

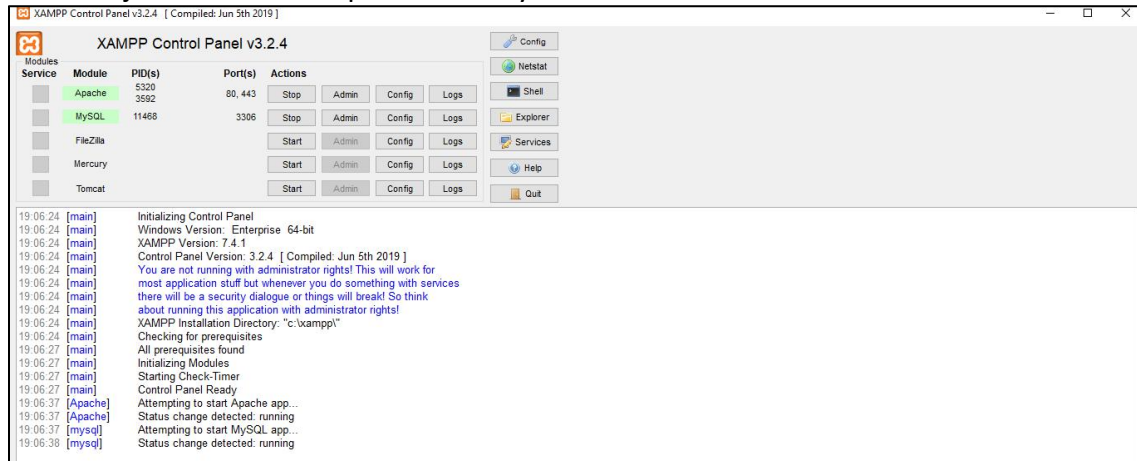
LAPORAN PRAKTIKUM

SISTEM BASIS DATA

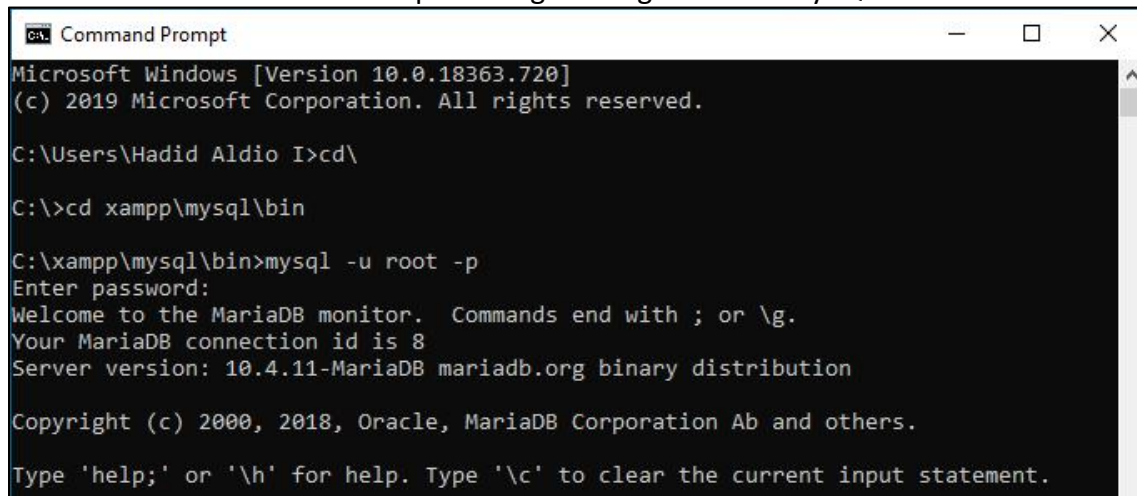
MODUL 5. DATA MANIPULATION LANGUAGE (DML)

