

Nama : Muhammad Agung Febriyanto

NPM : 2021 4350 2349

Kelas : R45

Mata Kuliah : Praktikum Sistem Basis Data (Pertemuan 4)

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```
C:\Windows\system32\cmd.e x + v
C:\Users\NurAgung>cd\
C:\>cd xampp\mysql\bin
C:\xampp\mysql\bin>mysql -u root
'msql' is not recognized as an internal or external command,
operable program or batch file.
C:\xampp\mysql\bin>mysql -u root
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 37
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 |
+-----+
| coba |
| information_schema |
| mysql |
| performance_schema |
| phpmyadmin |
| test |
+-----+
6 rows in set (0.001 sec)
MariaDB [(none)]> create database magungf_2349;
Query OK, 1 row affected (0.002 sec)
MariaDB [(none)]> use magungf_2349;
Database changed
MariaDB [magungf_2349]> create table agung_2349_mhs(
-> NPM bigint(12) primary key not null,
-> Nama_Mahasiswa varchar(30) not null,
-> Domisili varchar(15) not null,
-> Jenis_kelamin enum('L','P') not null,
-> Tanggal_Lahir date not null);
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 '(30) not null,
Domisili varchar(15) not null,
Jenis_kelamin enum('L','P') not...' at line 3
MariaDB [magungf_2349]> create table agung_2349_mhs(
-> NPM bigint(12) primary key not null,
-> Nama_Mahasiswa varchar(30) not null,
-> Domisili varchar(15) not null,
-> Jenis_kelamin enum('L','P') not null,
-> Tanggal_Lahir date not null);
Query OK, 0 rows affected (0.252 sec)
MariaDB [magungf_2349]> desc agung_2349_mhs;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| NPM | bigint(12) | NO | PRI | NULL | |
| Nama_Mahasiswa | varchar(30) | NO | | NULL | |
| Domisili | varchar(15) | NO | | NULL | |
| Jenis_kelamin | enum('L','P') | NO | | NULL | |
| Tanggal_Lahir | date | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.012 sec)
MariaDB [magungf_2349]> INSERT INTO agung_2349_mhs VALUES
-> ('202143502349','Muhammad Agung Febriyanto','Jakarta','L','2003-02-05');
Query OK, 1 row affected (0.069 sec)
```

```
C:\Windows\system32\cmd.exe
MariaDB [magungf_2349]> INSERT INTO agung_2349_mhs VALUES
-> ('202143502349','Muhammad Agung Febriyanto','Jakarta','L','2003-02-05');
Query OK, 1 row affected (0.069 sec)

MariaDB [magungf_2349]> select*from agung_2349_mhs;
+-----+-----+-----+-----+-----+
| NPM      | Nama_Mahasiswa      | Domisili | Jenis_Kelamin | Tanggal_Lahir |
+-----+-----+-----+-----+-----+
| 202143502349 | Muhammad Agung Febriyanto | Jakarta | L              | 2003-02-05     |
+-----+-----+-----+-----+-----+
1 row in set (0.001 sec)

MariaDB [magungf_2349]> INSERT INTO agung_2349_mhs VALUES
-> ('202243500121','Desi Maryani','Bekasi','P','1991-08-24'),
-> ('202243500165','Firdaus','Jakarta','L','1991-05-18'),
-> ('202243500228','Gandi','Depok','L','1991-07-10'),
-> ('202243500234','Endah Haryati','Depok','P','1991-05-15'),
-> ('202243500326','Hilda','Bogor','P','1991-02-08'),
-> ('202243500439','Andi','Jakarta','L','1991-06-12'),
-> ('202243500693','Riswandi','Bekasi','L','1990-10-08'),
-> ('202243500694','Indar Hari','Bogor','L','1990-12-30');
Query OK, 8 rows affected (0.086 sec)
Records: 8 Duplicates: 0 Warnings: 0

MariaDB [magungf_2349]> select*from agung_2349_mhs;
+-----+-----+-----+-----+-----+
| NPM      | Nama_Mahasiswa      | Domisili | Jenis_Kelamin | Tanggal_Lahir |
+-----+-----+-----+-----+-----+
| 202143502349 | Muhammad Agung Febriyanto | Jakarta | L              | 2003-02-05     |
| 202243500121 | Desi Maryani              | Bekasi  | P              | 1991-08-24     |
| 202243500165 | Firdaus                   | Jakarta | L              | 1991-05-18     |
| 202243500228 | Gandi                     | Depok   | L              | 1991-07-10     |
| 202243500234 | Endah Haryati             | Depok   | P              | 1991-05-15     |
| 202243500326 | Hilda                     | Bogor   | P              | 1991-02-08     |
| 202243500439 | Andi                      | Jakarta | L              | 1991-06-12     |
| 202243500693 | Riswandi                  | Bekasi  | L              | 1990-10-08     |
| 202243500694 | Indar Hari                | Bogor   | L              | 1990-12-30     |
+-----+-----+-----+-----+-----+
9 rows in set (0.051 sec)

