

Nama : Fanny Devita Inggarini

Npm : 1194015

Kelas : D4 TI 1A

Proses pembuatan database menggunakan Query MYSQL

- Buka CMD kemudian tuliskan sesuai langkah - langkah dibawah ini.

```
Command Prompt - mysql -u root
Microsoft Windows [Version 10.0.18362.900]
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C:\Users\asus>cd \

C:\>cd xampp

C:\xampp>cd mysql

C:\xampp\mysql>cd bin

C:\xampp\mysql\bin>mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 9
Server version: 10.4.13-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create database perusahaan;
Query OK, 1 row affected (0.003 sec)

MariaDB [(none)]> show database;
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 'database' a
t line 1
MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| konsumen |
| mysql |
| performance_schema |
| perusahaan |
| phpmyadmin |
| sales |
| test |
+-----+
8 rows in set (0.029 sec)

MariaDB [(none)]> use perusahaan;
Database changed
MariaDB [perusahaan]>
```

```
Command Prompt - mysql -u root

+-----+
| performance_schema |
| perusahaan |
| phpmyadmin |
| sales |
| test |
+-----+
8 rows in set (0.029 sec)

MariaDB [(none)]> use perusahaan;
Database changed
MariaDB [perusahaan]> show tables;
Empty set (0.007 sec)

MariaDB [perusahaan]> create table sales(sales_id VARCHAR(20) NOT NULL PRIMARY KEY, nama VARCHAR(200), alamat TEXT);
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 'VARCHAR(200)
, alamat TEXT)' at line 1
MariaDB [perusahaan]> create table sales(sales_id VARCHAR(20) NOT NULL PRIMARY KEY, nama VARCHAR(200), Alamat TEXT);
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 'VARCHAR(200)
, Alamat TEXT)' at line 1
MariaDB [perusahaan]> create table sales (sales_id VARCHAR (20) NOT NULL PRIMARY KEY, nama VARCHAR(200), Alamat TEXT);
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 'VARCHAR(200)
, Alamat TEXT)' at line 1
MariaDB [perusahaan]> create table sales (sales_id VARCHAR (20) NOT NULL PRIMARY KEY, nama VARCHAR(200), Alamat TEXT);
Query OK, 0 rows affected (0.376 sec)

MariaDB [perusahaan]> SHOW TABLES;
+-----+
| Tables_in_perusahaan |
+-----+
| sales |
+-----+
1 row in set (0.001 sec)

MariaDB [perusahaan]> DESC SALES;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| sales_id | varchar(20) | NO | PRI | NULL | |
| nama | varchar(200) | YES | | NULL | |
| Alamat | text | YES | | NULL | |
+-----+
3 rows in set (0.111 sec)

MariaDB [perusahaan]>
```

Command Prompt - mysql -u root

```
MariaDB [perusahaan]> CREATE TABLE FAKTUR (faktur_id VARCHAR (200) NOT NULL PRIMARY KEY, tgl DATE, icon_id VARCHAR (20), nb TEXT, disc INT, debit INT, kredit INT, tempo
DATE, sales_id VARCHAR (20), tgl_bayar DATE, retur INT);
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 ' sales_id V
ARCHAR (20), tgl_bayar DATE, retur INT' at line 1
MariaDB [perusahaan]>
MariaDB [perusahaan]>
MariaDB [perusahaan]> create table faktur(faktur_id VARCHAR (200) NOT NULL PRIMARY KEY, tgl DATE, icon_id VARCHAR (20), nb TEXT, disc INT (20), debit INT (20), kredit I
NT (20), tempo DATE, sales_id VARCHAR (20), tgl_bayar DATE, retur INT (20));
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 '' at line 1
MariaDB [perusahaan]> create table faktur(faktur_id VARCHAR (200) NOT NULL PRIMARY KEY, tgl DATE, icon_id VARCHAR (20), nb TEXT, disc INT (20), debit INT (20), kredit I
NT (20), tempo DATE, sales_id VARCHAR (20), tgl_bayar DATE, retur INT (20));
Query OK, 0 rows affected (0.449 sec)
```

