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TUGAS MODUL 4

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Command Prompt - mysql -u root -p
Microsoft Windows [Version 10.0.18363.720]
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C:\Users\Win 10>cd\

C:\>cd 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 27
Server version: 10.4.11-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 |
+-----+
| information_schema |
| kuliah |
| mysql |
| perbankan |
| performance_schema |
| perkuliahan |
| phpmyadmin |
| tabel |
| test |
+-----+
9 rows in set (0.001 sec)

MariaDB [(none)]> create database perkuliahan;
ERROR 1007 (HY000): Can't create database 'perkuliahan'; database exists
MariaDB [(none)]> create database kuliah;
Query OK, 1 row affected (0.002 sec)

MariaDB [(none)]> use kuliah;
Database changed
MariaDB [kuliah]> create table dosen(
  -> nip INTEGER PRIMARY KEY,
  -> nama_dosen VARCHAR(45) NOT NULL,
  -> alamat_dosen VARCHAR(255) 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 ')' at line 5
MariaDB [kuliah]> create table dosen(
  -> nip INTEGER PRIMARY KEY,
  -> nama_dosen VARCHAR(45) NOT NULL,
  -> alamat_dosen VARCHAR(255) NOT NULL
  -> );
Query OK, 0 rows affected (0.595 sec)

MariaDB [(none)]> use kuliah;
Database changed
MariaDB [kuliah]> create table dosen(
  -> nip INTEGER PRIMARY KEY,
  -> nama_dosen VARCHAR(45) NOT NULL,
  -> alamat_dosen VARCHAR(255) NOT NULL,
  -> );
Query OK, 0 rows affected (0.595 sec)

MariaDB [kuliah]> create table mahasiswa(
  -> nim INTEGER PRIMARY KEY,
  -> nipFK INTEGER REFERENCES dosen(nip)
  -> ON DELETE CASCADE ON UPDATE CASCADE,
  -> nama_mahasiswa VARCHAR(45) NOT NULL,
  -> alamat_mahasiswa VARCHAR(255) NOT NULL
  -> );
Query OK, 0 rows affected (0.317 sec)

MariaDB [kuliah]> create table matkul(
  -> nama_matkul VARCHAR(45) NOT NULL,
  -> nipFK INTEGER REFERENCES dosen(nip)
  -> ON DELETE CASCADE ON UPDATE CASCADE,
  -> id_matkul INTEGER PRIMARY KEY,
  -> dosen_pengampu VARCHAR(45) NOT NULL
  -> );
Query OK, 0 rows affected (0.381 sec)

MariaDB [kuliah]> create table ruang_kelas(
  -> kode_kelas INTEGER PRIMARY KEY,
  -> kapasitas INTEGER(20)
  -> );
Query OK, 0 rows affected (0.389 sec)

MariaDB [kuliah]> create table mahasiswa_has_matkul(
  -> nimFK INTEGER REFERENCES mahasiswa(nim)
  -> ON DELETE CASCADE ON UPDATE CASCADE,
  -> id_matkulFK INTEGER REFERENCES matkul(id_matkul)
  -> ON DELETE CASCADE ON UPDATE CASCADE,
  -> PRIMARY KEY(nimFK, id_matkulFK)
  -> );
Query OK, 0 rows affected (0.254 sec)
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Command Prompt - mysql -u root -p
MariaDB [kuliahan]> show tables;
+-----+
| Tables_in_kuliahan |
+-----+
| dosen               |
| mahasiswa           |
| mahasiswa_has_matkul |
| matkul              |
| ruang_kelas         |
+-----+
5 rows in set (0.001 sec)

MariaDB [kuliahan]> describe mahasiswa;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| nim        | int(11)   | NO   | PRI | NULL    |       |
| nipFK      | int(11)   | YES  |     | NULL    |       |
| nama_mahasiswa | varchar(45) | NO   |     | NULL    |       |
| alamat_mahasiswa | varchar(255) | NO   |     | NULL    |       |
+-----+
4 rows in set (0.021 sec)

MariaDB [kuliahan]> describe dosen;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| nip        | int(11)   | NO   | PRI | NULL    |       |
| nama_dosen | varchar(45) | NO   |     | NULL    |       |
| alamat_dosen | varchar(255) | NO   |     | NULL    |       |
+-----+
3 rows in set (0.010 sec)

MariaDB [kuliahan]> describe ruang_kelas;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| kode_kelas | int(11)   | NO   | PRI | NULL    |       |
| kapasitas  | int(20)   | YES  |     | NULL    |       |
+-----+
2 rows in set (0.010 sec)

MariaDB [kuliahan]> describe matkul;
+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+
| nama_matkul | varchar(45) | NO   |     | NULL    |       |
| nipFK      | int(11)   | YES  |     | NULL    |       |
| id_matkul   | int(11)   | NO   | PRI | NULL    |       |
| dosen_pengampu | varchar(45) | NO   |     | NULL    |       |
+-----+
4 rows in set (0.010 sec)
```