Nama   : Alfianto Andy P

NIM   : L200180194

MODUL 4 Tugas

```
C:\WINDOWS\system32>cd c:\xampp\mysql\bin

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 64
Server version: 10.4.6-MariaDB mariadb.org binary distribution

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use kuliah
Database changed
MariaDB [kuliah]> create table dosen(id_d integer primary key,
    -> nama_d varchar(45) ,
    -> alamat_d varchar(255) ,
    -> no_tlpd integer ,
    -> email_d varchar(45));
Query OK, 0 rows affected (0.366 sec)

MariaDB [kuliah]> create table ruang_kelas(no_rk integer primary key,
    -> kapasitas integer not null,
    -> gedung varchar(25),
    -> kelas integer,
    -> id_dfk integer references dosen(id_d)
    -> on delete cascade on update cascade);
Query OK, 0 rows affected (0.238 sec)

MariaDB [kuliah]> create table mahasiswa(nim integer primary key,
    -> nama_m varchar(45),
    -> alamat_m varchar(255),
    -> no_tlpm integer ,
    -> email_m varchar(45),
    -> no_rkfk integer references ruang_kelas(no_rk)
    -> on delete cascade on update cascade,
    -> id_dfk integer references dosen(id_d)
    -> on delete cascade on update cascade);
Query OK, 0 rows affected (0.332 sec)

MariaDB [kuliah]> create table mata_kuliah(no_mk integer primary key,
    -> nama_mk varchar(45),
    -> no_rkfk integer references ruang_kelas(no_rk)
```

```
    -> nama_mk varchar(45),
    -> no_rkfk integer references ruang_kelas(no_rk)
    -> on delete cascade on update cascade,
    -> id_dfk integer references dosen(id_d)
    -> on delete cascade on update cascade);
Query OK, 0 rows affected (0.399 sec)

MariaDB [kuliah]> show tables;
+------------------+
| Tables_in_kuliah |
+------------------+
| dosen            |
| mahasiswa        |
| mata_kuliah      |
| ruang_kelas      |
+------------------+
4 rows in set (0.001 sec)

MariaDB [kuliah]> describe dosen;
+----------+--------------+------+-----+---------+-------+
| Field    | Type         | Null | Key | Default | Extra |
+----------+--------------+------+-----+---------+-------+
| id_d     | int(11)      | NO   | PRI | NULL    |       |
| nama_d   | varchar(45)  | YES  |     | NULL    |       |
| alamat_d | varchar(255) | YES  |     | NULL    |       |
| no_tlpd  | int(11)      | YES  |     | NULL    |       |
| email_d  | varchar(45)  | YES  |     | NULL    |       |
+----------+--------------+------+-----+---------+-------+
5 rows in set (0.140 sec)

MariaDB [kuliah]> describe mahasiswa;
+----------+--------------+------+-----+---------+-------+
| Field    | Type         | Null | Key | Default | Extra |
+----------+--------------+------+-----+---------+-------+
| nim      | int(11)      | NO   | PRI | NULL    |       |
| nama_m   | varchar(45)  | YES  |     | NULL    |       |
| alamat_m | varchar(255) | YES  |     | NULL    |       |
| no_tlpm  | int(11)      | YES  |     | NULL    |       |
| email_m  | varchar(45)  | YES  |     | NULL    |       |
| no_rkfk  | int(11)      | YES  |     | NULL    |       |
| id_dfk   | int(11)      | YES  |     | NULL    |       |
+----------+--------------+------+-----+---------+-------+
7 rows in set (0.039 sec)

MariaDB [kuliah]> describe mata_kuliah;
+----------+--------------+------+-----+---------+-------+
```

```
MariaDB [kuliah]> describe mata_kuliah;
+---------+-------------+------+-----+---------+-------+
| Field   | Type        | Null | Key | Default | Extra |
+---------+-------------+------+-----+---------+-------+
| no_mk   | int(11)     | NO   | PRI | NULL    |       |
| nama_mk | varchar(45) | YES  |     | NULL    |       |
| no_rkfk | int(11)     | YES  |     | NULL    |       |
| id_dfk  | int(11)     | YES  |     | NULL    |       |
+---------+-------------+------+-----+---------+-------+
4 rows in set (0.040 sec)

MariaDB [kuliah]> describe ruang_kelas;
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| no_rk     | int(11)     | NO   | PRI | NULL    |       |
| kapasitas | int(11)     | NO   |     | NULL    |       |
| gedung    | varchar(25) | YES  |     | NULL    |       |
| kelas     | int(11)     | YES  |     | NULL    |       |
| id_dfk    | int(11)     | YES  |     | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
5 rows in set (0.039 sec)

MariaDB [kuliah]>
```