

NAMA : ASEP HENDRA
NIM : 311720883
KELAS : TI.17.D2

TUGAS PRAKTIKUM

1. Buat sebuah database dengan nama **Latihan1**
2. Buat sebuah tabel dengan nama **Biodata** dengan field nama dan alamat pada database latihan1
3. Tambahkan sebuah kolom **keterangan**(varchar 15), sebagai kolom terakhir
4. Tambahkan kolom **id** (int 11) diawal (sebai kolom pertama)
5. Sisipkan sebuah kolom dengan nama **phone** (varchar 15) setelah kolom alamat
6. Ubah kolom **id** menjadi char (11)
7. Ubah nama kolom **phone** menjadi **hp** (varchar 20)
8. Hapus kolom **keterangan** dari tabel
9. Ganti nama tabel menjadi **data_mahasiswa**
10. Ganti nama field **id** menjadi **nim**
11. Jadikan **nim** sebagai primary key

LANGKAH-LANGKAH Pengerjaan

A. cd/xampp/mysql/bin

Mysql -u root

1. Create Database Latihan1;
Show Databases;
Use latihan1;
2. Create table Biodata (
Nama varchar(30),
Alamat varchar(300));
3. Alter table Biodata Add column Keterangan varchar(15);
4. Alter table Biodata Add column Id int(11) first;
Describe Biodata; *
5. Alter table Biodata ADD COLUMN Phone varchar(15) after alamat;
6. Alter Table Biodata MODIFY Id char(11);
7. Alter Table Biodata Change Phone Hp varchar(20);
8. Alter Table Biodata Drop Keterangan;
Describe Biodata;

9. Rename Table Biodata to Data_Mahasiswa;
Describe data_mahasiswa;
10. Alter table Data_mahasiswa CHANGE id Nim char(11);
11. Alter table data_mahasiswa add primary key(Nim);

```
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Asep Hendra>cd/xampp/mysql/bin

C:\xampp\mysql\bin>mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 3
Server version: 10.1.32-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 latihan1;
Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| latihan1 |
| mysql |
| performance_schema |
| phpmyadmin |
| test |
+-----+
6 rows in set (0.00 sec)
```

```
Scroll C:\Windows\system32\cmd.exe - mysql -u root
MariaDB [(none)]> use latihan1;
Database changed
MariaDB [latihan1]> create table biodata(nama varchar(30),alamat varchar(300));
Query OK, 0 rows affected (0.17 sec)

MariaDB [latihan1]> alter table biodata add column keterangan varchar(15);
Query OK, 0 rows affected (0.19 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [latihan1]> alter table biodata add column id int(11)first;
Query OK, 0 rows affected (0.22 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [latihan1]> desc biodata;
+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| id    | int(11)       | YES  |     | NULL    |       |
| nama  | varchar(30)   | YES  |     | NULL    |       |
| alamat| varchar(300)  | YES  |     | NULL    |       |
| keterangan| varchar(15) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+
4 rows in set (0.04 sec)

MariaDB [latihan1]> alter table biodata add column phone varchar(15) after alamat;
Query OK, 0 rows affected (0.21 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
Scroll C:\Windows\system32\cmd.exe - mysql -u root
MariaDB [latihan1]> alter table biodata modify id char(11);
Query OK, 0 rows affected (0.21 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [latihan1]> alter table biodata change phone Hp varchar(20);
Query OK, 0 rows affected (0.18 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [latihan1]> alter table biodata drop keterangan;
Query OK, 0 rows affected (0.18 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [latihan1]> desc biodata;
+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| id    | char(11)      | YES  |     | NULL    |       |
| nama  | varchar(30)   | YES  |     | NULL    |       |
| alamat| varchar(300)  | YES  |     | NULL    |       |
| Hp    | varchar(20)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)

MariaDB [latihan1]> change database biodata to data_mahasiswa;
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 'dat
abase biodata to data_mahasiswa' at line 1
MariaDB [latihan1]> rename table biodata to data_mahasiswa;
Query OK, 0 rows affected (0.02 sec)
```

```
Scroll C:\Windows\system32\cmd.exe - mysql -u root
MariaDB [latihan1]> desc data_mahasiswa;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id     | char(11)       | YES  |     | NULL    |       |
| nama   | varchar(30)    | YES  |     | NULL    |       |
| alamat | varchar(300)   | YES  |     | NULL    |       |
| Hp     | varchar(20)    | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)

MariaDB [latihan1]> alter table data_mahasiswa change id nim char(11);
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [latihan1]> alter table data_mahasiswa add constrain nim primary key(nim
);
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 'nim
primary key(nim)' at line 1
MariaDB [latihan1]> alter table data_mahasiswa add primary key(nim);
Query OK, 0 rows affected (0.17 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [latihan1]> desc data_mahasiswa;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| nim    | char(11)       | NO   | PRI | NULL    |       |
| nama   | varchar(30)    | YES  |     | NULL    |       |
| alamat | varchar(300)   | YES  |     | NULL    |       |
| Hp     | varchar(20)    | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)
```