

Nama :Fikri Ranavian

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1. Menampilkan database

```
MariaDB [(none)]> create database Fikriranavian;  
Query OK, 1 row affected (0.402 sec)
```

- 2.Lanjut MariaDB untuk mengaktifkan database

```
MariaDB [Fikriranavian]> show databases;  
+-----+  
| Database |  
+-----+  
| fikriranavian |  
| information_schema |  
| mysql |  
+-----+
```

- 3.Lanjut pembuatan table (Anggota,Pinjam,Daftar Buku)

```
MariaDB [Fikriranavian]> create table Anggota(  
-> Kd_anggota varchar(15),  
-> Nama_anggota varchar(20),  
-> Alamat varchar(15));  
Query OK, 0 rows affected (0.348 sec)  
  
MariaDB [Fikriranavian]> create table Pinjam(  
-> Kd_anggota varchar(15),  
-> Judul_Buku varchar(30),  
-> Tgl_Pinjam varchar(15),  
-> Tgl_kembali integer(15),  
-> Denda integer(15));  
Query OK, 0 rows affected (0.547 sec)  
  
MariaDB [Fikriranavian]> create table DaftarBuku(  
-> KD_Buku varchar(10),  
-> judul_Buku varchar(30),  
-> Pengarang varchar(25),  
-> Jumlah integer(5));  
Query OK, 0 rows affected (0.743 sec)  
  
MariaDB [Fikriranavian]> show tables;  
+-----+  
| Tables_in_fikriranavian |  
+-----+  
| anggota |  
| daftarbuku |  
| pinjam |  
+-----+  
3 rows in set (0.002 sec)
```

4. ALTER TABLE nama_table ADD Column field "Daftar buku"

```
MariaDB [Fikriranavian]> alter table pinjam change judul_buku
-> judul varchar(30);
Query OK, 0 rows affected (0.267 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Fikriranavian]> alter table Buku change judul_buku
-> judul varchar(30);
Query OK, 0 rows affected (0.712 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Fikriranavian]> desc pinjam;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Kd_anggota | varchar(15) | YES | | NULL | |
| judul | varchar(30) | YES | | NULL | |
| Tgl_Pinjam | varchar(15) | YES | | NULL | |
| Tgl_kembali | int(15) | YES | | NULL | |
| Denda | int(15) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.195 sec)

MariaDB [Fikriranavian]> desc buku;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| KD_Buku | varchar(10) | YES | | NULL | |
| judul | varchar(30) | YES | | NULL | |
| Pengarang | varchar(25) | YES | | NULL | |
| Jumlah | int(5) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.123 sec)
```

5. ALTER TABLE Judul_buku change new_judul

```
MariaDB [Fikriranavian]> alter table pinjam change judul_buku
-> judul varchar(30);
Query OK, 0 rows affected (0.267 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Fikriranavian]> alter table Buku change judul_buku
-> judul varchar(30);
Query OK, 0 rows affected (0.712 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Fikriranavian]> desc pinjam;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Kd_anggota | varchar(15) | YES  |     | NULL    |      |
| judul      | varchar(30) | YES  |     | NULL    |      |
| Tgl_Pinjam | varchar(15) | YES  |     | NULL    |      |
| Tgl_kembali | int(15)    | YES  |     | NULL    |      |
| Denda      | int(15)    | YES  |     | NULL    |      |
+-----+-----+-----+-----+-----+
5 rows in set (0.195 sec)

MariaDB [Fikriranavian]> desc buku;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| KD_Buku    | varchar(10) | YES  |     | NULL    |      |
| judul      | varchar(30) | YES  |     | NULL    |      |
| Pengarang  | varchar(25) | YES  |     | NULL    |      |
| Jumlah     | int(5)     | YES  |     | NULL    |      |
+-----+-----+-----+-----+-----+
4 rows in set (0.123 sec)
```

