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Command Prompt - mysql -u root -p
C:\>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 45
Server version: 10.4.11-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)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| perbankan |
| performance_schema |
| phpmyadmin |
| test |
+-----+
6 rows in set (0.283 sec)

MariaDB [(none)]> create database kuliah;
Query OK, 1 row affected (0.004 sec)

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

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Command Prompt - mysql -u root -p
MariaDB [kuliah]> CREATE TABLE mahasiswa(
-> nim INTEGER PRIMARY KEY,
-> nama_mhs VARCHAR(45) NOT NULL,
-> alamat_mhs VARCHAR(255) NOT NULL,
-> notlp_mhs INTEGER DEFAULT 0 NOT NULL
-> );
Query OK, 0 rows affected (0.424 sec)

MariaDB [kuliah]> CREATE TABLE dosen(
-> nik INTEGER PRIMARY KEY,
-> nama_dsn VARCHAR(45) NOT NULL,
-> alamat_dsn VARCHAR(255) NOT NULL,
-> jabatan_dsn VARCHAR(45) NOT NULL,
-> notlp_dsn INTEGER DEFAULT 0 NOT NULL,
-> gaji_dsn INTEGER DEFAULT 0 NOT NULL
-> );
Query OK, 0 rows affected (0.348 sec)

MariaDB [kuliah]> CREATE TABLE matakuliah(
-> kode_mk INTEGER PRIMARY KEY,
-> nama_mk VARCHAR(45) NOT NULL,
-> sks INTEGER DEFAULT 0 NOT NULL
-> );
Query OK, 0 rows affected (0.342 sec)
```

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Command Prompt - mysql -u root -p

MariaDB [kuliah]> CREATE TABLE ruangkelas(
-> kode_rk VARCHAR(20) PRIMARY KEY,
-> nama_rk VARCHAR(45) NOT NULL,
-> letak_rk VARCHAR(45) NOT NULL
-> );
Query OK, 0 rows affected (0.321 sec)

MariaDB [kuliah]> CREATE TABLE mahasiswa_diajar_dosen(
-> nimFK INTEGER REFERENCES mahasiswa(nim)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> nikFK INTEGER REFERENCES dosen(nik)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> PRIMARY KEY(nimFK, nikFK)
-> );
Query OK, 0 rows affected (0.642 sec)

MariaDB [kuliah]> CREATE TABLE mahasiswa_mengambil_matakuliah(
-> nimFK INTEGER REFERENCES mahasiswa(nim)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> kode_mkFK INTEGER REFERENCES matakuliah(kode_mk)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> PRIMARY KEY(nimFK, kode_mkFK)
-> );
Query OK, 0 rows affected (0.802 sec)
```

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

MariaDB [kuliah]> CREATE TABLE dosen_mengampu_matakuliah(
-> nikFK INTEGER REFERENCES dosen(nik)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> kode_mkFK INTEGER REFERENCES matakuliah(kode_mk)
-> ON DELETE CASCADE ON UPDATE CASCADE,
-> PRIMARY KEY(nikFK, kode_mkFK)
-> );
Query OK, 0 rows affected (0.499 sec)

MariaDB [kuliah]> show tables;
+-----+
| Tables_in_kuliah |
+-----+
| dosen              |
| dosen_mengampu_matakuliah |
| mahasiswa          |
| mahasiswa_diajar_dosen |
| mahasiswa_mengambil_matakuliah |
| matakuliah         |
| ruangkelas         |
+-----+
7 rows in set (0.003 sec)
```

Command Prompt - mysql -u root -p

MariaDB [kuliah]> describe matakuliah;

Field	Type	Null	Key	Default	Extra
kode_mk	int(11)	NO	PRI	NULL	
nama_mk	varchar(45)	NO		NULL	
sks	int(11)	NO		0	

3 rows in set (0.021 sec)

MariaDB [kuliah]> describe ruangkelas;

Field	Type	Null	Key	Default	Extra
kode_rk	varchar(20)	NO	PRI	NULL	
nama_rk	varchar(45)	NO		NULL	
letak_rk	varchar(45)	NO		NULL	

3 rows in set (0.024 sec)

MariaDB [kuliah]> describe mahasiswa_diajar_dosen;

Field	Type	Null	Key	Default	Extra
nimFK	int(11)	NO	PRI	NULL	
nikFK	int(11)	NO	PRI	NULL	

2 rows in set (0.020 sec)

Command Prompt - mysql -u root -p

MariaDB [kuliah]> describe mahasiswa;

Field	Type	Null	Key	Default	Extra
nim	int(11)	NO	PRI	NULL	
nama_mhs	varchar(45)	NO		NULL	
alamat_mhs	varchar(255)	NO		NULL	
notlp_mhs	int(11)	NO		0	

4 rows in set (0.021 sec)

MariaDB [kuliah]> describe dosen;

Field	Type	Null	Key	Default	Extra
nik	int(11)	NO	PRI	NULL	
nama_dsn	varchar(45)	NO		NULL	
alamat_dsn	varchar(255)	NO		NULL	
jabatan_dsn	varchar(45)	NO		NULL	
notlp_dsn	int(11)	NO		0	
gaji_dsn	int(11)	NO		0	

6 rows in set (0.021 sec)

Command Prompt - mysql -u root -p

MariaDB [kuliah]> describe matakuliah;

Field	Type	Null	Key	Default	Extra
kode_mk	int(11)	NO	PRI	NULL	
nama_mk	varchar(45)	NO		NULL	
sks	int(11)	NO		0	

3 rows in set (0.021 sec)

MariaDB [kuliah]> describe ruangkelas;

Field	Type	Null	Key	Default	Extra
kode_rk	varchar(20)	NO	PRI	NULL	
nama_rk	varchar(45)	NO		NULL	
letak_rk	varchar(45)	NO		NULL	

3 rows in set (0.024 sec)

MariaDB [kuliah]> describe mahasiswa_diajar_dosen;

Field	Type	Null	Key	Default	Extra
nimFK	int(11)	NO	PRI	NULL	
nikFK	int(11)	NO	PRI	NULL	

2 rows in set (0.020 sec)

Command Prompt - mysql -u root -p

MariaDB [kuliah]> describe mahasiswa_mengambil_matakuliah;

Field	Type	Null	Key	Default	Extra
nimFK	int(11)	NO	PRI	NULL	
kode_mkFK	int(11)	NO	PRI	NULL	

2 rows in set (0.296 sec)

Command Prompt - mysql -u root -p

MariaDB [kuliah]> describe dosen_mengampu_matakuliah;

Field	Type	Null	Key	Default	Extra
nikFK	int(11)	NO	PRI	NULL	
kode_mkFK	int(11)	NO	PRI	NULL	

2 rows in set (0.032 sec)