (36, 16, 6, 'debit', '2019-10-5', 450000),
-> (37, 17, 7, 'debit', '2019-10-6', 100000),
-> (38, 18, 8, 'kredit', '2019-10-7', 50000),
-> (39, 19, 9, 'kredit', '2019-10-8', 70000),
-> (40, 111, 10, 'kredit', '2019-10-8', 30000),
-> (41, 119, 11, 'debit', '2019-10-10', 500000),
-> (42, 115, 12, 'debit', '2019-10-11', 45000),
-> (43, 120, 13, 'debit', '2019-10-12', 200000),
-> (44, 117, 14, 'kredit', '2019-10-12', 150000),
-> (45, 123, 15, 'debit', '2019-10-13', 500000),
-> (46, 118, 16, 'kredit', '2019-10-13', 245000),
-> (47, 122, 17, 'kredit', '2019-10-14', 350000),
-> (48, 123, 18, 'debit', '2019-10-17', 100000),
-> (49, 121, 19, 'kredit', '2019-10-17', 80000),
-> (50, 119, 20, 'kredit', '2019-10-20', 400000);
Query OK, 20 rows affected (0.097 sec)
Records: 20 Duplicates: 0 Warnings: 0
  
```

5. Mengecek data-data yang telah dimasukkan dalam database

- Tabel nasabah dengan perintah select * from nasabah

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> SELECT * from nasabah;
+-----+-----+-----+
| id_nasabah | nama_nasabah | alamat_nasabah |
+-----+-----+-----+
| 1 | Naufal | Kudus |
| 2 | Daffa | Kudus |
| 3 | Zaky | Kudus |
| 4 | Genjis | Kudus |
| 5 | Fahmi | Kudus |
| 6 | Annisa | Solo |
| 7 | Afliq | Kudus |
| 8 | Ilimi | Semarang |
| 9 | Furqon | Kudus |
| 10 | Aliya | Semarang |
+-----+-----+-----+
10 rows in set (0.091 sec)

MariaDB [perbankan]>
```

- Tabel cabang_bank dengan perintah select * from cabang_bank

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> SELECT *from cabang_bank;
+-----+-----+-----+
| kode_cabang | nama_cabang | alamat_cabang |
+-----+-----+-----+
| BDUK1 | Bank Des Unit Kudus1 | Kudus, Jawa Tengah |
| BDUK2 | Bank Des Unit Kudus2 | Kudus, Jawa Tengah |
| BDUK3 | Bank Des Unit Kudus3 | Kudus, Jawa Tengah |
| BDUK4 | Bank Des Unit Kudus4 | Kudus, Jawa Tengah |
| BDUK5 | Bank Des Unit Kudus5 | Kudus, Jawa Tengah |
| BDUK6 | Bank Des Unit Kudus6 | Kudus, Jawa Tengah |
| BDUK7 | Bank Des Unit Kudus7 | Kudus, Jawa Tengah |
| BDUS1 | Bank Des Unit Semarang1 | Semarang, Jawa Tengah |
| BDUS2 | Bank Des Unit Semarang2 | Semarang, Jawa Tengah |
| BDUSo | Bank Des Unit Solo | Solo, Jawa Tengah |
+-----+-----+-----+
10 rows in set (0.000 sec)

MariaDB [perbankan]>
```

- Tabel rekening dengan script select * from rekening

```
MariaDB [perbankan]> SELECT *from rekening;
+-----+-----+-----+-----+
| no_rekening | kode_cabangFK | pin | saldo |
+-----+-----+-----+-----+
| 11 | BDUK1 | 1001 | 7000000 |
| 12 | BDUK2 | 1002 | 8000000 |
| 13 | BDUK3 | 1003 | 9000000 |
| 14 | BDUK4 | 1004 | 10000000 |
| 15 | BDUK5 | 1005 | 11000000 |
| 16 | BDUSo | 1006 | 12000000 |
| 17 | BDUK6 | 1007 | 13000000 |
| 18 | BDUS1 | 1008 | 14000000 |
| 19 | BDUK7 | 1009 | 15000000 |
| 20 | BDUS2 | 2000 | 16000000 |
+-----+-----+-----+-----+
10 rows in set (0.000 sec)

MariaDB [perbankan]>
```

- Tabel nasabah_has_rekening dengan script select * from nasabah_has_rekening

```
MariaDB [perbankan]> SELECT *from nasabah_has_rekening;
+-----+-----+
| id_nasabahFK | no_rekeningFK |
+-----+-----+
| 1 | 11 |
| 2 | 12 |
| 3 | 13 |
| 4 | 14 |
| 5 | 15 |
| 6 | 16 |
| 7 | 17 |
| 8 | 18 |
| 9 | 19 |
| 10 | 20 |
+-----+-----+
10 rows in set (0.000 sec)

MariaDB [perbankan]>
```

- Tabel transaksi dengan script select * from transaksi

```
Command Prompt - mysql -u root -p
MariaDB [perbankan]> SELECT *from transaksi;
```

no_transaksi	id_nasabahFK	no_rekeningFK	jenis_transaksi	tanggal	jumlah
31	1	11	kredit	2019-10-02 00:00:00	50000
32	2	12	debit	2019-10-03 00:00:00	100000
33	3	13	kredit	2019-10-04 00:00:00	30000
34	4	14	kredit	2019-10-05 00:00:00	200000
35	5	15	debit	2019-10-05 00:00:00	60000
36	6	16	debit	2019-10-05 00:00:00	450000
37	7	17	debit	2019-10-06 00:00:00	100000
38	8	18	kredit	2019-10-07 00:00:00	50000
39	9	19	kredit	2019-10-08 00:00:00	70000
40	10	111	kredit	2019-10-08 00:00:00	30000
41	11	119	debit	2019-10-10 00:00:00	500000
42	12	115	debit	2019-10-11 00:00:00	45000
43	13	120	debit	2019-10-12 00:00:00	200000
44	14	117	kredit	2019-10-12 00:00:00	150000
45	15	123	debit	2019-10-13 00:00:00	500000
46	16	118	kredit	2019-10-13 00:00:00	245000
47	17	122	kredit	2019-10-14 00:00:00	350000
48	18	123	debit	2019-10-17 00:00:00	100000
49	19	121	kredit	2019-10-17 00:00:00	80000
50	20	119	kredit	2019-10-20 00:00:00	400000

```
20 rows in set (0.001 sec)

MariaDB [perbankan]> _
```