MariaDB [magungf_2349]> create table agung_2349_mk(
-> ;
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 '' at line 1
MariaDB [magungf_2349]> create table agung_2349_mk;
ERROR 1113 (42000): A table must have at least 1 column
MariaDB [magungf_2349]> create table agung_2349_mk(
-> KD_MK varchar(5) primary key not null,
-> Nama_Matakuliah(30) not null,
-> ;
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 '(30) not null,' at line 3
MariaDB [magungf_2349]> create table agung_2349_mk(
-> KD_MK varchar(5) primary key not null,
-> Nama_Matakuliah varchar(30) not null,
-> SKS int(2) not null);
Query OK, 0 rows affected (0.276 sec)

MariaDB [magungf_2349]> show tables;
+-----+
| Tables_in_magungf_2349 |
+-----+
| agung_2349_mhs         |
| agung_2349_mk          |
+-----+
2 rows in set (0.001 sec)

MariaDB [magungf_2349]> insert into agung_2349_mk values
-> ('KD123','Interaksi Manusia & Komputer','3'),
-> ('KK020','Praktikum Sistem Basis Data','1'),
-> ('KK021','Sistem Basis Data','2'),
-> ('KK034','Manajemen Proyek','3'),
-> ('KK077','Metode Numerik','3'),
-> ('KU077','Ilmu Budaya Dasar','2');
Query OK, 6 rows affected (0.153 sec)
Records: 6 Duplicates: 0 Warnings: 0

MariaDB [magungf_2349]> select*from agung_2349_mk;
+-----+-----+-----+
| KD_MK | Nama_Matakuliah      | SKS |
+-----+-----+-----+
| KD123 | Interaksi Manusia & Komputer | 3   |
| KK020 | Praktikum Sistem Basis Data | 1   |
| KK021 | Sistem Basis Data          | 2   |
| KK034 | Manajemen Proyek           | 3   |
| KK077 | Metode Numerik              | 3   |
| KU077 | Ilmu Budaya Dasar           | 2   |
+-----+-----+-----+
6 rows in set (0.001 sec)
```

```
C:\Windows\system32\cmd.exe
MariaDB [magungf_2349]> show tables;
+-----+
| Tables_in_magungf_2349 |
+-----+
| agung_2349_mhs          |
| agung_2349_mk           |
+-----+
2 rows in set (0.001 sec)

MariaDB [magungf_2349]> select*from agung_2349_mhs;
+-----+-----+-----+-----+-----+
| NPM      | Nama_Mahasiswa      | Domisili | Jenis_Kelamin | Tanggal_Lahir |
+-----+-----+-----+-----+-----+
| 202143502349 | Muhammad Agung Febriyanto | Jakarta | L              | 2003-02-05     |
| 202243500121 | Desi Maryani          | Bekasi  | P              | 1991-08-24     |
| 202243500165 | Firdaus                | Jakarta | L              | 1991-05-18     |
| 202243500228 | Gandi                  | Depok  | L              | 1991-07-10     |
| 202243500234 | Endah Haryati          | Depok  | P              | 1991-05-15     |
| 202243500326 | Hilda                  | Bogor  | P              | 1991-02-08     |
| 202243500439 | Andi                   | Jakarta | L              | 1991-06-12     |
| 202243500693 | Riswandi               | Bekasi  | L              | 1990-10-08     |
| 202243500694 | Indar Hari             | Bogor  | L              | 1990-12-30     |
+-----+-----+-----+-----+-----+
9 rows in set (0.001 sec)

MariaDB [magungf_2349]> select*from agung_2349_mk;
+-----+-----+-----+
| KD_MK | Nama_MataKuliah      | SKS |
+-----+-----+-----+
| KD123 | Interaksi Manusia & Komputer | 3   |
| KK020 | Praktikum Sistem Basis Data | 1   |
| KK021 | Sistem Basis Data          | 2   |
| KK034 | Manajemen Proyek          | 3   |
| KK077 | Metode Numerik             | 3   |
| KU077 | Ilmu Budaya Dasar          | 2   |
+-----+-----+-----+
6 rows in set (0.000 sec)

