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TUGAS 1

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Command Prompt - mysql -u root -p
Microsoft Windows [Version 10.0.17763.1039]
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C:\Users\miyalayla>cd..

C:\Users>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 9
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)]> use kuliah;
Database changed
MariaDB [kuliah]> create table dosen(
  -> id_dosen int PRIMARY KEY,
  -> nama_dosen VARCHAR(45) NOT NULL,
  -> alamat_dosen VARCHAR(45) NOT NULL);
Query OK, 0 rows affected (0.008 sec)

MariaDB [kuliah]> create table mahasiswa(
  -> id_mahasiswa INT PRIMARY KEY,
  -> nama_mahasiswa VARCHAR(45) NOT NULL,
  -> alamat_mahasiswa VARCHAR(45) 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 4
MariaDB [kuliah]> create table mahasiswa(
  -> id_mahasiswa INT PRIMARY KEY,
  -> nama_mahasiswa VARCHAR(45) NOT NULL,
  -> alamat_mahasiswa VARCHAR(45) NOT NULL,
  -> kode_ruangFK INT REFERENCES ruang(kode_ruang) ON DELETE SET NULL ON UPDATE CASCADE);
Query OK, 0 rows affected (0.013 sec)

MariaDB [kuliah]> create table matkul(
  -> kode_matakul INT PRIMARY KEY,
  -> nama_matakul VARCHAR(45) NOT NULL,
  -> jumlah_matakul INT DEFAULT 0 NOT NULL);
Query OK, 0 rows affected (0.010 sec)

MariaDB [kuliah]> create table ruang(
  -> kode_ruang INT PRIMARY KEY,
  -> nama_ruang VARCHAR(45) NOT NULL);
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Command Prompt - mysql -u root -p

MariaDB [kuliah]> create table dosen_has_mahasiswa(
  -> id_dosenFK INT REFERENCES dosen(id_dosen) ON DELETE SET NULL ON UPDATE CASCADE,
  -> id_mahasiswaFK INT REFERENCES mahasiswa(id_mahasiswa) ON DELETE SET NULL ON UPDATE CASCADE);
Query OK, 0 rows affected (0.015 sec)

MariaDB [kuliah]> create table dosen_has_matkul(
  -> id_dosenFK INT REFERENCES dosen(id_dosen) ON DELETE SET NULL ON UPDATE CASCADE,
  -> kode_matakulFK INT REFERENCES matkul(kode_matakul) ON DELETE SET NULL ON UPDATE CASCADE);
Query OK, 0 rows affected (0.011 sec)

MariaDB [kuliah]> create table mahasiswa_has_matkul(
  -> id_mahasiswaFK INT REFERENCES mahasiswa(id_mahasiswa) ON DELETE SET NULL ON UPDATE CASCADE,
  -> kode_matakulFK INT REFERENCES matkul(kode_matakul) ON DELETE SET NULL ON UPDATE CASCADE);
Query OK, 0 rows affected (0.013 sec)

MariaDB [kuliah]> show tables;
+-----+
| Tables_in_kuliah |
+-----+
| dosen             |
| dosen_has_mahasiswa |
| dosen_has_matkul  |
| mahasiswa         |
| mahasiswa_has_matkul |
| matkul            |
| ruang             |
+-----+
7 rows in set (0.001 sec)

MariaDB [kuliah]> describe mahasiswa;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_mahasiswa   | int(11)       | NO   | PRI | NULL    |       |
| nama_mahasiswa | varchar(45)   | NO   |     | NULL    |       |
| alamat_mahasiswa | varchar(45)   | NO   |     | NULL    |       |
| kode_ruangFK   | int(11)       | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.004 sec)