MariaDB [perusahaan]> SHOW TABLES;

```
-----+-----
| Tables_in_perusahaan |
-----+-----
| faktur                |
| sales                 |
-----+-----
2 rows in set (0.001 sec)
```

MariaDB [perusahaan]> DESC FAKTUR;

| Field | Type | Null | Key | Default | Extra |
|-----------|--------------|------|-----|---------|-------|
| faktur_id | varchar(200) | NO | PRI | NULL | |
| tgl | date | YES | | NULL | |
| icon_id | varchar(20) | YES | | NULL | |
| nb | text | YES | | NULL | |
| disc | int(20) | YES | | NULL | |
| debit | int(20) | YES | | NULL | |
| kredit | int(20) | YES | | NULL | |
| tempo | date | YES | | NULL | |
| sales_id | varchar(20) | YES | | NULL | |
| tgl_bayar | date | YES | | NULL | |
| retur | int(20) | YES | | NULL | |

11 rows in set (0.040 sec)

MariaDB [perusahaan]>

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| | | | | | |
|-------|---------|-----|--|------|--|
| retur | int(20) | YES | | NULL | |
|-------|---------|-----|--|------|--|

11 rows in set (0.040 sec)

```
MariaDB [perusahaan]> create table supllier( id CHAR (20) NOT NULL PRIMARY KEY, nama CHAR (200), alamat CHAR (200), kota CHAR (100));
Query OK, 0 rows affected (0.477 sec)
```

MariaDB [perusahaan]> show tables;

```
-----+-----
| Tables_in_perusahaan |
-----+-----
| faktur                |
| sales                 |
| supllier              |
-----+-----
3 rows in set (0.002 sec)
```

MariaDB [perusahaan]> desc supllier;

| Field | Type | Null | Key | Default | Extra |
|--------|-----------|------|-----|---------|-------|
| id | char(20) | NO | PRI | NULL | |
| nama | char(200) | YES | | NULL | |
| alamat | char(200) | YES | | NULL | |
| kota | char(100) | YES | | NULL | |

4 rows in set (0.022 sec)

```
MariaDB [perusahaan]> create table faktur_beli( faktur_id VARCHAR (200) NOT NULL PRIMARY KEY, tgl DATE, sup_id VARCHAR (20), nb TEXT, disc INT (20), debit INT (20), Kr
edit INT (20), tempo DATE, tgl_bayar DATE, retur INT (20));
Query OK, 0 rows affected (0.468 sec)
```

MariaDB [perusahaan]> SHOW TABLES;

```
-----+-----
| Tables_in_perusahaan |
-----+-----
| faktur                |
| faktur_beli           |
| sales                 |
| supllier              |
-----+-----
4 rows in set (0.001 sec)
```

