

# **TUGAS 1**

## **PRAKTIKUM SISTEM BASIS DATA**

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Disusun oleh :

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**FAKULTAS TEKNIK INFORMATIKA & KOMPUTER**  
**UNIVERSITAS INDRAPRASTA PGRI JAKARTA**  
**2020**

## Tugas 1 Praktikum Sistem Basis Data

Mahasiswa

| NPM          | Nama    | Alamat  |
|--------------|---------|---------|
| 201143500439 | Andi    | Jakarta |
| 201143500121 | Desi    | Bekasi  |
| 201143500234 | Endah   | Depok   |
| 201143500165 | Firdaus | Jakarta |
| 201143500228 | Gandi   | Depok   |
| 201143500326 | Hilda   | Bogor   |

Matakuliah

| KD_MK | Nama_MK                    | SKS |
|-------|----------------------------|-----|
| KK021 | Sistem Basis Data          | 2   |
| KD132 | Interaksi Manusia Komputer | 3   |
| KU122 | Ilmu Budaya Dasar          | 2   |

Nilai

| NPM          | KD_MK | UTS | UAS |
|--------------|-------|-----|-----|
| 201143500439 | KK021 | 60  | 75  |
| 201143500121 | KD123 | 70  | 90  |
| 201143500234 | KK021 | 50  | 40  |
| 201143500165 | KU122 | 90  | 80  |
| 201143500228 | KU122 | 75  | 75  |
| 201143500326 | KD123 | 80  | 0   |
| 201143500439 | KD123 | 40  | 30  |

### 1. Buatlah Database Tugas1

MariaDB[(none)]>create database Tugas1;

Perintah untuk membuat database Tugas1.

```
C:\WINDOWS\system32\cmd.exe - mysql -u root
C:\Users\lyus>cd C:/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: 10.1.33-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 Tugas1;
Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> use Tugas1;
Database changed
MariaDB [Tugas1]> create table Mahasiswa (NPM int(12),Nama varchar(30),Alamat varchar(40));
Query OK, 0 rows affected (0.04 sec)

MariaDB [Tugas1]> insert into Mahasiswa (NPM,Nama,Alamat) values (201143500439,"Andi","Jakarta"
-> ),(201143500121,"Desi","Bekasi"),(201143500234,"Endah","Depok");
Query OK, 3 rows affected, 3 warnings (0.00 sec)
Records: 3 Duplicates: 0 Warnings: 3

MariaDB [Tugas1]> insert into Mahasiswa (NPM,Nama,Alamat) values (201143500165,"Firdaus","Jakarta"),
-> (201143500228,"Gandi","Depok"),(201143500326,"Hilda","Bogor");
Query OK, 3 rows affected, 3 warnings (0.00 sec)
Records: 3 Duplicates: 0 Warnings: 3

MariaDB [Tugas1]>
```

### 2. Aktifkan database

MariaDB[(none)]> use Tugas1;

Perintah untuk mengaktifkan database Tugas1 dengan keterangan “MariaDB[Tugas1]” yang menandakan bahwa database Tugas1.

```
C:\WINDOWS\system32\cmd.exe - mysql -u root
C:\Users\yus>cd C:/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: 10.1.33-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 Tugas1;
Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> use Tugas1;
Database changed
MariaDB [Tugas1]> create table Mahasiswa (NPM int(12), Nama varchar(30), Alamat varchar(40));
Query OK, 0 rows affected (0.04 sec)

MariaDB [Tugas1]> insert into Mahasiswa (NPM, Nama, Alamat) values (201143500439, "Andi", "Jakarta
-> "); (201143500121, "Desi", "Bekasi"), (201143500234, "Endah", "Depok");
Query OK, 3 rows affected, 3 warnings (0.00 sec)
Records: 3 Duplicates: 0 Warnings: 3

MariaDB [Tugas1]> insert into Mahasiswa (NPM, Nama, Alamat) values (201143500165, "Firdaus", "Jakarta"),
-> (201143500228, "Gandi", "Depok"), (201143500326, "Hilda", "Bogor");
Query OK, 3 rows affected, 3 warnings (0.00 sec)
Records: 3 Duplicates: 0 Warnings: 3

MariaDB [Tugas1]>
```

### 3. Buatlah 3 buah tabel diatas

- MariaDB[Tugas1]> create table Mahasiswa(NPM int(12), Nama Varchar(30), Alamat Varchar(40));

Perintah untuk membuat table Mahasiswa di database Tugas1 dengan field NPM bertipe data integer 12 karakter, Nama bertipe data varchar 30 karakter, Alamat bertipe data varchar 40 karakter.

