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## Membuat Table Mahasiswa

```
MariaDB [praktikum5]> CREATE TABLE Tabel_Mahasiswa (  
-> nim VARCHAR(15) PRIMARY KEY,  
-> nama VARCHAR(25),  
-> jk VARCHAR(1),  
-> tgl_lahir DATE,  
-> jalan VARCHAR(20),  
-> kota VARCHAR(20),  
-> kodepos VARCHAR(10),  
-> no_hp VARCHAR(20),  
-> kd_ds VARCHAR(20),  
-> );  
Query OK, 0 rows affected (0.020 sec)  
  
MariaDB [praktikum5]> DESC Tabel_Mahasiswa;  
+-----+-----+-----+-----+-----+-----+  
Field | Type | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
nim | varchar(15) | NO | PRI | NULL | |  
nama | varchar(25) | YES | | NULL | |  
jk | varchar(1) | YES | | NULL | |  
tgl_lahir | date | YES | | NULL | |  
jalan | varchar(20) | YES | | NULL | |  
kota | varchar(20) | YES | | NULL | |  
kodepos | varchar(10) | YES | | NULL | |  
no_hp | varchar(20) | YES | | NULL | |  
kd_ds | varchar(20) | YES | | NULL | |  
+-----+-----+-----+-----+-----+-----+  
0 rows in set (0.009 sec)  
  
MariaDB [praktikum5]> INSERT INTO Tabel_mahasiswa (nim, nama, jk, tgl_lahir, jalan, kota, kodepos, no_hp, kd_ds)  
-> VALUES  
-> ('1812345', 'Ari Santoso', 'L', '1999-10-11', NULL, 'Bekasi', NULL, NULL, 'DS002'),  
-> ('1823456', 'Dina Marlina', 'P', '1998-11-20', NULL, 'Jakarta', NULL, NULL, NULL),  
-> ('1834567', 'Rahmat Hidayat', 'L', '1999-05-10', NULL, 'Bekasi', NULL, NULL, NULL),  
-> ('1845678', 'Jaka Sempurna', 'L', '2000-10-19', NULL, 'Cikarang', NULL, NULL, NULL),  
-> ('1856789', 'Tia Lestari', 'P', '1999-02-15', NULL, 'Karawang', NULL, NULL, NULL),  
-> ('1867890', 'Anton Sinaga', 'L', '1998-06-22', NULL, 'Bekasi', NULL, NULL, NULL),  
-> ('1912345', 'Listia Nastiti', 'P', '2001-10-23', NULL, 'Jakarta', NULL, NULL, NULL),  
-> ('1923456', 'Amira Jarisa', 'P', '2001-01-24', NULL, 'Karawang', NULL, NULL, 'DS004'),  
-> ('1934567', 'Laksana Mardito', 'L', '1999-04-14', NULL, 'Cikarang', NULL, NULL, NULL),  
-> ('1945678', 'Jura Marsina', 'P', '2000-05-10', NULL, 'Cikarang', NULL, NULL, NULL),  
-> ('1956789', 'Dadi Martani', 'L', '2001-08-29', NULL, 'Bekasi', NULL, NULL, 'DS005'),  
-> ('1967890', 'Bayu Laksono', 'L', '1999-07-22', NULL, 'Cikarang', NULL, NULL, 'DS004');  
Query OK, 12 rows affected (0.015 sec)  
Records: 12 Duplicates: 0 Warnings: 0
```

```
MariaDB [praktikum5]> SELECT * FROM Tabel_mahasiswa;  
+-----+-----+-----+-----+-----+-----+-----+-----+  
nim | nama | jk | tgl_lahir | jalan | kota | kodepos | no_hp | kd_ds |  
+-----+-----+-----+-----+-----+-----+-----+-----+  
1812345 | Ari Santoso | L | 1999-10-11 | NULL | Bekasi | NULL | NULL | DS002 |  
1823456 | Dina Marlina | P | 1998-11-20 | NULL | Jakarta | NULL | NULL | NULL |  
1834567 | Rahmat Hidayat | L | 1999-05-10 | NULL | Bekasi | NULL | NULL | NULL |  
1845678 | Jaka Sempurna | L | 2000-10-19 | NULL | Cikarang | NULL | NULL | NULL |  
1856789 | Tia Lestari | P | 1999-02-15 | NULL | Karawang | NULL | NULL | NULL |  
1867890 | Anton Sinaga | L | 1998-06-22 | NULL | Bekasi | NULL | NULL | NULL |  
1912345 | Listia Nastiti | P | 2001-10-23 | NULL | Jakarta | NULL | NULL | NULL |  
1923456 | Amira Jarisa | P | 2001-01-24 | NULL | Karawang | NULL | NULL | DS004 |  
1934567 | Laksana Mardito | L | 1999-04-14 | NULL | Cikarang | NULL | NULL | NULL |  
1945678 | Jura Marsina | P | 2000-05-10 | NULL | Cikarang | NULL | NULL | NULL |  
1956789 | Dadi Martani | L | 2001-08-29 | NULL | Bekasi | NULL | NULL | DS005 |  
1967890 | Bayu Laksono | L | 1999-07-22 | NULL | Cikarang | NULL | NULL | DS004 |  
+-----+-----+-----+-----+-----+-----+-----+-----+  
12 rows in set (0.001 sec)
```