MariaDB [perusahaan]>

```
Command Prompt - mysql -u root

4 rows in set (0.001 sec)

MariaDB [perusahaan]> DESC FAKTUR_BELI;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| faktur_id | varchar(200) | NO | PRI | NULL |  |
| tgl | date | YES |  | NULL |  |
| sup_id | varchar(20) | YES |  | NULL |  |
| nb | text | YES |  | NULL |  |
| disc | int(20) | YES |  | NULL |  |
| debit | int(20) | YES |  | NULL |  |
| kredit | int(20) | YES |  | NULL |  |
| tempo | date | YES |  | NULL |  |
| tgl_bayar | date | YES |  | NULL |  |
| retur | int(20) | YES |  | NULL |  |
+-----+-----+-----+-----+-----+-----+

10 rows in set (0.031 sec)

MariaDB [perusahaan]> create table jenis( jenis_id INT (4) NOT NULL PRIMARY KEY, jenis_brg CHAR (100));
Query OK, 0 rows affected (0.504 sec)

MariaDB [perusahaan]> SHOW TABLES;
+-----+
| Tables_in_perusahaan |
+-----+
| faktur |
| faktur_beli |
| jenis |
| sales |
| supplier |
+-----+

5 rows in set (0.001 sec)

MariaDB [perusahaan]> DESC JENIS;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| jenis_id | int(4) | NO | PRI | NULL |  |
| jenis_brg | char(100) | YES |  | NULL |  |
+-----+-----+-----+-----+-----+-----+

2 rows in set (0.038 sec)

MariaDB [perusahaan]>
```

```
Command Prompt - mysql -u root

+-----+
| Tables_in_perusahaan |
+-----+
| barang |
| faktur |
| faktur_beli |
| faktur_mutasi |
| jenis |
| sales |
| supplier |
+-----+

7 rows in set (0.002 sec)

MariaDB [perusahaan]> DESC FAKTUR_MUTASI;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| faktur_id | varchar(200) | NO | PRI | NULL |  |
| tgl | date | YES |  | NULL |  |
| nb | text | YES |  | NULL |  |
| debit | int(20) | YES |  | NULL |  |
| icon_id | char(50) | YES |  | NULL |  |
+-----+-----+-----+-----+-----+-----+

5 rows in set (0.027 sec)

MariaDB [perusahaan]> create table faktur_retur( faktur_id VARCHAR (200) NOT NULL PRIMARY KEY, icon_id VARCHAR (20), tgl DATE, nb TEXT, debit INT (20), disc INT(20), retur INT (20));
Query OK, 0 rows affected (0.350 sec)

MariaDB [perusahaan]> SHOW TABLES;
+-----+
| Tables_in_perusahaan |
+-----+
| barang |
| faktur |
| faktur_beli |
| faktur_mutasi |
| faktur_retur |
| jenis |
| sales |
| supplier |
+-----+

8 rows in set (0.001 sec)

MariaDB [perusahaan]>
```

Command Prompt - mysql -u root

```
faktur_mutasi
faktur_retur
jenis
sales
supplier
-----
8 rows in set (0.001 sec)

MariaDB [perusahaan]> DESC FKTUR_RETUR;
ERROR 1146 (42S02): Table 'perusahaan.fktur_retur' doesn't exist
MariaDB [perusahaan]> DESC FAKTUR_RETUR;
```

| Field | Type | Null | Key | Default | Extra |
|-----------|--------------|------|-----|---------|-------|
| faktur_id | varchar(200) | NO | PRI | NULL | |
| icon_id | varchar(20) | YES | | NULL | |
| tgl | date | YES | | NULL | |
| nb | text | YES | | NULL | |
| debit | int(20) | YES | | NULL | |
| disc | int(20) | YES | | NULL | |
| retur | int(20) | YES | | NULL | |

7 rows in set (0.017 sec)

```
MariaDB [perusahaan]> create table pembelian( faktur_id CHAR (20), brg_jd CHAR (20), qty INT (20), disc FLOAT, discrp INT (20), harga INT (20));
Query OK, 0 rows affected (0.428 sec)
```

```
MariaDB [perusahaan]> SHOW TABLES;
```

| Tables_in_perusahaan |
|----------------------|
| barang |
| faktur |
| faktur_beli |
| faktur_mutasi |
| faktur_retur |
| jenis |
| pembelian |
| sales |
| supplier |

9 rows in set (0.002 sec)

```
MariaDB [perusahaan]>
```

Command Prompt - mysql -u root

```
faktur_beli
faktur_mutasi
faktur_retur
jenis
pembelian
sales
supplier
-----
9 rows in set (0.002 sec)
```

```
MariaDB [perusahaan]> DESC PEMBELIAN;
```

| Field | Type | Null | Key | Default | Extra |
|-----------|----------|------|-----|---------|-------|
| faktur_id | char(20) | YES | | NULL | |
| brg_jd | char(20) | YES | | NULL | |
| qty | int(20) | YES | | NULL | |
| disc | float | YES | | NULL | |
| discrp | int(20) | YES | | NULL | |
| harga | int(20) | YES | | NULL | |

