

```
Select Command Prompt - mysql -u root -p
Microsoft Windows [Version 10.0.19044.1889]
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C:\Users\salsa>cd..
C:\Users>cd..
C:\>cd xampp\mysql\bin
C:\xampp\mysql\bin>mysql -u root -p
ERROR 1049 (42000): Unknown database '='
C:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 47
Server version: 10.4.24-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)]> show databases;
+-----+
| Database |
+-----+
| belajar |
| dbsalwa |
| information_schema |
| karyawan |
| mahasiswa |
| mysql |
| percobaan |
| performance_schema |
| perpustakaan |
+-----+
```

Gambar 1 Masuk ke dalam MariaDB monitor

```
MariaDB [(none)]> create database db_sinaukoding22;
Query OK, 1 row affected (0.001 sec)
```

Gambar 2 Membuat Database

```
MariaDB [(none)]> use db_sinaukoding22;
Database changed
MariaDB [db_sinaukoding22]> create table tb_user
-> (id_user int(3) not null primary key,
-> username varchar(256) not null,
-> password varchar(257) not null,
-> email varchar(258) not null,
-> role varchar(259) not null);
Query OK, 0 rows affected (0.424 sec)
```

Gambar 3 memilih database yg sudah dibuat dan membuat table tb\_user di database db\_sinaukoding22

```
MariaDB [db_sinaukoding22]> show tables;
+-----+
| Tables_in_db_sinaukoding22 |
+-----+
| tb_user |
+-----+
1 row in set (0.001 sec)

MariaDB [db_sinaukoding22]> desc tb_user;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| id_user | int(3) | NO | PRI | NULL | |
| username | varchar(256) | NO | | NULL | |
| password | varchar(257) | NO | | NULL | |
| email | varchar(258) | NO | | NULL | |
| role | varchar(259) | NO | | NULL | |
+-----+
5 rows in set (0.013 sec)
```

Gambar 4 melihat table user yang tadi dibuat

```
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 6
MariaDB [db_sinaukoding22]> create table tb_anggota
-> (id int(3) not null primary key,
-> nama_anggota varchar(256),
-> jenis_kelamin varchar(256),
-> alamat varchar(256),
-> telp varchar(20));
Query OK, 0 rows affected (1.171 sec)

MariaDB [db_sinaukoding22]>
```

Gambar 5 membuat table anggota

```
MariaDB [db_sinaukoding22]> desc tb_anggota;
```

Field	Type	Null	Key	Default	Extra
id	int(3)	NO	PRI	NULL	
nama_anggota	varchar(256)	YES		NULL	
jenis_kelamin	varchar(256)	YES		NULL	
alamat	varchar(256)	YES		NULL	
telp	varchar(20)	YES		NULL	

```
5 rows in set (0.011 sec)
```

Gambar 6 melihat table anggota yang tadi dibuat

```
MariaDB [db_sinaukoding22]> alter table tb_petugas add foreign key(user_id) references tb_user(id_user);
Query OK, 0 rows affected (0.980 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [db_sinaukoding22]> dsec tb_petugas;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version
right syntax to use near 'dsec tb_petugas' at line 1
MariaDB [db_sinaukoding22]> desc tb_petugas;
```

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NULL	
nama_petugas	varchar(255)	NO		NULL	
telp	varchar(256)	NO		NULL	
alamat	tinytext	YES		NULL	
user_id	int(3)	YES	MUL	NULL	

```
5 rows in set (0.010 sec)
```

Gambar 7 penambahan field pada table petugas dan menjadikan foreign key

```
Command Prompt - mysql -u root -p
MariaDB [db_sinaukoding22]> create table tb_pengarang
-> (id int not null primary key,
-> nama varchar(256) not null,
-> alamat varchar(255) not null,
-> telp varchar(15) not null);
Query OK, 0 rows affected (0.242 sec)

MariaDB [db_sinaukoding22]> desc tb_pengarang;
```

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NULL	
nama	varchar(256)	NO		NULL	
alamat	varchar(255)	NO		NULL	
telp	varchar(15)	NO		NULL	

```
4 rows in set (0.115 sec)
```

Gambar 8 membuat table pengarang

```
MariaDB [db_sinaukoding22]> crate table tb_buku
-> (id int not null primary key,
-> judul varchar(256) not null,
-> tahun_terbit varchar(255) not null,
-> jumlah int,
-> isbn varchar(255) not null,
-> );
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB
right syntax to use near 'crate table tb_buku
(id int not null primary key,
judul varchar(256) not null...' at line 1
MariaDB [db_sinaukoding22]> create table tb_buku
-> (id int not null primary key,
-> judul varchar(256) not null,
-> tahun_terbit varchar(255) not null,
-> jumlah int,
-> isbn varchar(255) not null);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB
right syntax to use near 'create table tb_buku
(id int not null primary key,
judul varchar(256) not null...' at line 1
MariaDB [db_sinaukoding22]> create table tb_buku
-> (id int not null primary key,
-> judul varchar(256) not null,
-> tahun_terbit varchar(255) not null,
-> jumlah int,
-> isbn varchar(255) not null);
Query OK, 0 rows affected (0.302 sec)
```

Gambar 9 membuat table buku

```
MariaDB [db_sinaukoding22]> desc tb_buku;
```

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NULL	
judul	varchar(256)	NO		NULL	
tahun_terbit	varchar(255)	NO		NULL	
isbn	varchar(255)	NO		NULL	
jumlah	int(11)	NO		NULL	
pengarang_id	int(11)	YES	MUL	NULL	
penerbit_id	int(11)	YES	MUL	NULL	

```
7 rows in set (0.012 sec)
```

Gambar 10 melihat table buku

```

MariaDB [db_sinaukoding22]> create table tb_peminjaman_detail
-> (peminjaman_id int not null primary key);
Query OK, 0 rows affected (0.427 sec)

MariaDB [db_sinaukoding22]> alter table tb_pengembalian_detail
-> ;
Query OK, 0 rows affected (0.000 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [db_sinaukoding22]>
MariaDB [db_sinaukoding22]> show tables;
+-----+
| Tables_in_db_sinaukoding22 |
+-----+
| tb_anggota                  |
| tb_buku                     |
| tb_peminjaman              |
| tb_peminjaman_detail       |
| tb_penerbit                 |
| tb_penganang                |
| tb_pengembalian            |
| tb_pengembalian_detail     |
| tb_petugas                  |
| tb_user                     |
+-----+
10 rows in set (0.001 sec)

```

Gambar 11 membuat tb\_peminjaman\_detail