- MariaDB[Tugas1]> create table Matakuliah(KD\_MK varchar(5), Nama\_MK varchar (30), SKS int (1));

Perintah untuk membuat table Matakuliah di database Tugas1 dengan field KD\_MK bertipe data varchar 5 karakter, Nama\_MK bertipe data varchar 30 karakter, SKS bertipe data integer 1 karakter.

- MariaDB[Tugas1]> create table Nilai(NPM int(12), KD\_MK varchar(5), UTS int(2), UAS int(2));

Perintah untuk membuat table Nilai di database Tugas1 dengan field NPM bertipe data integer 12 karakter, KD\_MK bertipe data varchar 5 karakter, UTS bertipe data integer 2 karakter, UAS bertipe data integer 2 karakter.

```
C:\WINDOWS\system32\cmd.exe - mysql -u root
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 Tugas1;
Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> use Tugas1;
Database changed
MariaDB [Tugas1]> create table Mahasiswa (NPM int(12), Nama varchar(30), Alamat varchar(40));
Query OK, 0 rows affected (0.04 sec)

MariaDB [Tugas1]> insert into Mahasiswa (NPM, Nama, Alamat) values (201143500439, "Andi", "Jakarta
-> "); (201143500121, "Desi", "Bekasi"), (201143500234, "Endah", "Depok");
Query OK, 3 rows affected, 3 warnings (0.00 sec)
Records: 3 Duplicates: 0 Warnings: 3

MariaDB [Tugas1]> insert into Mahasiswa (NPM, Nama, Alamat) values (201143500165, "Firdaus", "Jakarta"),
-> (201143500228, "Gandi", "Depok"), (201143500326, "Hilda", "Bogor");
Query OK, 3 rows affected, 3 warnings (0.00 sec)
Records: 3 Duplicates: 0 Warnings: 3

MariaDB [Tugas1]> create table Matakuliah (KD_MK varchar(5), Nama_MK varchar(30), SKS INT(1));
Query OK, 0 rows affected (0.03 sec)

MariaDB [Tugas1]> create table Nilai (NPM int(12), KD_MK varchar(5), UTS int(2), UAS int(2));
Query OK, 0 rows affected (0.04 sec)

MariaDB [Tugas1]>
```

### 4. Tampilkan seluruh database

MariaDB[Tugas1]> show databases;

Perintah untuk menampilkan seluruh database.

```
C:\WINDOWS\system32\cmd.exe - mysql -u root
-> "),(201143500121,"Desi","Bekasi"),(201143500234,"Endah","Depok");
Query OK, 3 rows affected, 3 warnings (0.00 sec)
Records: 3 Duplicates: 0 Warnings: 3

MariaDB [Tugas1]> insert into Mahasiswa (NPM>Nama,Alamat) values (201143500165,"Firdaus","Jakarta"),
-> (201143500228,"Gandi","Depok"),(201143500326,"Hilda","Bogor");
Query OK, 3 rows affected, 3 warnings (0.00 sec)
Records: 3 Duplicates: 0 Warnings: 3

MariaDB [Tugas1]> create table Matakuliah (KD_MK varchar(5), Nama_MK varchar(30),SKS INT(1));
Query OK, 0 rows affected (0.03 sec)

MariaDB [Tugas1]> create table Nilai (NPM int(12),KD_MK varchar(5),UTS int(2),UAS int(2));
Query OK, 0 rows affected (0.04 sec)

MariaDB [Tugas1]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| iyus |
| mysql |
| performance_schema |
| phpmyadmin |
| test |
| tugas1 |
+-----+
7 rows in set (0.00 sec)

MariaDB [Tugas1]>
```

5. Tampilkan seluruh tabel

MariaDB[Tugas1]> show tables;

