Nama : Guntur Jatmiko

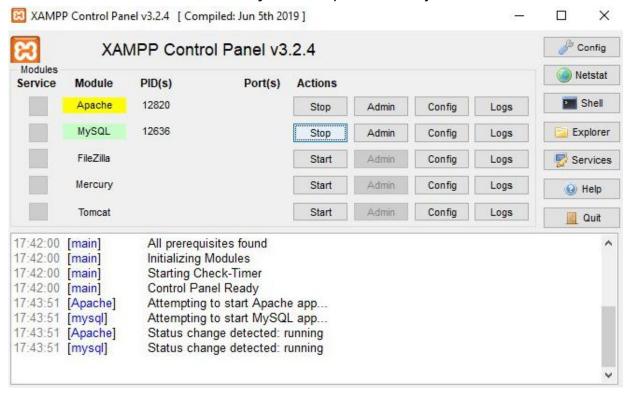
NIM : L200180039

Kelas : B

## **LAPRAK MODUL 4**

## Latihan

1) Jalankan XAMPP Control Panel dan jalankan Apache dan MySQL



2) Membuat database perbankan dan

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

MariaDB [(none)]> use perbankan;
Database changed

MariaDB [perbankan]>

menggunakanny
```

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);

Ωuery 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

## **Tugas**

1) Buka cmd lalu masuk ke directori c:\xampp\mysql\bin masuk sebagai admin(mysql -u root -p) dan buat database universitas lalu menghubungkannya

2) Lalu buat table mahasiswa,dosen,matkul,ruang\_kelas dan (tambahan- tambahan table m:n)

3) Setelah itu tampilkan table database university

4) Tampilkan struktur tiap table university

NIP   nama	int(11) varchar(49 varchar(2)	N			NULL NULL			
NIPFK id_mkFK		NO NO	PRI   PRI					
Field					Defa			
	int(11) varchar(4) varchar(2)				NULL NULL			
NIPFK id mkFk	int(11)   int(11)	NO NO	PRI	NUI			-	
	set (0.04							
	miversity]:							
Field							Extra	
		"   N 5)   N						
	varchar(45) varchar(225)				NULL			
			ibe m			s_mat		
rows in ariaDB [u Field								
rows in ariaD8 [u Field NIMFK id_mkFK		descr						
rows in ariaDB [u Field NIMFK id_mkFK rows in		descr   Null   NO   NO	+   Key +   PRI   PRI	De-				
rows in ariaDB [u Field NIMFK id_mkFK rows in		descr Null NO NO NO sec)	+   Key   PRI   PRI 	De-	fault LL LL			
rows in ariaDB [u Field NIMFK id_mkFK rows in ariaDB [u Field		descr Null NO NO NO Sec)	+   Key +   PRI   PRI + ibe ma	De-   NUI   NUI   NUI   NUI	fault LL LL			
rows in ariaDB [u Field NIMFK id_mkFK rows in ariaDB [u Field id_mk nama_mk		descr Null NO NO Sec) descr N	+   Key +   PRI   PRI + ibe ma	De-   NUI   NUI   NUI   NUI	fault LL LL ; +   Defau			
rows in ariaDB [u Field NIMFK id_mkFK rows in ariaDB [u Field id_mk nama_mk rows in rows in	Type   int(11)   int(11)   set (0.03 :   iniversity]   Type   int(11)   varchar(:	Null   NO   No   No   No   No   No   No   No	+   Key   PRI   PRI	De-   NUI   NUI   NUI   Key	fault LL ;   Defai			
rows in ariaDB [u Field NIMFK id_mkFK rows in ariaDB [u Field id_mk nama_mk rows in rows in	Type   int(11)   set (0.03 : iniversity]:   Type   int(11)   type   int(11)   varchar(: set (0.09 : iniversity]:   int(11)   varchar(: set (0.09 : iniversity]:   inivers	descr   Null   NO   NO   Sec)   descr   N   NO   NO   Sec)   No   No   No   No   No   No   No   No	Key   PRI   PRI   PRI   PRI   PRI	De   NUI   NUI   NUI   Key   PRI	fault LL LL , Defau NULL NULL			
rows in ariaDB [u Field  NIMFK id_mkFK rows in ariaDB [u Field id_mk nama_mk rows in ariaDB [u Field id_mk rows in ariaDB [u Field id_mk ariaDB [u Field id_ruang	Type	descr   Null   No   No   sec)   descr   N   25)   N   sec)   descr	Hey Key PRI	De-   NUI   NUI   NUI   Rey   PRI	fault LL LL , , Defai NULL NULL , Kelas;			