## Membuat Tabel Dosen

```
MariaDB [praktikum5]> CREATE TABLE Dosen (kd_ds VARCHAR (15) PRIMARY KEY, nama VARCHAR (25));
Query OK, 0 rows affected (0.019 sec)
```

```
MariaDB [praktikum5]> INSERT INTO Dosen (kd_ds, nama)
```

```
-> VALUES
-> ('DS001', 'Nofal Arianto'),
-> ('DS002', 'Ario Talib'),
-> ('DS003', 'Ayu Rahmadina'),
-> ('DS004', 'Ratna Kumala'),
-> ('DS005', 'Vika Prasetyio');
```

```
Query OK, 5 rows affected (0.008 sec)
```

```
Records: 5 Duplicates: 0 Warnings: 0
```

```
MariaDB [praktikum5]> SELECT * FROM Dosen;
```

```
+-----+-----+
| kd_ds | nama          |
+-----+-----+
| DS001 | Nofal Arianto |
| DS002 | Ario Talib    |
| DS003 | Ayu Rahmadina |
| DS004 | Ratna Kumala  |
| DS005 | Vika Prasetyio |
+-----+-----+
5 rows in set (0.001 sec)
```

## Membuat Tabel Matakuliah

```
MariaDB [praktikum5]> CREATE TABLE Matakuliah (kd_mk VARCHAR(15) PRIMARY KEY, nama VARCHAR(50) NOT NULL);
Query OK, 0 rows affected (0.020 sec)
```

```
MariaDB [praktikum5]> ALTER TABLE Matakuliah ADD COLUMN sks INT NOT NULL;
```

```
Query OK, 0 rows affected (0.014 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
MariaDB [praktikum5]> INSERT INTO Matakuliah (kd_mk, nama, sks)
```

```
-> VALUES
-> ('MK001', 'Algoritma Dan Pemrograman', '3'),
-> ('MK002', 'Praktikum Algoritma dan Pemrograman', '1'),
-> ('MK003', 'Teknologi Basis Data', '3'),
-> ('MK004', 'Praktikum Teknologi Basis Data', '1'),
-> ('MK005', 'Pemrograman Dasar', '3'),
-> ('MK006', 'Pemrograman Berorientasi Objek', '3'),
-> ('MK007', 'Struktur Data', '3'),
-> ('MK008', 'Arsitektur Komputer', '2');
```

```
Query OK, 8 rows affected (0.005 sec)
Records: 8 Duplicates: 0 Warnings: 0
```

```
MariaDB [praktikum5]> SELECT * FROM Matakuliah;
```

```
+-----+-----+-----+
| kd_mk | nama                                     | sks |
+-----+-----+-----+
| MK001 | Algoritma Dan Pemrograman              | 3   |
| MK002 | Praktikum Algoritma dan Pemrograman    | 1   |
| MK003 | Teknologi Basis Data                    | 3   |
| MK004 | Praktikum Teknologi Basis Data          | 1   |
| MK005 | Pemrograman Dasar                       | 3   |
| MK006 | Pemrograman Berorientasi Objek           | 3   |
| MK007 | Struktur Data                           | 3   |
| MK008 | Arsitektur Komputer                     | 2   |
+-----+-----+-----+
8 rows in set (0.001 sec)
```