MariaDB [kuliah]> describe dosen;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_dosen       | int(11)       | NO   | PRI | NULL    |       |
| nama_dosen     | varchar(45)   | NO   |     | NULL    |       |
| alamat_dosen   | varchar(45)   | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.004 sec)
```

TUGAS 2

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Command Prompt - mysql -u root -p

MariaDB [(none)]> CREATE DATABASE perpustakaan;
->
-> ;
Query OK, 1 row affected (0.002 sec)

MariaDB [(none)]> CREATE DATABASE perpustakaan;
ERROR 1007 (HY000): Can't create database 'perpustakaan'; database exists
MariaDB [(none)]> USE perpustakaan;
Database changed
MariaDB [perpustakaan]> CREATE TABLE member(
-> id_member INT PRIMARY KEY,
-> nama_member VARCHAR(45) NOT NULL,
-> alamat_member VARCHAR(45) NOT NUL);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your Mari
aDB server version for the right syntax to use near 'NUL)' at line 4
MariaDB [perpustakaan]> CREATE TABLE member(
-> id_member INT PRIMARY KEY,
-> nama_member VARCHAR(45) NOT NULL,
-> alamat_member VARCHAR(45) NOT NULL);
Query OK, 0 rows affected (0.012 sec)

MariaDB [perpustakaan]> CREATE TABLE staff(
-> id_staff INT PRIMARY KEY,
-> nama_staff VARCHAR(45) NOT NULL,
-> alamat_staff VARCHAR(45) NOT NULL);
Query OK, 0 rows affected (0.016 sec)

MariaDB [perpustakaan]> CREATE TABLE buku(
-> id_buku INT PRIMARY KEY,
-> nama_pengarang VARCHAR(45) NOT NULL,
-> judul_buku VARCHAR(45) NOT NULL);
Query OK, 0 rows affected (0.015 sec)

MariaDB [perpustakaan]> CREATE TABLE supplier(
-> id_supplier INT PRIMARY KEY,
-> nama_supplier VARCHAR(45) NOT NULL,
-> alamat_supplier VARCHAR(45) NOT NULL);
Query OK, 0 rows affected (0.011 sec)

MariaDB [perpustakaan]> CREATE TABLE staff_has_member(
-> id_staffFK INT REFERENCES staff(id_staff) ON DELETE CASCADE ON UPDATE CASCADE,
-> id_memberFK INT REFERENCES member(id_member) ON DELETE CASCADE ON UPDATE CASCADE);
Query OK, 0 rows affected (0.011 sec)

MariaDB [perpustakaan]> CREATE TABLE member_has_buku(
-> id_memberFK INT REFERENCES member(id_member) ON DELETE CASCADE ON UPDATE CASCADE,
-> id_bukuFK INT REFERENCES buku(id_buku) ON DELETE CASCADE ON UPDATE CASCADE);
Query OK, 0 rows affected (0.013 sec)
```

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Select Command Prompt - mysql -u root -p

MariaDB [perpustakaan]> CREATE TABLE buku_has_supplier(
  -> id_bukuFK INT REFERENCES buku(id_buku) ON DELETE CASCADE ON UPDATE CASCADE,
  -> id_supplierFK INT REFERENCES supplier(id_supplier) ON DELETE CASCADE ON UPDATE CASCADE);
Query OK, 0 rows affected (0.014 sec)

MariaDB [perpustakaan]> show tables;
+-----+
| Tables_in_perpustakaan |
+-----+
| buku                    |
| buku_has_supplier       |
| member                  |
| member_has_buku         |
| staff                   |
| staff_has_member        |
| supplier                 |
+-----+
7 rows in set (0.005 sec)

MariaDB [perpustakaan]> describe member;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_member  | int(11)   | NO   | PRI | NULL    |       |
| nama_member | varchar(45) | NO   |     | NULL    |       |
| alamat_member | varchar(45) | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.006 sec)

MariaDB [perpustakaan]> describe staff;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_staff   | int(11)   | NO   | PRI | NULL    |       |
| nama_staff | varchar(45) | NO   |     | NULL    |       |
| alamat_staff | varchar(45) | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.004 sec)

MariaDB [perpustakaan]> describe buku;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_buku    | int(11)   | NO   | PRI | NULL    |       |
| nama_pengarang | varchar(45) | NO   |     | NULL    |       |
| judul_buku | varchar(45) | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.005 sec)
```

```
Select Command Prompt - mysql -u root -p

MariaDB [perpustakaan]> describe supplier;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id_supplier | int(11)   | NO   | PRI | NULL    |       |
| nama_supplier | varchar(45) | NO   |     | NULL    |       |
| alamat_supplier | varchar(45) | NO   |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.006 sec)

MariaDB [perpustakaan]>
```