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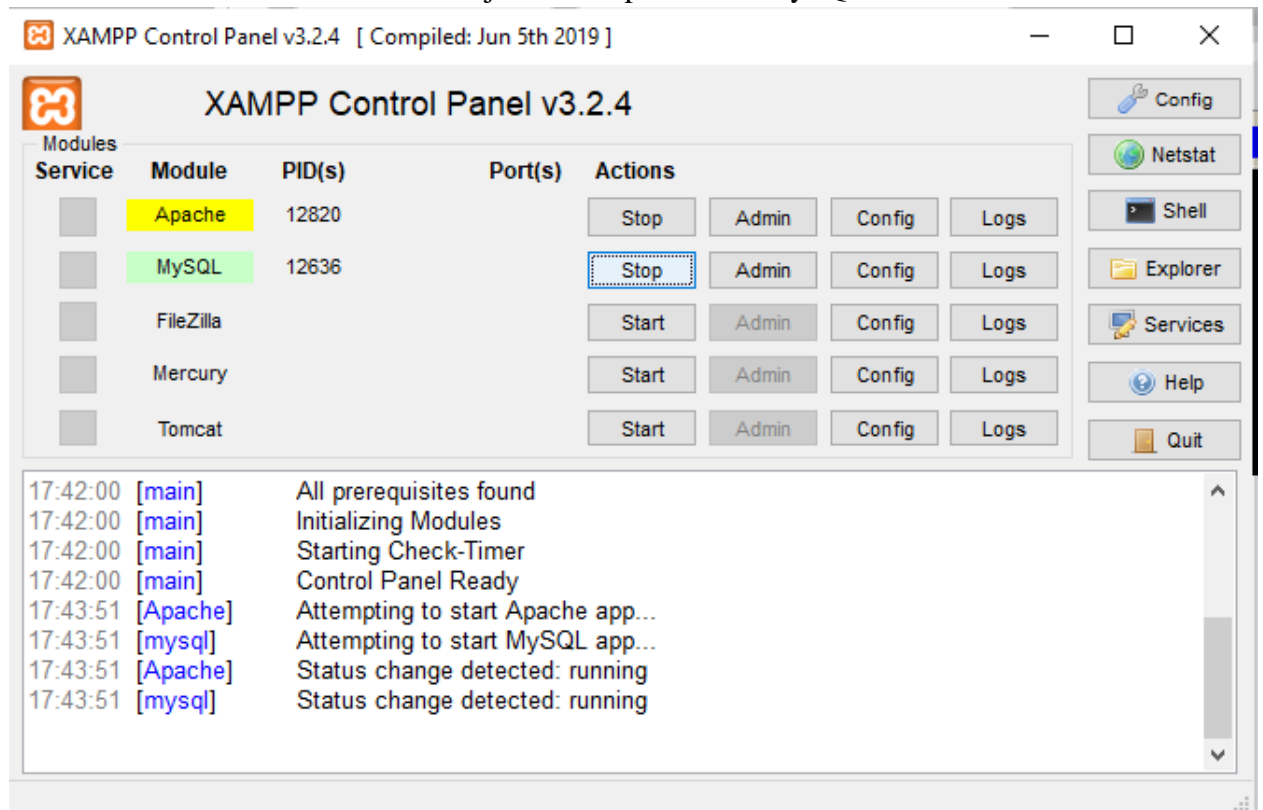
NIM : L200180050

Kelas : C

## Modul 4

### Latihan

1. Jalankan XAMPP Control Panel dan jalankan Apache dan MySQL



2. Membuat database perbankan dan menggunakannya

```
MariaDB [(none)]> create database perbankan;  
Query OK, 1 row affected (0.004 sec)  
  
MariaDB [(none)]> use perbankan;  
Database changed  
MariaDB [perbankan]>
```

3. Membuat tabel nasabah

```
MariaDB [perbankan]> create table nasabah(  
-> id_nasabah integer primary key,  
-> nama_nasabah varchar(45) not null,  
-> alamat_nasabah varchar(255) not null);  
Query OK, 0 rows affected (0.475 sec)
```

4. Membuat tabel cabang\_bank

```
MariaDB [perbankan]> create table cabang_bank(
  -> kode_cabang varchar(20) primary key,
  -> nama_cabang varchar(45) unique not null,
  -> alamat_cabang varchar(255) not null);
Query OK, 0 rows affected (0.408 sec)
```

##### 5. Membuat tabel rekening

```
MariaDB [perbankan]> create table rekening(
  -> no_rekening integer primary key,
  -> kode_cabangFK varchar(20) references cabang_bank(kode_cabang) on delete cascade on update cascade,
  -> pin varchar(20) default '1234' not null,
  -> saldo integer default 0 not null);
Query OK, 0 rows affected (0.314 sec)
```

##### 6. Membuat tabel transaksi

```
MariaDB [perbankan]> create table transaksi(
  -> no_transaksi serial primary key,
  -> id_nasabahFK integer references nasabah(id_nasabah) on delete set null on update cascade,
  -> no_rekeningFK integer references rekening(no_rekening) on delete set null on update cascade,
  -> jenis_transaksi varchar(20) default 'debit' not null,
  -> tanggal datetime not null default current_timestamp,
  -> jumlah integer not null check (jumlah>=20000));
Query OK, 0 rows affected (0.368 sec)
```

##### 7. Membuat tabel nasabah\_has\_rekening

```
MariaDB [perbankan]> create table nasabah_has_rekening(
  -> id_nasabahFK integer references nasabah(id_nasabah) on delete cascade on update cascade,
  -> no_rekeningFK integer references rekening(no_rekening) on delete cascade on update cascade,
  -> primary key(id_nasabahFK, no_rekeningFK));
Query OK, 0 rows affected (0.491 sec)
```

##### 8. Mengecek table

```
MariaDB [perbankan]> show tables;
+-----+
| Tables_in_perbankan |
+-----+
| cabang_bank          |
| nasabah              |
| nasabah_has_rekening |
| rekening             |
| transaksi            |
+-----+
```

##### 9. Melihat struktur table nasabah

```
MariaDB [perbankan]> describe nasabah;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_nasabah     | int(11)       | NO   | PRI | NULL    |       |
| nama_nasabah   | varchar(45)   | NO   |     | NULL    |       |
| alamat_nasabah | varchar(255)  | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.187 sec)
```