## ❖ TAMBAHAN

```
MariaDB [praktikum5]> ALTER TABLE Matakuliah ADD COLUMN kd_ds VARCHAR(5);
```

```
Query OK, 0 rows affected (0.030 sec)
```

```
Records: 0 Duplicates: 0 Warnings: 0
```

```
MariaDB [praktikum5]> ALTER TABLE Matakuliah ADD FOREIGN KEY (kd_ds) REFERENCES Dosen(kd_ds);
```

```
Query OK, 8 rows affected (0.079 sec)
```

```
Records: 8 Duplicates: 0 Warnings: 0
```

## Membuat Tabel Jadwal Mengajar

```
MariaDB [praktikum5]> CREATE TABLE JadwalMengajar (kd_mk VARCHAR (15), kd_ds VARCHAR (15), hari VARCHAR(15), jam TIME, ruang VARCHAR (15));
Query OK, 0 rows affected (0.020 sec)
```

```

MariaDB [praktikum5]> INSERT INTO JadwalMengajar (kd_mk, kd_ds, hari, jam, ruang)
-> VALUES
-> ('MK002', 'DS002', 'Senin', '13:00:00', 'Lab. 01'),
-> ('MK003', 'DS001', 'Selasa', '08:00:00', '201'),
-> ('MK004', 'DS001', 'Rabu', '10:00:00', 'Lab. 02'),
-> ('MK005', 'DS003', 'Selasa', '10:00:00', 'Lab. 01'),
-> ('MK006', 'DS004', 'Kamis', '09:00:00', 'Lab. 3'),
-> ('MK007', 'DS005', 'Rabu', '08:00:00', '102'),
-> ('MK008', 'DS005', 'Kamis', '13:00:00', '201');
Query OK, 7 rows affected (0.008 sec)
Records: 7 Duplicates: 0 Warnings: 0

```

```

MariaDB [praktikum5]> SELECT * FROM JadwalMengajar;
+-----+-----+-----+-----+-----+
| kd_mk | kd_ds | hari  | jam    | ruang |
+-----+-----+-----+-----+-----+
| MK002 | DS002 | Senin | 13:00:00 | Lab. 01 |
| MK003 | DS001 | Selasa | 08:00:00 | 201 |
| MK004 | DS001 | Rabu  | 10:00:00 | Lab. 02 |
| MK005 | DS003 | Selasa | 10:00:00 | Lab. 01 |
| MK006 | DS004 | Kamis  | 09:00:00 | Lab. 3 |
| MK007 | DS005 | Rabu   | 08:00:00 | 102 |
| MK008 | DS005 | Kamis  | 13:00:00 | 201 |
+-----+-----+-----+-----+-----+
7 rows in set (0.001 sec)

```

## Membuat Tabel KRS Mahasiswa

```

MariaDB [praktikum5]> CREATE TABLE KRSmahasiswa (
->   nim VARCHAR(15),
->   kd_mk VARCHAR(15),
->   semester INT,
->   nilai VARCHAR(10)
-> );
Query OK, 0 rows affected (0.020 sec)

