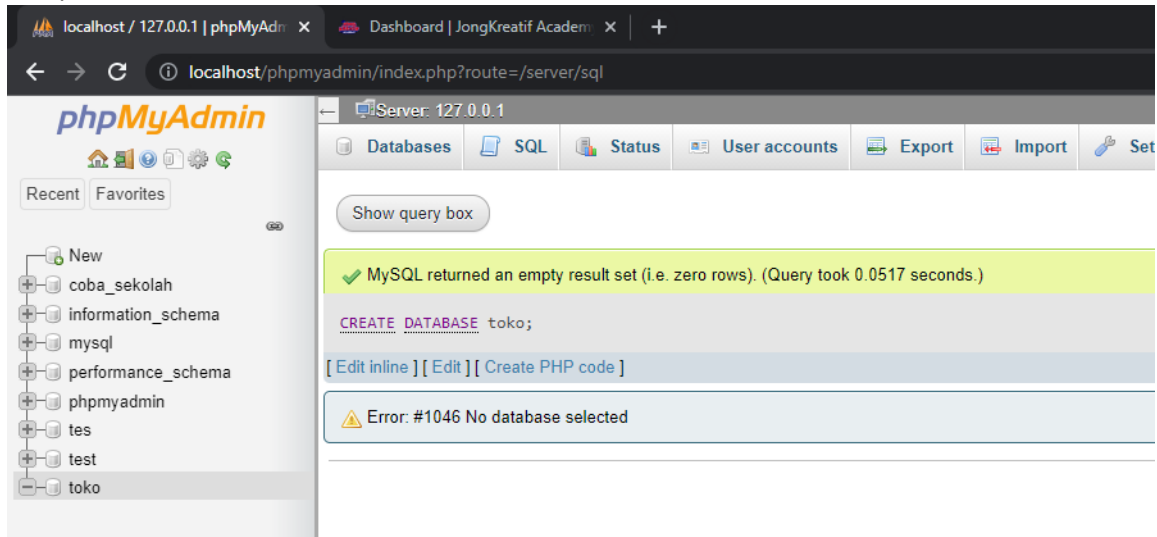# Pengenalan MySQL

1. Membuat database "toko"

   Code:

   ```
   CREATE DATABASE toko;
   ```

   Tampilan:
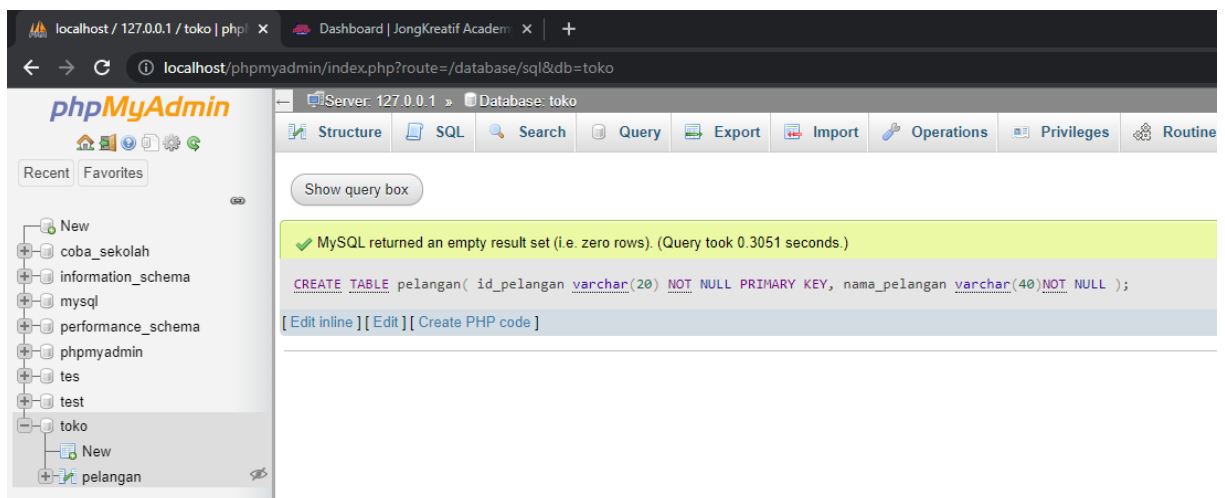

2. Membuat tabel bedasarkan ERD pelanggan dan barang

   - Membuat tabel pelanggan

     Code:

     ```
     CREATE TABLE pelangan (
     id_pelangan varchar(20) NOT NULL PRIMARY KEY,
     nama_pelangan varchar(40) NOT NULL
     )
     ```
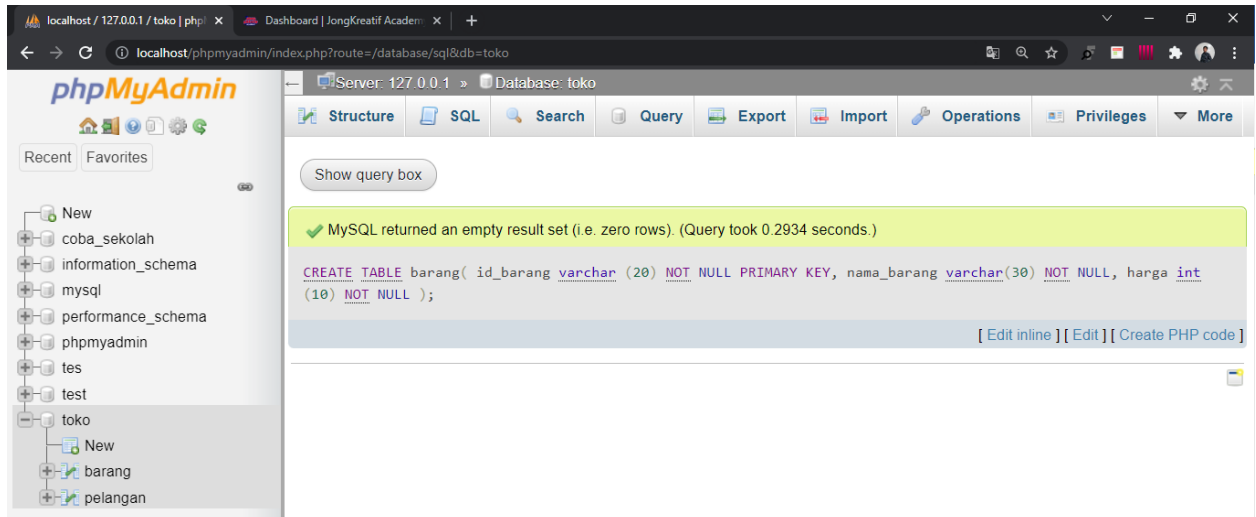
     Tampilan:

- Membuat tabel barang
  Code:

```
CREATE TABLE barang(
id_barang varchar (20) NOT NULL PRIMARY KEY,
nama_barang varchar(30) NOT NULL,
harga int (10) NOT NULL
)
```

Tampilan:

3. Mengisi data table pelanggan, minimal 10
   Code:

```
INSERT INTO pelangan (id_pelangan,nama_pelangan) VALUES
("20211001","Aulia Yunisa"),
("20211002","Alimron Aida"),
("20211003","Surip Suharto"),
("20211004","Iwan Afandi"),
("20211005","Saitama Susanto"),
("20211006","Sulis Muazin"),
("20211007","Zenrasid"),
("20211008","Rahmayani"),
("20211009","Winda Auliya"),
("20211010","Putri Astutik")
```

Tampilan:

4. Mengisi data table barang, minimal berjumlah 10
   Code:

```
INSERT INTO barang(id_barang,nama_barang,harga)VALUES
("B0001","Monitor 1080P","2500000"),
("B0002","Keyboard Game","510000"),
("B0003","Mouse Game","250000"),
("B0004","MousePad Game","80000"),
("B0005","Mouse logitac","60000"),
("B0006","Keyboard logitac","150000"),
("B0007","Kabel VGA","30000"),
("B0008","Flashdisk 16gb","50000"),
("B0009","Hardisk 1TB","650000"),
("B0010","Stop Kontak","15000")
```

Tampilan:

5. Interaksi jual-beli antara kedua tabel tersebut dalam tabel faktur dan fatur_barang, dalam satu transaksi minimal terdapat 3 barang, minimal 5 transaksi
   - Membuat tabel faktur

     Code:

     ```
     CREATE TABLE faktur(
     id_faktur varchar(10) NOT NULL PRIMARY KEY,
     id_pelangan varchar(20) NOT NULL,
     tanggal Date NOT NULL,
     CONSTRAINT id_pelangan FOREIGN KEY (id_pelangan)REFERENCES
     pelangan(id_pelangan)
     )
     ```
     Tampilan:
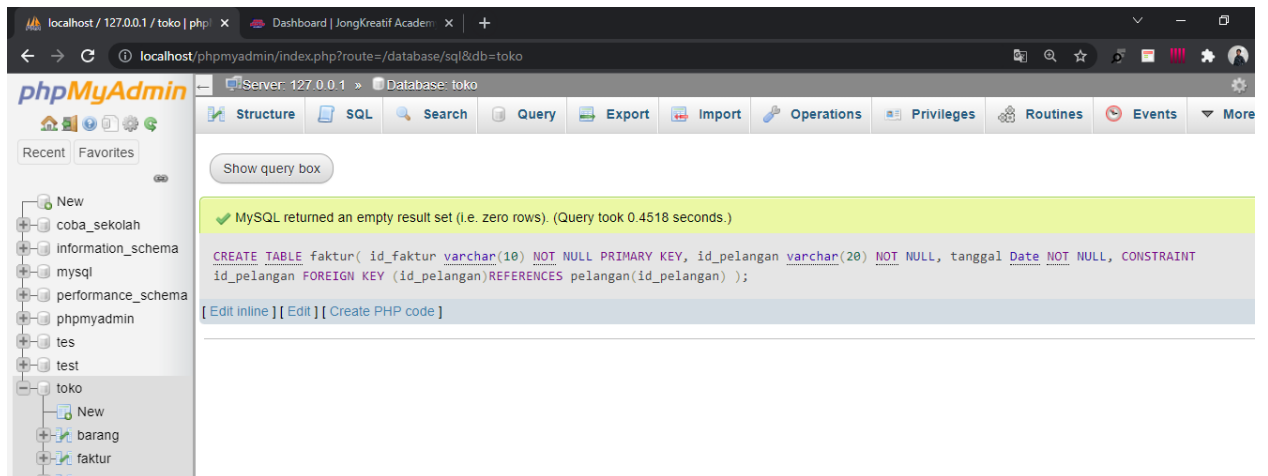
- Membuat tabel faktur_barang

  Code:

  ```
  CREATE TABLE faktur_barang (
  id_barang varchar(20) NOT NULL,
  id_faktur varchar(10) NOT NULL,
  CONSTRAINT id_barang FOREIGN KEY (id_barang) REFERENCES barang (id_barang),
  CONSTRAINT id_faktur FOREIGN KEY (id_faktur) REFERENCES faktur (id_faktur)
  )
  ```

  Tampilan:

- mengisi data tabel faktur

Code:

```
INSERT INTO faktur(id_faktur,id_pelangan,tanggal) VALUES
('F0001','20211001','2021-10-10'),
('F0002','20211002','2021-10-10'),
('F0003','20211004','2021-10-11'),
('F0004','20211005','2021-10-12'),
('F0005','20211008','2021-10-13'),
('F0006','20211009','2021-10-14'),
('F0007','20211010','2021-10-14')
```
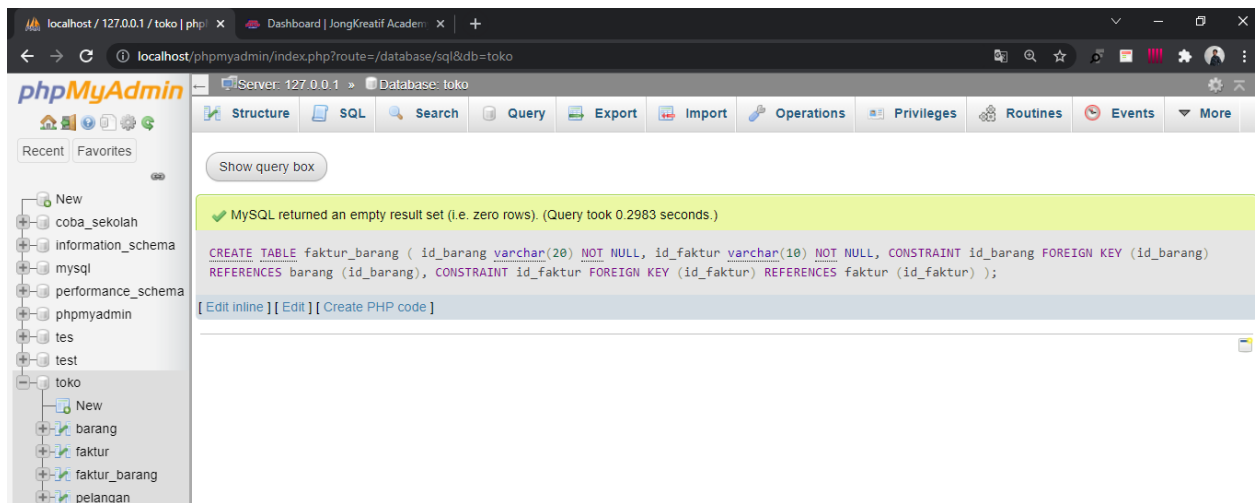
Tampilan:

- mengisi data tabel faktur_barang

Code:

```
INSERT INTO faktur_barang (id_barang,id_faktur)VALUES
("B0001","F0001"),
("B0005","F0001"),
("B0006","F0001"),
("B0002","F0002"),
("B0010","F0002"),
("B0009","F0002"),
("B0001","F0003"),
("B0003","F0003"),
("B0005","F0003"),
("B0001","F0004"),
("B0006","F0004"),
("B0004","F0004"),
("B0007","F0005"),
("B0008","F0005"),
("B0002","F0005"),
("B0004","F0006"),
("B0002","F0006"),
("B0001","F0006"),
("B0009","F0007"),
("B0006","F0007"),
("B0010","F0007")
```

Tampilan:

New
coba_sekolah
information_schema
mysql
performance_schema
phpmyadmin
tes
test
toko
  New
  barang
  faktur
  faktur_barang
  pelangan
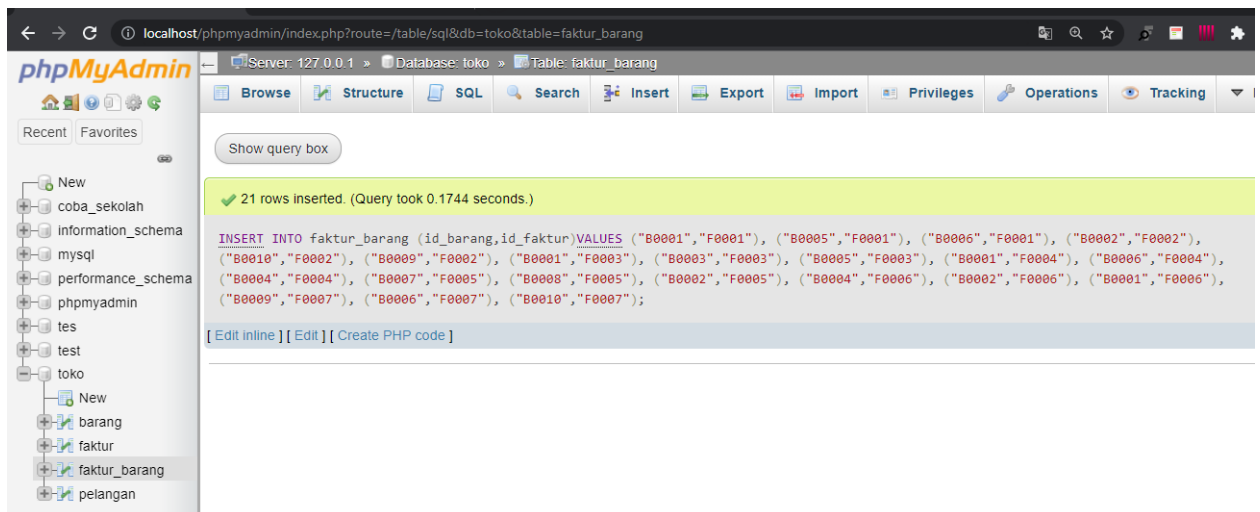
⚠ Current selection does not conta

✓ Showing rows 0 - 20 (21 total, Q

SELECT * FROM `faktur_barang`

☐ Profiling [Edit inline] [Edit] [Exp

☐ Show all | Number of rows:

+ Options

id_barang	id_faktur
B0001	F0001
B0005	F0001
B0006	F0001
B0002	F0002
B0010	F0002
B0009	F0002
B0001	F0003
B0003	F0003
B0005	F0003
B0001	F0004
B0006	F0004
B0004	F0004
B0007	F0005
B0008	F0005
B0002	F0005
B0004	F0006
B0002	F0006
B0001	F0006
B0009	F0007
B0006	F0007
B0010	F0007

toko pelangan
- id_pelangan : varchar(20)
- nama_pelangan : varchar(40)

toko faktur
- id_faktur : varchar(10)
- id_pelangan : varchar(20)
- tanggal : date

toko barang
- id_barang : varchar(20)
- nama_barang : varchar(30)
- harga : int(10)

toko faktur_barang
- id_barang : varchar(20)
- id_faktur : varchar(10)