6. ALTER TABLE Kd_Buku ADD Column field Kd_anggota

```
MariaDB [Fikriranavian]> alter table pinjam add column Kd_buku varchar(10)
-> after Kd_Anggota;
Query OK, 0 rows affected (0.270 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

7. CREATE TABLE Kd_Anggota (Kd_anggota);

```
MariaDB [Fikriranavian]> alter table anggota add primary key (Kd_Anggota);
Query OK, 0 rows affected (1.315 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Fikriranavian]> alter table buku add primary key (Kd_Buku);
Query OK, 0 rows affected (1.451 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Fikriranavian]> desc anggota;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Kd_anggota | varchar(15) | NO | PRI | NULL |  |
| Nama_anggota | varchar(20) | YES |  | NULL |  |
| Alamat | varchar(15) | YES |  | NULL |  |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.147 sec)

MariaDB [Fikriranavian]> desc buku;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| KD_Buku | varchar(10) | NO | PRI | NULL |  |
| judul | varchar(30) | YES |  | NULL |  |
| Pengarang | varchar(25) | YES |  | NULL |  |
| Jumlah | int(5) | YES |  | NULL |  |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.149 sec)
```

8. ALTER TABLE Nama ADD column Judul(40);

```
MariaDB [Fikriranavian]> alter table buku add column penerbit varchar(10)
-> after pengarang;
Query OK, 0 rows affected (0.331 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Fikriranavian]> desc buku;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| KD_Buku | varchar(10) | NO | PRI | NULL |  |
| judul | varchar(40) | YES |  | NULL |  |
| Pengarang | varchar(25) | YES |  | NULL |  |
| penerbit | varchar(10) | YES |  | NULL |  |
| Jumlah | int(5) | YES |  | NULL |  |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.048 sec)
```

9. ALTER TABLE "Penerbit" ADD column Pengarang varchar

```
MariaDB [FikriNavian] > alter table buku add column penerbit varchar(10)
-> after pengarang;
Query OK, 0 rows affected (0.331 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [FikriNavian] > desc buku;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| KD_Buku    | varchar(10)   | NO   | PRI | NULL    |       |
| judul      | varchar(40)   | YES  |     | NULL    |       |
| Pengarang  | varchar(25)   | YES  |     | NULL    |       |
| penerbit   | varchar(10)   | YES  |     | NULL    |       |
| Jumlah     | int(5)        | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.048 sec)
```

10. input data dan Tampilkan

```
MariaDB [FikriNavian] > insert buku values
-> ("BK001", "Algoritma dan Pemrograman Menggunakan java", "abdul Kadir", "andi Offset", "23");
Query OK, 1 row affected, 2 warnings (0.205 sec)

MariaDB [FikriNavian] > insert buku values
-> ("BK002", "Kriptografi Untuk Keamanan Jaringan", "Rifki Sadikin", "andi Offset", "15");
Query OK, 1 row affected, 1 warning (0.680 sec)

MariaDB [FikriNavian] > insert buku values
-> ("BK003", "Seluk Beluk Database Relasional (Edisi Kedua)", "Mark Whitehorn dan Bill marklyn", "Erlangga", "12");
Query OK, 1 row affected, 2 warnings (0.161 sec)

MariaDB [FikriNavian] > select * from buku;
+-----+-----+-----+-----+-----+
| KD_Buku | judul                                             | Pengarang          | penerbit | Jumlah |
+-----+-----+-----+-----+-----+
| BK001   | Algoritma dan Pemrograman Menggunakan jav      | abdul Kadir       | andi Offse | 23 |
| BK002   | Kriptografi Untuk Keamanan Jaringan             | Rifki Sadikin      | andi Offse | 15 |
| BK003   | Seluk Beluk Database Relasional (Edisi K       | Mark Whitehorn dan Bill m | Erlangga  | 12 |
+-----+-----+-----+-----+-----+
3 rows in set (0.047 sec)
```