```

```

MariaDB [praktikum5]> INSERT INTO KRSmahasiswa (nim, kd_mk, semester, nilai)
-> VALUES
-> ('1823456', 'MK001', 3, NULL),
-> ('1823456', 'MK002', 1, NULL),
-> ('1823456', 'MK003', 3, NULL),
-> ('1823456', 'MK004', 3, NULL),
-> ('1823456', 'MK007', 3, NULL),
-> ('1823456', 'MK008', 3, NULL);
Query OK, 6 rows affected (0.006 sec)
Records: 6 Duplicates: 0 Warnings: 0

```

```

MariaDB [praktikum5]> SELECT * FROM KRSmahasiswa;
+-----+-----+-----+-----+
| nim    | kd_mk | semester | nilai |
+-----+-----+-----+-----+
| 1823456 | MK001 | 3        | NULL |
| 1823456 | MK002 | 1        | NULL |
| 1823456 | MK003 | 3        | NULL |
| 1823456 | MK004 | 3        | NULL |
| 1823456 | MK007 | 3        | NULL |
| 1823456 | MK008 | 3        | NULL |
+-----+-----+-----+-----+
6 rows in set (0.001 sec)

```

## LATIHAN

1. Lakukan join tabel Mahasiswa dan Dosen

```
MariaDB [praktikum5]> SELECT * FROM Tabel_mahasiswa;
```

nim	nama	jk	tgl_lahir	jalan	kota	kodepos	no_hp	kd_ds
1812345	Ari Santoso	L	1999-10-11	NULL	Bekasi	NULL	NULL	DS002
1823456	Dina Marlina	P	1998-11-20	NULL	Jakarta	NULL	NULL	NULL
1834567	Rahmat Hidayat	L	1999-05-10	NULL	Bekasi	NULL	NULL	NULL
1845678	Jaka Sempurna	L	2000-10-19	NULL	Cikarang	NULL	NULL	NULL
1856789	Tia Lestari	P	1999-02-15	NULL	Karawang	NULL	NULL	NULL
1867890	Anton Sinaga	L	1998-06-22	NULL	Bekasi	NULL	NULL	NULL
1912345	Listia Nastiti	P	2001-10-23	NULL	Jakarta	NULL	NULL	NULL
1923456	Amina Jarisa	P	2001-01-24	NULL	Karawang	NULL	NULL	DS004
1934567	Laksana Mardito	L	1999-04-14	NULL	Cikarang	NULL	NULL	NULL
1945678	Jura Marsina	P	2000-05-10	NULL	Cikarang	NULL	NULL	NULL
1956789	Dadi Martani	L	2001-08-29	NULL	Bekasi	NULL	NULL	DS005
1967890	Bayu Laksono	L	1999-07-22	NULL	Cikarang	NULL	NULL	DS004

```
12 rows in set (0.001 sec)
```

