

Nama : Bayu Prayitno Aji

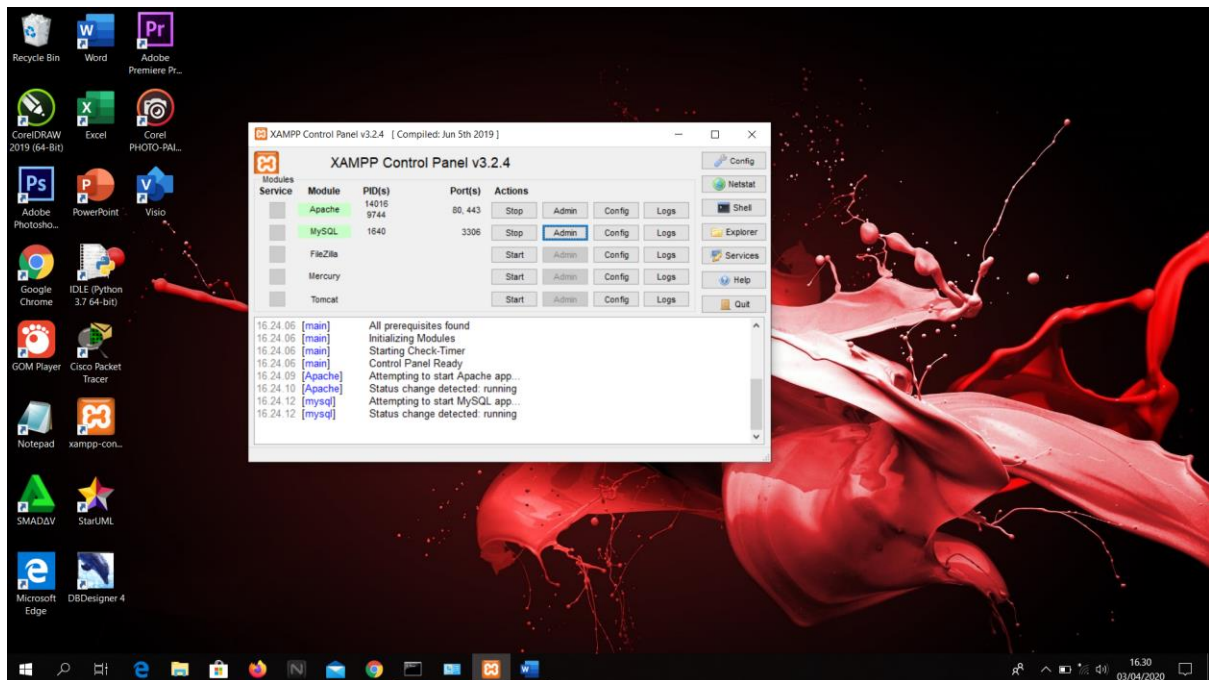
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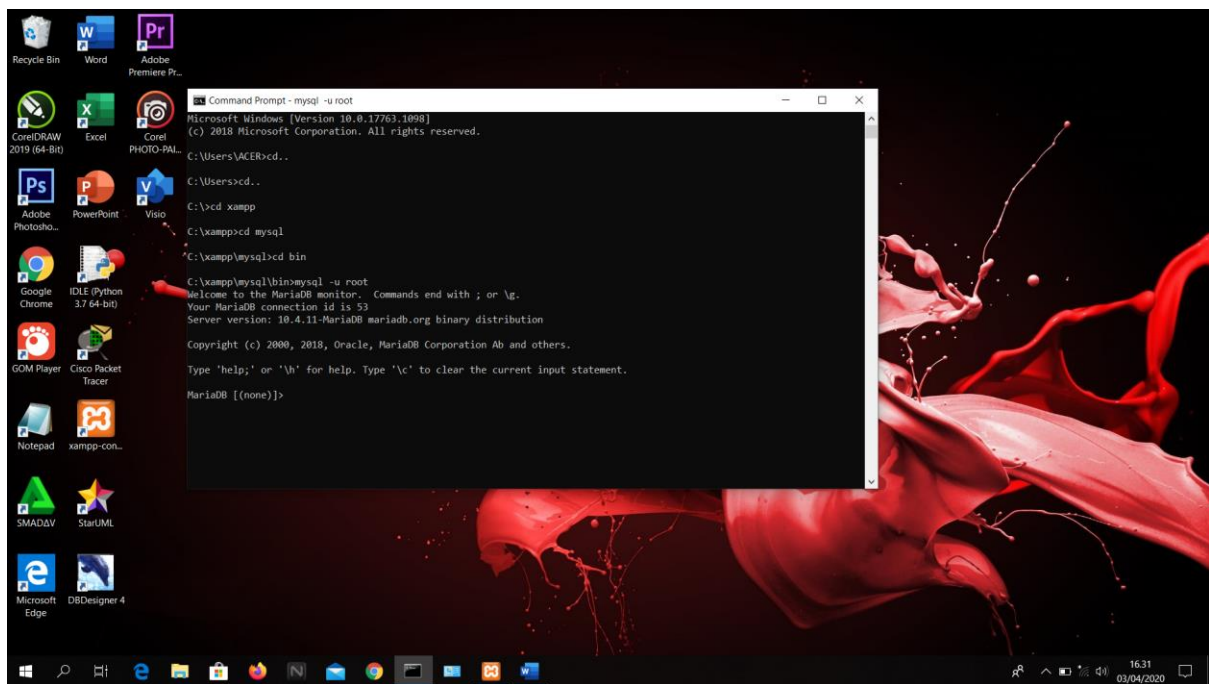
Modul 4