6 rows in set (0.036 sec)

```
MariaDB [perusahaan]> create table penjualan( faktur_id CHAR (20), brg_id CHAR (20), qty INT (20), disc FLOAT (11), discrp INT (20), harga INT (20));
Query OK, 0 rows affected (1.590 sec)
```

```
MariaDB [perusahaan]> show tables;
```

| Tables_in_perusahaan |
|----------------------|
| barang |
| faktur |
| faktur_beli |
| faktur_mutasi |
| faktur_retur |
| jenis |
| pembelian |
| penjualan |
| sales |
| supplier |

10 rows in set (0.001 sec)

```
MariaDB [perusahaan]>
```

Command Prompt - mysql -u root

```
faktur_retur
jenis
pembelian
penjualan
sales
supplier
```

10 rows in set (0.001 sec)

MariaDB [perusahaan]> desc penjualan;

| Field | Type | Null | Key | Default | Extra |
|-----------|----------|------|-----|---------|-------|
| faktur_id | char(20) | YES | | NULL | |
| brg_id | char(20) | YES | | NULL | |
| qty | int(20) | YES | | NULL | |
| disc | float | YES | | NULL | |
| discrp | int(20) | YES | | NULL | |
| harga | int(20) | YES | | NULL | |

6 rows in set (0.008 sec)

MariaDB [perusahaan]> create table retur_penjualan(faktur_id CHAR (20), brg_id CHAR (20), qty INT (20), disc FLOAT, discrp INT (20), harga INT (20));
Query OK, 0 rows affected (0.469 sec)

MariaDB [perusahaan]> show tables;

```
Tables_in_perusahaan
barang
faktur
faktur_beli
faktur_mutasi
faktur_retur
jenis
pembelian
penjualan
retur_penjualan
sales
supplier
```

11 rows in set (0.001 sec)

MariaDB [perusahaan]>

Command Prompt - mysql -u root

```
sales
supplier
```

11 rows in set (0.001 sec)

MariaDB [perusahaan]> desc retur_penjualan;

| Field | Type | Null | Key | Default | Extra |
|-----------|----------|------|-----|---------|-------|
| faktur_id | char(20) | YES | | NULL | |
| brg_id | char(20) | YES | | NULL | |
| qty | int(20) | YES | | NULL | |
| disc | float | YES | | NULL | |
| discrp | int(20) | YES | | NULL | |
| harga | int(20) | YES | | NULL | |

6 rows in set (0.044 sec)

MariaDB [perusahaan]> create table mutasi(faktur_id CHAR (20), brg_id CHAR (20) FOREIGN KEY, qty INT (20));
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 'FOREIGN KEY , qty INT (20))' at line 1

MariaDB [perusahaan]> create table mutasi(faktur_id CHAR (20), brg_id CHAR (20), qty INT (20));
Query OK, 0 rows affected (0.363 sec)

MariaDB [perusahaan]> SHOW TABLES;

```
Tables_in_perusahaan
barang
faktur
faktur_beli
faktur_mutasi
faktur_retur
jenis
mutasi
pembelian
penjualan
retur_penjualan
sales
supplier
```

12 rows in set (0.001 sec)

MariaDB [perusahaan]>

```
Command Prompt - mysql -u root

jenis
mutasi
pembelian
penjualan
retur_penjualan
sales
supplier
-----+
12 rows in set (0.001 sec)

MariaDB [perusahaan]> DESC MUTASI;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| faktur_id | char(20) | YES | | NULL | |
| brg_id | char(20) | YES | | NULL | |
| qty | int(20) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.049 sec)

MariaDB [perusahaan]> create table konsumen( id CHAR (50), nama CHAR (100), alamat CHAR (100), kota CHAR (100), npwp VARCHAR (200));
Query OK, 0 rows affected (0.307 sec)

MariaDB [perusahaan]> SHOW TABLES;
+-----+
| Tables_in_perusahaan |
+-----+
| barang |
| faktur |
| faktur_beli |
| faktur_mutasi |
| faktur_retur |
| jenis |
| konsumen |
| mutasi |
| pembelian |
| penjualan |
| retur_penjualan |
| sales |
| supplier |
+-----+
13 rows in set (0.002 sec)

MariaDB [perusahaan]>
```

```
MariaDB [perusahaan]> DESC KONSUMEN;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id | char(50) | YES | | NULL | |
| nama | char(100) | YES | | NULL | |
| alamat | char(100) | YES | | NULL | |
| kota | char(100) | YES | | NULL | |
| npwp | varchar(200) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.017 sec)

MariaDB [perusahaan]>
```