Perintah untuk menampilkan seluruh tabel dalam database Tugas1.

```
C:\WINDOWS\system32\cmd.exe - mysql -u root
Records: 3 Duplicates: 0 Warnings: 0

MariaDB [Tugas1]> DESC Nilai;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| NPM | int(12) | YES | | NULL | |
| KD_MK | varchar(5) | YES | | NULL | |
| UTS | int(2) | YES | | NULL | |
| UAS | int(2) | YES | | NULL | |
+-----+
4 rows in set (0.02 sec)

MariaDB [Tugas1]> insert into Nilai(NPM,KD_MK,UTS,UAS) VALUES (201143500439,"KK021",60,75),
-> (201143500121,"KD123",70,90),(201143500234,"KK021",50,40),(201143500165,"KU122",90,80),
-> (201143500228,"KU122",75,75),(201143500326,"KD123",80,0),(201143500439,"KD123",40,30);
Query OK, 7 rows affected, 7 warnings (0.00 sec)
Records: 7 Duplicates: 0 Warnings: 7

MariaDB [Tugas1]> SHOW TABLES;
+-----+
| Tables_in_tugas1 |
+-----+
| mahasiswa |
| matakuliah |
| nilai |
+-----+
3 rows in set (0.00 sec)

MariaDB [Tugas1]>
```

6. Tampilkan struktur tabel Matakuliah

MariaDB[Tugas1]> desc Matakuliah;

Perintah untuk menampilkan struktur tabel matakuliah.

```
C:\WINDOWS\system32\cmd.exe - mysql -u root

MariaDB [Tugas1]> DESC Matakuliah;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| KD_MK | varchar(5) | YES | | NULL | |
| Nama_MK | varchar(30) | YES | | NULL | |
| SKS | int(1) | YES | | NULL | |
+-----+
3 rows in set (0.02 sec)

MariaDB [Tugas1]> insert into Matakuliah(KD_MK>Nama_MK,SKS) VALUES ("KK012","Sistem Basis Data",2),
-> ("KD132","Interaksi Manusia Komputer",3),("KU122","Ilmu Budaya Dasar",2);
Query OK, 3 rows affected (0.00 sec)
Records: 3 Duplicates: 0 Warnings: 0

MariaDB [Tugas1]> DESC Nilai;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| NPM | int(12) | YES | | NULL | |
| KD_MK | varchar(5) | YES | | NULL | |
| UTS | int(2) | YES | | NULL | |
| UAS | int(2) | YES | | NULL | |
+-----+
4 rows in set (0.02 sec)

MariaDB [Tugas1]> insert into Nilai(NPM,KD_MK,UTS,UAS) VALUES (201143500439,"KK021",60,75),
-> (201143500121,"KD123",70,90),(201143500234,"KK021",50,40),(201143500165,"KU122",90,80),
-> (201143500228,"KU122",75,75),(201143500326,"KD123",80,0),(201143500439,"KD123",40,30);
```

7. Hapus tabel Matakuliah

MariaDB[Tugas1]>drop table Matakuliah;

Perintah untuk menghapus table matakuliah beserta isinya.

```
C:\WINDOWS\system32\cmd.exe - mysql -u root

MariaDB [Tugas1]> insert into Nilai(NPM,KD_MK,UTS,UAS) VALUES (201143500439,"KK021",60,75),
-> (201143500121,"KD123",70,90),(201143500234,"KK021",50,40),(201143500165,"KU122",90,80),
-> (201143500228,"KU122",75,75),(201143500326,"KD123",80,0),(201143500439,"KD123",40,30);
Query OK, 7 rows affected, 7 warnings (0.00 sec)
Records: 7 Duplicates: 0 Warnings: 7

MariaDB [Tugas1]> SHOW TABLES;
+-----+
| Tables_in_tugas1 |
+-----+
| mahasiswa        |
| matakuliah       |
| nilai            |
+-----+
3 rows in set (0.00 sec)

MariaDB [Tugas1]> DROP TABLE Matakuliah;
Query OK, 0 rows affected (0.02 sec)

MariaDB [Tugas1]> show tables;
+-----+
| Tables_in_tugas1 |
+-----+
| mahasiswa        |
| nilai            |
+-----+
2 rows in set (0.00 sec)

MariaDB [Tugas1]>
```

8. Buat tabel Matakuliah

MariaDB[Tugas1]> create table Matakuliah(KD\_MK varchar(5),Nama\_MK varchar (30), SKS varchar (1));