MariaDB [magungf_2349]> SELECT*FROM agung_2349_mhs WHERE Jenis_Kelamin ='P';
+-----+-----+-----+-----+-----+
| NPM      | Nama_Mahasiswa      | Domisili | Jenis_Kelamin | Tanggal_Lahir |
+-----+-----+-----+-----+-----+
| 202243500121 | Desi Maryani          | Bekasi  | P              | 1991-08-24     |
| 202243500234 | Endah Haryati          | Depok  | P              | 1991-05-15     |
| 202243500326 | Hilda                  | Bogor  | P              | 1991-02-08     |
+-----+-----+-----+-----+-----+
3 rows in set (0.001 sec)

MariaDB [magungf_2349]> SELECT*FROM agung_2349_mk WHERE Nama_MataKuliah LIKE "%kk%";
+-----+-----+-----+
| KD_MK | Nama_MataKuliah      | SKS |
+-----+-----+-----+
| KD123 | Interaksi Manusia & Komputer | 3   |
| KK020 | Praktikum Sistem Basis Data | 1   |
| KK034 | Manajemen Proyek          | 3   |
| KK077 | Metode Numerik             | 3   |
+-----+-----+-----+
4 rows in set (0.001 sec)

MariaDB [magungf_2349]> SELECT NPM, Nama_Mahasiswa FROM agung_2349_mhs WHERE Nama_Mahasiswa LIKE 'A%';
+-----+-----+
| NPM      | Nama_Mahasiswa      |
+-----+-----+
| 202243500439 | Andi                   |
+-----+-----+
1 row in set (0.001 sec)

MariaDB [magungf_2349]> SELECT Nama_Mahasiswa, Jenis_Kelamin, Tanggal_Lahir FROM agung_2349_mhs ORDER BY Nama_Mahasiswa ASC;
+-----+-----+-----+
| Nama_Mahasiswa | Jenis_Kelamin | Tanggal_Lahir |
+-----+-----+-----+
| Andi            | L              | 1991-06-12     |
| Desi Maryani    | P              | 1991-08-24     |
| Endah Haryati   | P              | 1991-05-15     |
| Firdaus         | L              | 1991-05-18     |
| Gandi           | L              | 1991-07-10     |
| Hilda           | P              | 1991-02-08     |
| Indar Hari      | L              | 1990-12-30     |
| Muhammad Agung Febriyanto | L              | 2003-02-05     |
| Riswandi        | L              | 1990-10-08     |
+-----+-----+-----+
9 rows in set (0.001 sec)

MariaDB [magungf_2349]> UPDATE agung_2349_mhs SET Nama_Mahasiswa ='Muhammad Gandi' WHERE Nama_Mahasiswa ='Gandi';
Query OK, 1 row affected (0.057 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [magungf_2349]> SELECT*FROM agung_2349_mhs;
+-----+-----+-----+-----+-----+
| NPM      | Nama_Mahasiswa      | Domisili | Jenis_Kelamin | Tanggal_Lahir |
+-----+-----+-----+-----+-----+
| 202143502349 | Muhammad Agung Febriyanto | Jakarta | L              | 2003-02-05     |
| 202243500121 | Desi Maryani          | Bekasi  | P              | 1991-08-24     |
| 202243500165 | Firdaus                | Jakarta | L              | 1991-05-18     |
| 202243500228 | Muhammad Gandi        | Depok  | L              | 1991-07-10     |
| 202243500234 | Endah Haryati          | Depok  | P              | 1991-05-15     |
| 202243500326 | Hilda                  | Bogor  | P              | 1991-02-08     |
| 202243500439 | Andi                   | Jakarta | L              | 1991-06-12     |
| 202243500693 | Riswandi               | Bekasi  | L              | 1990-10-08     |
| 202243500694 | Indar Hari             | Bogor  | L              | 1990-12-30     |
+-----+-----+-----+-----+-----+
9 rows in set (0.001 sec)
```

MariaDB [magungf\_2349]> DELETE FROM agung\_2349\_mhs WHERE Nama\_Mahasiswa ='Hilda';  
Query OK, 1 row affected (0.079 sec)

MariaDB [magungf\_2349]> SELECT\*FROM agung\_2349\_mhs;

NPM	Nama_Mahasiswa	Domisili	Jenis_Kelamin	Tanggal_Lahir
202143502349	Muhammad Agung Febriyanto	Jakarta	L	2003-02-05
202243500121	Desi Maryani	Bekasi	P	1991-08-24
202243500165	Firdaus	Jakarta	L	1991-05-18
202243500228	Muhammad Gandi	Depok	L	1991-07-10
202243500234	Endah Haryati	Depok	P	1991-05-15
202243500439	Andi	Jakarta	L	1991-06-12
202243500693	Riswandi	Bekasi	L	1990-10-08
202243500694	Indar Hari	Bogor	L	1990-12-30

8 rows in set (0.001 sec)

MariaDB [magungf\_2349]> |