## 2. Lakukan Join tabel Matakuliah dan Dosen

```
MariaDB [praktikum5]> SELECT * FROM Matakuliah JOIN Dosen;
```

kd_mk	nama	sks	kd_ds	kd_ds	nama
MK001	Algoritma Dan Pemrograman	3	NULL	DS001	Nofal Arianto
MK001	Algoritma Dan Pemrograman	3	NULL	DS002	Ario Talib
MK001	Algoritma Dan Pemrograman	3	NULL	DS003	Ayu Rahmadina
MK001	Algoritma Dan Pemrograman	3	NULL	DS004	Ratna Kumala
MK001	Algoritma Dan Pemrograman	3	NULL	DS005	Vika Prasetyio
MK002	Praktikum Algoritma dan Pemrograman	1	NULL	DS001	Nofal Arianto
MK002	Praktikum Algoritma dan Pemrograman	1	NULL	DS002	Ario Talib
MK002	Praktikum Algoritma dan Pemrograman	1	NULL	DS003	Ayu Rahmadina
MK002	Praktikum Algoritma dan Pemrograman	1	NULL	DS004	Ratna Kumala
MK002	Praktikum Algoritma dan Pemrograman	1	NULL	DS005	Vika Prasetyio
MK003	Teknologi Basis Data	3	NULL	DS001	Nofal Arianto
MK003	Teknologi Basis Data	3	NULL	DS002	Ario Talib
MK003	Teknologi Basis Data	3	NULL	DS003	Ayu Rahmadina
MK003	Teknologi Basis Data	3	NULL	DS004	Ratna Kumala
MK003	Teknologi Basis Data	3	NULL	DS005	Vika Prasetyio
MK004	Praktikum Teknologi Basis Data	1	NULL	DS001	Nofal Arianto
MK004	Praktikum Teknologi Basis Data	1	NULL	DS002	Ario Talib
MK004	Praktikum Teknologi Basis Data	1	NULL	DS003	Ayu Rahmadina
MK004	Praktikum Teknologi Basis Data	1	NULL	DS004	Ratna Kumala
MK004	Praktikum Teknologi Basis Data	1	NULL	DS005	Vika Prasetyio
MK005	Pmrograman Dasar	3	NULL	DS001	Nofal Arianto
MK005	Pmrograman Dasar	3	NULL	DS002	Ario Talib
MK005	Pmrograman Dasar	3	NULL	DS003	Ayu Rahmadina
MK005	Pmrograman Dasar	3	NULL	DS004	Ratna Kumala
MK005	Pmrograman Dasar	3	NULL	DS005	Vika Prasetyio
MK006	Pmrograman Berorientasi Objek	3	NULL	DS001	Nofal Arianto
MK006	Pmrograman Berorientasi Objek	3	NULL	DS002	Ario Talib
MK006	Pmrograman Berorientasi Objek	3	NULL	DS003	Ayu Rahmadina
MK006	Pmrograman Berorientasi Objek	3	NULL	DS004	Ratna Kumala
MK006	Pmrograman Berorientasi Objek	3	NULL	DS005	Vika Prasetyio
MK007	Struktur Data	3	NULL	DS001	Nofal Arianto
MK007	Struktur Data	3	NULL	DS002	Ario Talib
MK007	Struktur Data	3	NULL	DS003	Ayu Rahmadina
MK007	Struktur Data	3	NULL	DS004	Ratna Kumala
MK007	Struktur Data	3	NULL	DS005	Vika Prasetyio
MK008	Arsitektur Komputer	2	NULL	DS001	Nofal Arianto
MK008	Arsitektur Komputer	2	NULL	DS002	Ario Talib
MK008	Arsitektur Komputer	2	NULL	DS003	Ayu Rahmadina
MK008	Arsitektur Komputer	2	NULL	DS004	Ratna Kumala
MK008	Arsitektur Komputer	2	NULL	DS005	Vika Prasetyio

```
40 rows in set (0.006 sec)
```

## 3. Lakukan join tabel Jadwal Mengajar, Dosen, dan Matakuliah



```
MariaDB [praktikum5]> SELECT *
-> FROM JadwalMengajar
-> JOIN Dosen ON JadwalMengajar.kd_ds = Dosen.kd_ds
-> JOIN Matakuliah ON JadwalMengajar.kd_mk = Matakuliah.kd_mk;
```