Perintah membuat tabel Matakuliah kembali dengan kolom/field KD\_MK bertipe data varchar 5 karakter, Nama\_MK bertipe data varchar 30 karakter, SKS bertipe data varchar 1 karakter.

```
C:\WINDOWS\system32\cmd.exe - mysql -u root

MariaDB [Tugas1]> show tables;
+-----+
| Tables_in_tugas1 |
+-----+
| mahasiswa        |
| nilai            |
+-----+
2 rows in set (0.00 sec)

MariaDB [Tugas1]> DROP TABLE Matakuliah;
Query OK, 0 rows affected (0.02 sec)

MariaDB [Tugas1]> show tables;
+-----+
| Tables_in_tugas1 |
+-----+
| mahasiswa        |
| nilai            |
+-----+
2 rows in set (0.00 sec)

MariaDB [Tugas1]> create table Matakuliah (KD_MK varchar(5), Nama_MK varchar(30),SKS varchar(1));
Query OK, 0 rows affected (0.04 sec)

MariaDB [Tugas1]> show tables;
+-----+
| Tables_in_tugas1 |
+-----+
| mahasiswa        |
| matakuliah       |
| nilai            |
+-----+
3 rows in set (0.00 sec)

MariaDB [Tugas1]>
```

9. Ganti tabel Matakuliah dengan MT\_Kuliah

MariaDB[Tugas1]> alter table MT\_Kuliah rename Matakuliah;

Perintah untuk mengganti nama tabel MT\_Kuliah menjadi Matakuliah dengan menggunakan perintah alter table nama tabel rename nama baru.

```

C:\WINDOWS\system32\cmd.exe - mysql -u root
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Tugas1]> desc Mahasiswa;
+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| NPM    | int(12)   | YES  |     | NULL    |       |
| Nama   | varchar(30) | YES  |     | NULL    |       |
| Tgl_lahir | date     | YES  |     | NULL    |       |
| Alamat | varchar(40) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)

MariaDB [Tugas1]> alter table MT_kuliah rename Matakuliah;
Query OK, 0 rows affected (0.02 sec)

MariaDB [Tugas1]> alter table Matakuliah rename MT_kuliah;
Query OK, 0 rows affected (0.01 sec)

MariaDB [Tugas1]> show tables;
+-----+
| Tables_in_tugas1 |
+-----+
| mahasiswa         |
| mt_kuliah         |
| nilai             |
+-----+
3 rows in set (0.00 sec)

MariaDB [Tugas1]>

```

10. Ganti nama field Nama\_MK dengan NM\_MK dan panjang field 30  
 MariaDB[Tugas1]> alter table MT\_Kuliah change Nama\_MK NM\_MK varchar(30);  
 Perintah untuk mengganti nama field Nama\_MK menjadi nama field NM\_MK bertipe varchar 30 karakter.

```

C:\WINDOWS\system32\cmd.exe - mysql -u root

+-----+
| Tables_in_tugas1 |
+-----+
| mahasiswa         |
| mt_kuliah         |
| nilai             |
+-----+
3 rows in set (0.00 sec)

MariaDB [Tugas1]> alter table MT_Kuliah change Nama_MK NM_MK varchar(30);
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Tugas1]> select *from MT_kuliah;
Empty set (0.00 sec)

MariaDB [Tugas1]> insert into MT_kuliah (KD_MK,NM_MK,SKS) VALUES ("KK021","Sistem Basis Data","2"),
-> ("KD132","Interaksi Manusia Komputer","3"),("KU122","Ilmu Budaya Dasar","2");
Query OK, 3 rows affected (0.00 sec)
Records: 3 Duplicates: 0 Warnings: 0

MariaDB [Tugas1]> select *from MT_kuliah;
+-----+-----+-----+
| KD_MK | NM_MK                | SKS |
+-----+-----+-----+
| KK021 | Sistem Basis Data    | 2   |
| KD132 | Interaksi Manusia Komputer | 3   |
| KU122 | Ilmu Budaya Dasar    | 2   |
+-----+-----+-----+
3 rows in set (0.00 sec)

```

11. Tambahkan kolom Tgl\_lahir pada tabel Mahasiswa  
 MariaDB[Tugas1]> alter table Mahasiswa add column Tgl\_lahir date;  
 Perintah untuk menambah field column Tgl\_lahir dengan tipe data date.

```

C:\WINDOWS\system32\cmd.exe - mysql -u root

+-----+-----+-----+-----+-----+
| SKS | varchar(1) | YES | | NULL | |
+-----+-----+-----+-----+-----+
3 rows in set (0.02 sec)

MariaDB [Tugas1]> desc Mahasiswa;
+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| NPM    | int(12)   | YES  |     | NULL    |       |
| Nama   | varchar(30) | YES  |     | NULL    |       |
| Alamat | varchar(40) | YES  |     | NULL    |       |
| Tgl_lahir | date     | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)

MariaDB [Tugas1]>

