**DATABASE SYSTEM**
**PRACTICUM REPORT**
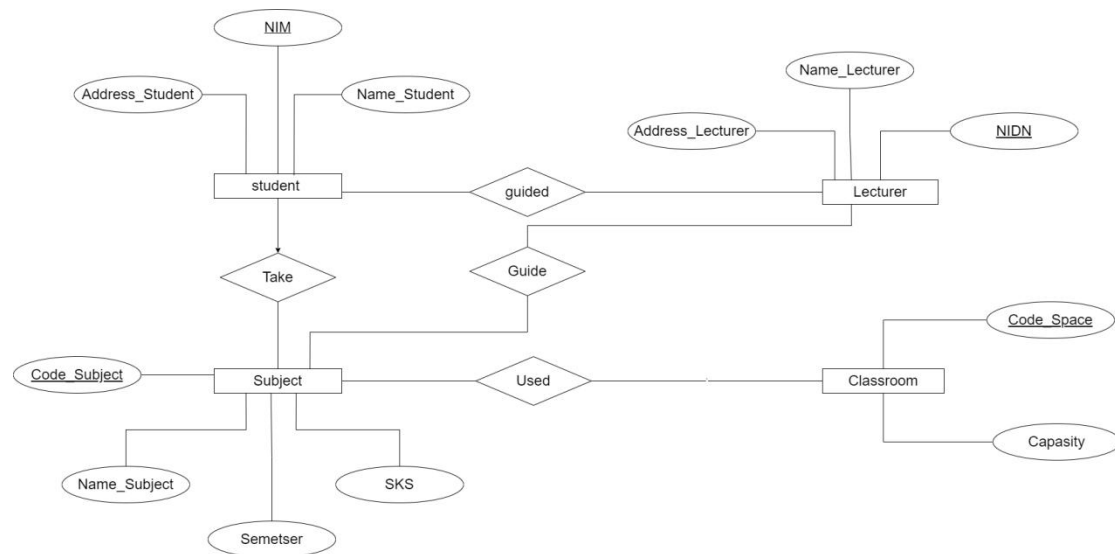**MODULE 4**
**DATA DEFINITION LANGUAGE**



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Data in module 2 :



Open Cmd login MySQL



```
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 14
Server version: 10.4.27-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)]> show databases
    ->
    -> ;
+--------------------+
| Database           |
+--------------------+
| informatika        |
| information_schema |
| mysql              |
| perbankan          |
| performance_schema |
| phpmyadmin         |
| test               |
+--------------------+
7 rows in set (0.003 sec)
```

Create data base Kuliah

```
MariaDB [(none)]> create database kuliah;
Query OK, 1 row affected (0.002 sec)

MariaDB [(none)]> use kuliah;
```

Use data base

```
MariaDB [(none)]> use kuliah;
Database changed
```

Create Table Mahasiswa

```
MariaDB [kuliah]> CREATE TABLE Mahasiswa (
    -> nim INTEGER PRIMARY KEY
    -> ,
    -> name_Student  VARCHAR(45) NOT NULL,
    -> Address_Student VARCHAR(255) NOT NULL
    -> );
Query OK, 0 rows affected (0.023 sec)
```

Create Table Lecturer

```
MariaDB [kuliah]> CREATE TABLE Lecturer (
    -> NIDN INTEGER PRIMARY KEY,
    -> name_Lecturer VARCHAR(45) NOT NULL,
    -> Address_Lecturer VARCHAR(255) NOT NULL
    -> );
Query OK, 0 rows affected (0.026 sec)
```

Create Table Classroom

```
MariaDB [kuliah]> CREATE TABLE Classroom (
    -> Code_Space INTEGER PRIMARY KEY,
    -> Capasite VARCHAR (45)
    -> );
Query OK, 0 rows affected (0.031 sec)
```

Create Table Subject

```
MariaDB [kuliah]> CREATE TABLE Subject (
    -> Code_Subject INTEGER PRIMARY KEY,
    -> Name_Subject VARCHAR(45),
    -> Semester VARCHAR(45),
    -> SKS VARCHAR(225)
    -> );
Query OK, 0 rows affected (0.026 sec)
```

Table Mahasiswa

```
MariaDB [kuliah]> describe mahasiswa;
+-----------------+--------------+------+-----+---------+-------+
| Field           | Type         | Null | Key | Default | Extra |
+-----------------+--------------+------+-----+---------+-------+
| nim             | int(11)      | NO   | PRI | NULL    |       |
| name_Student    | varchar(45)  | NO   |     | NULL    |       |
| Address_Student | varchar(255) | NO   |     | NULL    |       |
+-----------------+--------------+------+-----+---------+-------+
3 rows in set (0.007 sec)
```

Table Lecturer

```
MariaDB [kuliah]> describe lecturer;
+------------------+--------------+------+-----+---------+-------+
| Field            | Type         | Null | Key | Default | Extra |
+------------------+--------------+------+-----+---------+-------+
| NIDN             | int(11)      | NO   | PRI | NULL    |       |
| name_Lecturer    | varchar(45)  | NO   |     | NULL    |       |
| Address_Lecturer | varchar(255) | NO   |     | NULL    |       |
+------------------+--------------+------+-----+---------+-------+
3 rows in set (0.007 sec)
```

Table Classroom

```
MariaDB [kuliah]> describe classroom;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| Code_Space | int(11)     | NO   | PRI | NULL    |       |
| Capasite   | varchar(45) | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
2 rows in set (0.008 sec)
```

Table Subject

```
MariaDB [kuliah]> describe subject ;
+--------------+--------------+------+-----+---------+-------+
| Field        | Type         | Null | Key | Default | Extra |
+--------------+--------------+------+-----+---------+-------+
| Code_Subject | int(11)      | NO   | PRI | NULL    |       |
| Name_Subject | varchar(45)  | YES  |     | NULL    |       |
| Semester     | varchar(45)  | YES  |     | NULL    |       |
| SKS          | varchar(225) | YES  |     | NULL    |       |
+--------------+--------------+------+-----+---------+-------+
4 rows in set (0.007 sec)

MariaDB [kuliah]>
```