kd_mk	kd_ds	hari	jam	ruang	kd_ds	nama	kd_mk	nama	sks	kd_ds
MK003	DS001	Selasa	08:00:00	201	DS001	Nofal Arianto	MK003	Teknologi Basis Data	3	DS003
MK004	DS001	Rabu	10:00:00	Lab. 02	DS001	Nofal Arianto	MK004	Praktikum Teknologi Basis Data	1	DS004
MK002	DS002	Senin	13:00:00	Lab. 01	DS002	Ario Talib	MK002	Praktikum Algoritma dan Pemrograman	1	DS002
MK005	DS003	Selasa	10:00:00	Lab. 01	DS003	Ayu Rahmadina	MK005	Pmrograman Dasar	3	DS005
MK006	DS004	Kamis	09:00:00	Lab. 3	DS004	Ratna Kumala	MK006	Pmrograman Berorientasi Objek	3	NULL
MK007	DS005	Rabu	08:00:00	102	DS005	Vika Prasetyio	MK007	Struktur Data	3	NULL
MK008	DS005	Kamis	13:00:00	201	DS005	Vika Prasetyio	MK008	Arsitektur Komputer	2	NULL

#### 4. Lakukan join tabel KRS Mahasiswa, Mahasiswa, Matakuliah, dan Dosen

```
MariaDB [praktikum5]> SELECT *
-> FROM KRSMahasiswa
-> JOIN Tabel_Mahasiswa ON KRSMahasiswa.nim = Tabel_Mahasiswa.nim
-> JOIN Matakuliah ON KRSMahasiswa.kd_mk = Matakuliah.kd_mk
-> JOIN Dosen ON Matakuliah.kd_ds = Dosen.kd_ds;
```

nim	kd_mk	semester	nilai	nim	nama	jk	tgl_lahir	jalan	kota	kodepos	no_hp	kd_ds	kd_mk	nama	sks	kd_ds	kd_ds	nama
1823456	MK001	3	NULL	1823456	Dina Marlina	P	1998-11-20	NULL	Jakarta	NULL	NULL	NULL	MK001	Algoritma Dan Pemrograman	3	DS001	DS001	Nofal Arianto
1823456	MK002	1	NULL	1823456	Dina Marlina	P	1998-11-20	NULL	Jakarta	NULL	NULL	NULL	MK002	Praktikum Algoritma dan Pemrograman	1	DS002	DS002	Ario Talib
1823456	MK003	3	NULL	1823456	Dina Marlina	P	1998-11-20	NULL	Jakarta	NULL	NULL	NULL	MK003	Teknologi Basis Data	3	DS003	DS003	Ayu Rahmadina
1823456	MK004	3	NULL	1823456	Dina Marlina	P	1998-11-20	NULL	Jakarta	NULL	NULL	NULL	MK004	Praktikum Teknologi Basis Data	1	DS004	DS004	Ratna Kumala

4 rows in set (0.005 sec)

#### JOIN Tabel Mahasiswa dan Dosen

```
MariaDB [praktikum5]> SELECT Tabel_Mahasiswa.nama, Tabel_Mahasiswa.nim, Tabel_Mahasiswa.jk, Dosen.nama AS 'Dosen PA'
-> FROM Tabel_Mahasiswa
-> INNER JOIN Dosen ON Tabel_Mahasiswa.kd_ds = Dosen.kd_ds;
```

nama	nim	jk	Dosen PA
Ari Santoso	1812345	L	Ario Talib
Amira Jarisa	1923456	P	Ratna Kumala
Dadi Martani	1956789	L	Vika Prasetyio
Bayu Laksono	1967890	L	Ratna Kumala

4 rows in set (0.001 sec)

#### LEFT JOIN Tabel Mahasiswa dan Dosen

```
MariaDB [praktikum5]> SELECT Tabel_Mahasiswa.nim, Tabel_Mahasiswa.nama, Tabel_Mahasiswa.jk, Dosen.nama AS 'Dosen PA'
-> FROM Tabel_Mahasiswa
-> LEFT JOIN Dosen ON Tabel_Mahasiswa.kd_ds = Dosen.kd_ds;
```

nim	nama	jk	Dosen PA
1812345	Ari Santoso	L	Ario Talib
1823456	Dina Marlina	P	NULL
1834567	Rahmat Hidayat	L	NULL
1845678	Jaka Sempurna	L	NULL
1856789	Tia Lestari	P	NULL
1867890	Anton Sinaga	L	NULL
1912345	Listia Nastiti	P	NULL
1923456	Amira Jarisa	P	Ratna Kumala
1934567	Laksana Mardito	L	NULL
1945678	Jura Marsina	P	NULL
1956789	Dadi Martani	L	Vika Prasetyio
1967890	Bayu Laksono	L	Ratna Kumala