Keterangan:

Create databases : berguna untuk nama database yang akan dibuat

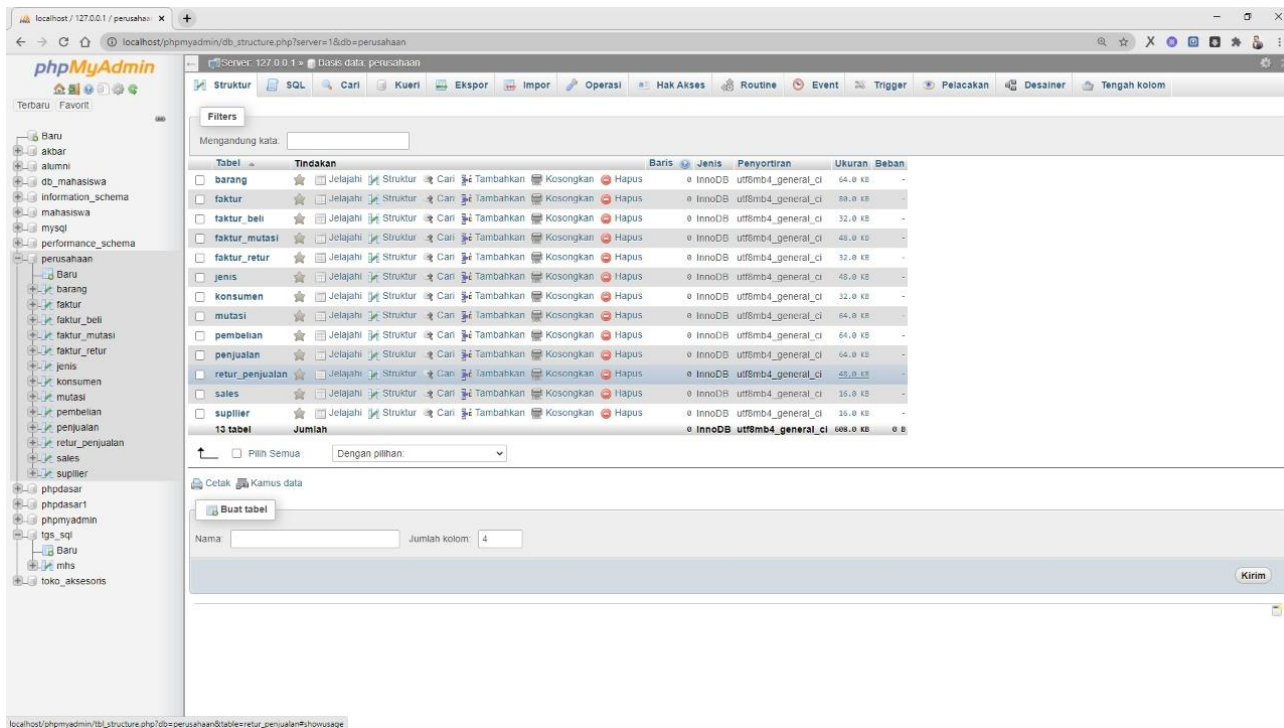
Create table : berguna untuk membuat tabel yang ada didalam database