- Kegiatan

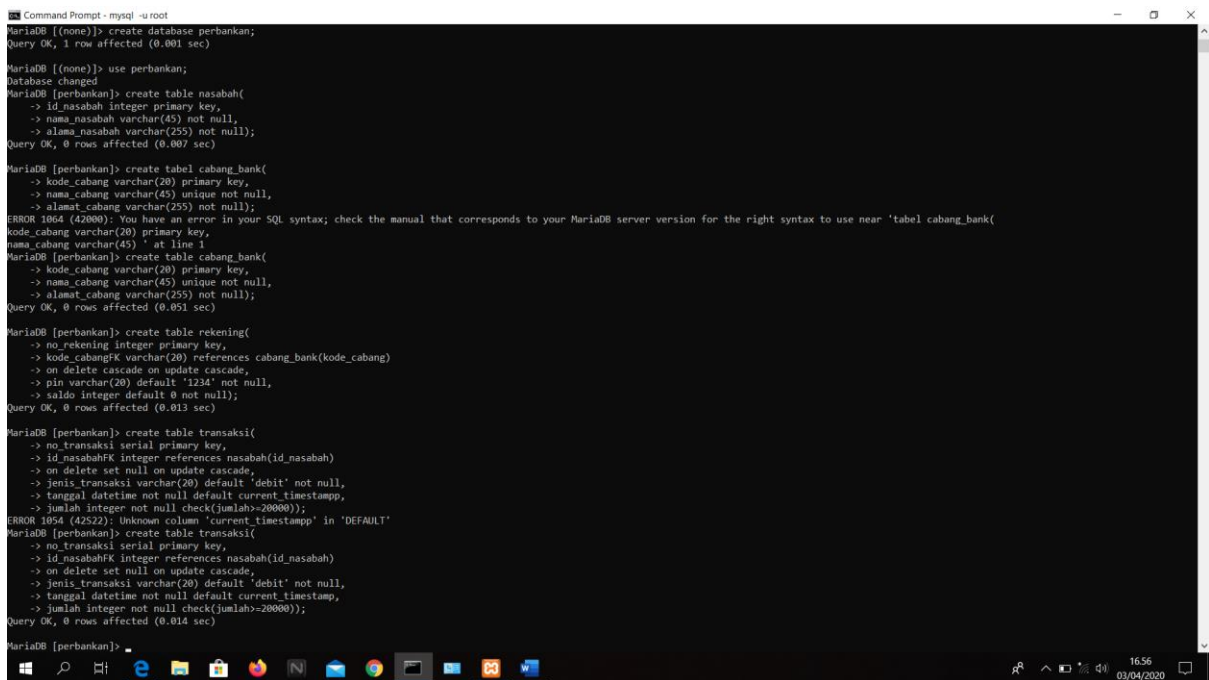
1. Jalankan XAMPP Control Panel dan server Apache serta MySQL