D. Langkah-langkah Praktikum

1. Menjalankan XAMPP Control Panel
2. Menjalankan server Apache dan MySQL



3. Membuka Command Prompt dan login sebagai root ke MySQL



4. Membuka database perbankan



5. Memasukkan data

- Tabel: nasabah

```
MariaDB [perbankan]> INSERT INTO nasabah(id_nasabah, nama_nasabah, alamat_nasabah)
VALUES
-> (1,'Sutopo','Jl.Jenderal Sudirman 12'),
-> (2,'Maryati','Jl.Mt.Haryono 31'),
-> (3,'Superman','Jl.Hasanudin 81'),
-> (4,'Kartika Padmasari','Jl.Manggis 15'),
-> (5,'Budi Eko Prayogo','Jl.Kantil 31'),
-> (6,'Satria Eka Jaya','Jl.Slamet Riyadi 45'),
-> (7,'Indri Hapsari','Jl.Sutoyo 5'),
-> (8,'Sari Murti','Jl.Pangandaran 11'),
-> (9,'Canka Lokanata','Jl.Tidar 86'),
-> (10,'Budi Murtono','Jl.Merak 22');
Query OK, 10 rows affected (0.004 sec)
Records: 10 Duplicates: 0 Warnings: 0
```

- Tabel: cabang_bank

```
MariaDB [perbankan]> INSERT INTO cabang_bank(kode_cabang,nama_cabang,alamat_cabang)
VALUES
-> ('BRUS','Bank Rut Unit Surakarta','Jl.Slamet Riyadi 18'),
-> ('BRUM','Bank Rut Unit Magelang','Jl.P.Tendean 63'),
-> ('BRUB','Bank Rut Unit Boyolali','Jl.Ahmad Yani 45'),
-> ('BRUK','Bank Rut Unit Klaten','Jl.Superman 23'),
-> ('BRUY','Bank Rut Unit Yogyakarta','Jl.Anggrek 21'),
-> ('BRUW','Bank Rut Unit Wonogiri','Jl.Untung Suropati 12');
Query OK, 6 rows affected (0.005 sec)
Records: 6 Duplicates: 0 Warnings: 0
```

- Tabel: rekening

```
MariaDB [perbankan]> INSERT INTO rekening(no_rekening,kode_cabangFK,pin,saldo) VALU
ES
-> (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 (0.003 sec)
Records: 13 Duplicates: 0 Warnings: 0
```

- Tabel: nasabah_has_rekening

```
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 (0.003 sec)
Records: 15  Duplicates: 0  Warnings: 0
```

- Tabel: transaksi

```

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',2009-11-15,200000),
-> (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, 30 warnings (0.002 sec)
Records: 30 Duplicates: 0 Warnings: 30

```

6. Melakukan update

- Nasabah dengan nama 'Indri Hapsari' pindah alamat ke 'Jalan Slamet Riyadi No.34'

```

MariaDB [perbankan]> UPDATE nasabah
-> SET alamat_nasabah='Jalan Slamet Riyadi No.34'
-> WHERE nama_nasabah='Indri Hapsari';
Query OK, 1 row affected (0.002 sec)
Rows matched: 1 Changed: 1 Warnings: 0

```

- Cabang bank dengan kode 'BRUW' pindah ke alamat 'Jalan A. Yani No.23'

```

MariaDB [perbankan]> UPDATE cabang_bank
-> SET alamat_cabang='Jalan A.Yani No.23'
-> WHERE kode_cabang='BRUW';
Query OK, 1 row affected (0.001 sec)
Rows matched: 1 Changed: 1 Warnings: 0

```

7. Melakukan penghapusan

- Nasabah dengan id'7' menutup rekeningnya

```

MariaDB [perbankan]> DELETE FROM nasabah
-> WHERE id_nasabah=7;
Query OK, 1 row affected (0.001 sec)

```

- Cabang dengan nama_cabang 'Bank Rut Unit Magelang' menutup kantornya

```

MariaDB [perbankan]> DELETE FROM cabang_bank
-> WHERE nama_cabang='Bank Rut Unit Magelang';
Query OK, 1 row affected (0.001 sec)

```