```

12. Hapus kolom Tgl\_lahir

MariaDB[Tugas1]> alter table Mahasiswa drop Tgl\_lahir;  
Perintah untuk menghapus kolom Tgl\_lahir di tabel Mahasiswa.

```
C:\WINDOWS\system32\cmd.exe - mysql -u root
MariaDB [Tugas1]> alter table Mahasiswa drop Tgl_lahir;
Query OK, 0 rows affected (0.06 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Tugas1]> desc Mahasiswa;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| NPM    | int(12) | YES |     | NULL    |       |
| Nama   | varchar(30) | YES |     | NULL    |       |
| Alamat | varchar(40) | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)

MariaDB [Tugas1]> alter table Mahasiswa add Tgl_lahir date first;
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Tugas1]> desc Mahasiswa;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Tgl_lahir | date | YES |     | NULL    |       |
| NPM      | int(12) | YES |     | NULL    |       |
| Nama     | varchar(30) | YES |     | NULL    |       |
| Alamat   | varchar(40) | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)

MariaDB [Tugas1]>
```

13. Tambahkan kolom Tgl\_Lahir pada tabel Mahasiswa pada awal field  
MariaDB[Tugas1]> alter table Mahasiswa add Tgl\_lahir date first;  
Perintah untuk menambah field Tgl\_lahir dengan tipe date dan disimpan dengan action first untuk ditempatkan di awal field.

```
C:\WINDOWS\system32\cmd.exe - mysql -u root
MariaDB [Tugas1]> alter table Mahasiswa drop Tgl_lahir;
Query OK, 0 rows affected (0.06 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Tugas1]> desc Mahasiswa;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| NPM    | int(12) | YES |     | NULL    |       |
| Nama   | varchar(30) | YES |     | NULL    |       |
| Alamat | varchar(40) | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)

MariaDB [Tugas1]> alter table Mahasiswa add Tgl_lahir date first;
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Tugas1]> desc Mahasiswa;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Tgl_lahir | date | YES |     | NULL    |       |
| NPM      | int(12) | YES |     | NULL    |       |
| Nama     | varchar(30) | YES |     | NULL    |       |
| Alamat   | varchar(40) | YES |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)

MariaDB [Tugas1]>
```

14. Hapus kolom Tgl\_Lahir  
MariaDB[Tugas1]> alter table Mahasiswa drop Tgl\_lahir;  
Perintah untuk menghapus field Tgl\_lahir di tabel Mahasiswa.

```
C:\WINDOWS\system32\cmd.exe - mysql -u root

+----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+----+-----+-----+-----+-----+-----+
| Tgl_lahir | date | YES | | NULL | |
| NPM | int(12) | YES | | NULL | |
| Nama | varchar(30) | YES | | NULL | |
| Alamat | varchar(40) | YES | | NULL | |
+----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)

MariaDB [Tugas1]> alter table Mahasiswa drop Tgl_lahir;
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Tugas1]> alter table Mahasiswa add column Tgl_lahir date after Nama;
Query OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Tugas1]> desc Mahasiswa;

+----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+----+-----+-----+-----+-----+-----+
| NPM | int(12) | YES | | NULL | |
| Nama | varchar(30) | YES | | NULL | |
| Tgl_lahir | date | YES | | NULL | |
| Alamat | varchar(40) | YES | | NULL | |
+----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)

MariaDB [Tugas1]>
```

15. Tambahkan kolom Tgl\_Lahir pada tabel Mahasiswa setelah kolom nama  
MariaDB[Tugas1]> alter table Mahasiswa add column Tgl\_lahir date after Nama;  
Perintah untuk menambah kembali field Tgl\_lahir pada tabel mahasiswa setelah field nama.

```
C:\WINDOWS\system32\cmd.exe - mysql -u root

+----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+----+-----+-----+-----+-----+-----+
| Tgl_lahir | date | YES | | NULL | |
| NPM | int(12) | YES | | NULL | |
| Nama | varchar(30) | YES | | NULL | |
| Alamat | varchar(40) | YES | | NULL | |
+----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)

MariaDB [Tugas1]> alter table Mahasiswa drop Tgl_lahir;
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Tugas1]> alter table Mahasiswa add column Tgl_lahir date after Nama;
Query OK, 0 rows affected (0.05 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Tugas1]> desc Mahasiswa;

+----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+----+-----+-----+-----+-----+-----+
| NPM | int(12) | YES | | NULL | |
| Nama | varchar(30) | YES | | NULL | |
| Tgl_lahir | date | YES | | NULL | |
| Alamat | varchar(40) | YES | | NULL | |
+----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)

MariaDB [Tugas1]>
```