

FUNDAMENTAL DBMS
ACTIVITY PERTEMUAN 2
(MySQL DATA DEFINITION LANGUAGE (DDL))
LEMBAR JAWABAN

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1. Buat database “BANK” dan lihat database tersebut Mysql>> CREATE DATABASE bank; (10 point)

```
MariaDB [(none)]> CREATE DATABASE BANK_50421119;
Query OK, 1 row affected (0.005 sec)

MariaDB [(none)]> SHOW DATABASES;
+-----+
| Database |
+-----+
| akademik |
| bank_50421119 |
| information_schema |
| mysql |
| performance_schema |
| phpmyadmin |
| test |
+-----+
7 rows in set (0.018 sec)
```

2. Buat Tabel Nasabah

```
7 rows in set (0.018 sec)

MariaDB [(none)]> CREATE TABLE NASABAH_50421119(No_rek VARCHAR(15) NOT NULL PRIMARY KEY, Nama Varchar(15), Alamat Varchar(20), Notelp Varchar(12), Tgl_lahir Varchar(12));
ERROR 1046 (3D000): No database selected
MariaDB [(none)]> USE BANK_50421119
Database changed
MariaDB [BANK_50421119]> CREATE TABLE NASABAH_50421119(No_rek VARCHAR(15) NOT NULL PRIMARY KEY, Nama Varchar(15), Alamat Varchar(20), Notelp Varchar(12), Tgl_lahir Varchar(12));
Query OK, 0 rows affected (0.066 sec)

MariaDB [BANK_50421119]> DESC NASABAH_50421119
->
-> DESC NASABAH_50421119
-> DESC NASABAH_50421119;
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 'DESC NASABAH_50421119' at line 3
MariaDB [BANK_50421119]> DESC NASABAH_50421119;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| No_rek | varchar(15) | NO | PRI | NULL | |
| Nama | varchar(15) | YES | | NULL | |
| Alamat | varchar(20) | YES | | NULL | |
| Notelp | varchar(12) | YES | | NULL | |
| Tgl_lahir | varchar(12) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.040 sec)

MariaDB [BANK_50421119]> SHOW TABLES;
+-----+
| Tables_in_bank_50421119 |
+-----+
| nasabah_50421119 |
+-----+
1 row in set (0.001 sec)

MariaDB [BANK_50421119]> _
```

3. Ganti nama tabel

```
mysql> ALTER TABLE NASABAH_BARU;
ERROR 1146 (42S02): Table 'bank1.nasabah_baru' doesn't exist
mysql> ALTER TABLE NASABAH RENAME TO NASABAH_BARU;
Query OK, 0 rows affected (0.01 sec)

mysql> ALTER TABLE NASABAH_BARU;
Query OK, 0 rows affected (0.00 sec)

mysql> DESC NASABAH_BARU;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| NO_REK | varchar(15) | NO | PRI | NULL | |
| NAMA | varchar(15) | YES | | NULL | |
| ALAMAT | varchar(15) | YES | | NULL | |
| NOTELP | varchar(12) | YES | | NULL | |
| TGL_LAHIR | varchar(12) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.02 sec)
```

4. Gantifield nama

```
mysql> ALTER TABLE NASABAH_BARU CHANGE COLUMN NAMA NAMA_NASABAH VARCHAR(15);
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> DESC NASABAH_BARU;
```

Field	Type	Null	Key	Default	Extra
NO_REK	varchar(15)	NO	PRI	NULL	
NAMA_NASABAH	varchar(15)	YES		NULL	
ALAMAT	varchar(15)	YES		NULL	
NOTELP	varchar(12)	YES		NULL	
TGL_LAHIR	varchar(12)	YES		NULL	

```
5 rows in set (0.01 sec)
```

5. Tambah tgl nasabah

```
mysql> ALTER TABLE NASABAH_BARU ADD TGL_NASABAH VARCHAR(15);
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> DESC NASABAH_BARU;
```

Field	Type	Null	Key	Default	Extra
NO_REK	varchar(15)	NO	PRI	NULL	
NAMA_NASABAH	varchar(15)	YES		NULL	
ALAMAT	varchar(15)	YES		NULL	
NOTELP	varchar(12)	YES		NULL	
TGL_LAHIR	varchar(12)	YES		NULL	
TGL_NASABAH	varchar(15)	YES		NULL	

```
6 rows in set (0.01 sec)
```

6. Ubah tgl nasabah jadi date

```
mysql> ALTER TABLE NASABAH_BARU MODIFY COLUMN TGL_NASABAH DATE;
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> DESC NASABAH_BARU;
```

Field	Type	Null	Key	Default	Extra
NO_REK	varchar(15)	NO	PRI	NULL	
NAMA_NASABAH	varchar(15)	YES		NULL	
ALAMAT	varchar(15)	YES		NULL	
NOTELP	varchar(12)	YES		NULL	
TGL_LAHIR	varchar(12)	YES		NULL	
TGL_NASABAH	date	YES		NULL	

```
6 rows in set (0.02 sec)
```

7. Hapus field tgl nasabah

8. Lihat field tgl nasabah baru

```
mysql> ALTER TABLE NASABAH_BARU DROP TGL_NASABAH;
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> DESC NASABAH_BARU;
```

Field	Type	Null	Key	Default	Extra
NO_REK	varchar(15)	NO	PRI	NULL	
NAMA_NASABAH	varchar(15)	YES		NULL	
ALAMAT	varchar(15)	YES		NULL	
NOTELP	varchar(12)	YES		NULL	
TGL_LAHIR	varchar(12)	YES		NULL	

```
5 rows in set (0.01 sec)

mysql> DESC NASABAH_BARU;
```