2. Buka command prompt dan login sebagai root di MySQL



3. Buat database baru dan table



```
Command Prompt - mysql -u root
-> alama_nasabah varchar(255) not null);
Query OK, 0 rows affected (0.007 sec)

MariaDB [perbankan]> create tabel cabang_bank(
-> kode_cabang varchar(20) primary key,
-> nama_cabang varchar(45) unique not null,
-> alamat_cabang varchar(255) not null);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'tabel cabang_bank(
kode_cabang varchar(20) primary key,
nama_cabang varchar(45) ' at line 1
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 (0.051 sec)

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 (0.013 sec)

MariaDB [perbankan]> create table transaksi(
-> no_transaksi serial primary key,
-> id_nasabahFK integer references nasabah(id_nasabah)
-> 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));
ERROR 1054 (42S22): Unknown column 'current_timestamp' in 'DEFAULT'
MariaDB [perbankan]> create table transaksi(
-> no_transaksi serial primary key,
-> id_nasabahFK integer references nasabah(id_nasabah)
-> 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 (0.014 sec)

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 (0.052 sec)

MariaDB [perbankan]>
```

4. Cek hasil pembuatan database

```
Command Prompt - mysql -u root
-> nama_cabang varchar(45) unique not null,
-> alamat_cabang varchar(255) not null);
Query OK, 0 rows affected (0.051 sec)

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 (0.013 sec)

MariaDB [perbankan]> create table transaksi(
-> no_transaksi serial primary key,
-> id_nasabahFK integer references nasabah(id_nasabah)
-> 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));
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MariaDB [perbankan]> create table transaksi(
-> no_transaksi serial primary key,
-> id_nasabahFK integer references nasabah(id_nasabah)
-> 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 (0.014 sec)

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 (0.052 sec)

MariaDB [perbankan]> show tables;
+-----+
| Tables_in_perbankan |
+-----+
| cabang_bank          |
| nasabah              |
| nasabah_has_rekening |
| rekening             |
| transaksi            |
+-----+
5 rows in set (0.001 sec)

MariaDB [perbankan]>
```

5. Melihat struktur table nasabah

```
Command Prompt - mysql -u root

MariaDB [perbankan]> create table transaksi(
  -> no_transaksi serial primary key,
  -> id_nasabahFK integer references nasabah(id_nasabah)
  -> 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));
ERROR 1054 (42S22): Unknown column 'current_timestamp' in 'DEFAULT'
MariaDB [perbankan]> create table transaksi(
  -> no_transaksi serial primary key,
  -> id_nasabahFK integer references nasabah(id_nasabah)
  -> 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 (0.014 sec)

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 (0.052 sec)

MariaDB [perbankan]> show tables;
+-----+
| Tables_in_perbankan |
+-----+
| cabang_bank          |
| nasabah              |
| nasabah_has_rekening |
| rekening             |
| transaksi            |
+-----+
5 rows in set (0.001 sec)

MariaDB [perbankan]> describe nasaabah;
ERROR 1146 (42S02): Table 'perbankan.nasaabah' doesn't exist
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 (0.049 sec)

MariaDB [perbankan]>
```