Not null : tidak boleh dikosongi atau wajib diisi

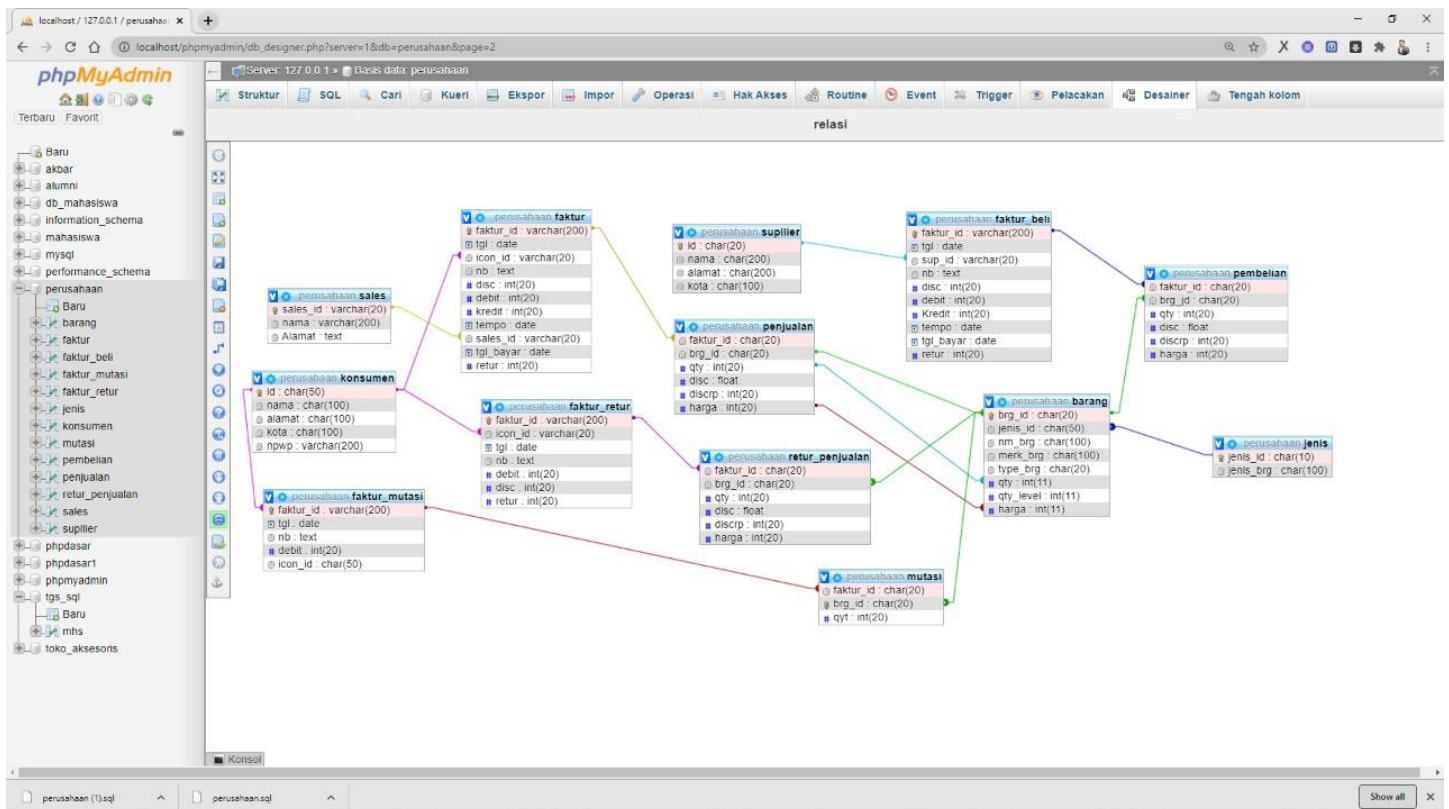
Show tables : untuk menampilkan tabel apa saja yang ada pada database tersebut

Desc (nama tabel) : menampilkan apa saja yang ada didalam sebuah tabel

- Nyalakan xampp
- Jalankan (start) mysql dan apache
- Buka google chrome
- Ketikkan localhost/phpmyadmin
- Lalu buka database yang sudah dibuat maka akan muncul tampilan seperti dibawah ini



- Lalu hubungkan tabel tabel yang ada dalam database tersebut dengancara merelasikan



Diatas adalah relasi dari datavase yang ada diatas