12 rows in set (0.001 sec)

#### JOIN tabel Jadwal Mengajar, Dosen, dan Matakuliah

```

MariaDB [praktikum5]> SELECT JadwalMengajar.kd_mk, Matakuliah.nama, Matakuliah.sks, Dosen.nama AS 'Dosen PA'
-> FROM JadwalMengajar
-> INNER JOIN Dosen ON JadwalMengajar.kd_ds = Dosen.kd_ds
-> INNER JOIN Matakuliah ON JadwalMengajar.kd_mk = Matakuliah.kd_mk;
+-----+-----+-----+-----+
| kd_mk | nama                                | sks | Dosen PA |
+-----+-----+-----+-----+
| MK003 | Teknologi Basis Data                | 3   | Nofal Arianto |
| MK004 | Praktikum Teknologi Basis Data      | 1   | Nofal Arianto |
| MK002 | Praktikum Algoritma dan Pemrograman | 1   | Ario Talib   |
| MK005 | Pemrograman Dasar                   | 3   | Ayu Rahmadina |
| MK006 | Pemrograman Berorientasi Objek       | 3   | Ratna Kumala |
| MK007 | Struktur Data                       | 3   | Vika Prasetyio |
| MK008 | Arsitektur Komputer                 | 2   | Vika Prasetyio |
+-----+-----+-----+-----+
7 rows in set (0.001 sec)

```

## JOIN Tabel Jadwal Mengajar, Dosen, dan Matakuliah

```

MariaDB [praktikum5]> SELECT JadwalMengajar.kd_mk, Matakuliah.nama, Matakuliah.sks, Dosen.nama AS 'Dosen Pengampu', JadwalMengajar.hari, JadwalMengajar.jam, Jadwalmengajar.ruang
-> FROM JadwalMengajar
-> INNER JOIN Dosen ON JadwalMengajar.kd_ds = Dosen.kd_ds
-> INNER JOIN Matakuliah ON JadwalMengajar.kd_mk = Matakuliah.kd_mk;
+-----+-----+-----+-----+-----+-----+-----+
| kd_mk | nama                                | sks | Dosen Pengampu | hari | jam   | ruang |
+-----+-----+-----+-----+-----+-----+-----+
| MK003 | Teknologi Basis Data                | 3   | Nofal Arianto  | Selasa | 08:00:00 | 201 |
| MK004 | Praktikum Teknologi Basis Data      | 1   | Nofal Arianto  | Rabu   | 10:00:00 | Lab. 02 |
| MK002 | Praktikum Algoritma dan Pemrograman | 1   | Ario Talib     | Senin  | 13:00:00 | Lab. 01 |
| MK005 | Pemrograman Dasar                   | 3   | Ayu Rahmadina  | Selasa | 10:00:00 | Lab. 01 |
| MK006 | Pemrograman Berorientasi Objek       | 3   | Ratna Kumala   | Kamis  | 09:00:00 | Lab. 3 |
| MK007 | Struktur Data                       | 3   | Vika Prasetyio | Rabu   | 08:00:00 | 102 |
| MK008 | Arsitektur Komputer                 | 2   | Vika Prasetyio | Kamis  | 13:00:00 | 201 |
+-----+-----+-----+-----+-----+-----+-----+
7 rows in set (0.002 sec)

```

## JOIN Tabel KRS Mahasiswa, Mahasiswa, Matakuliah dan Dosen

```

MariaDB [praktikum5]> SELECT KRSmahasiswa.nim, Tabel_mahasiswa.nama, Dosen.nama AS 'Dosen PA', Matakuliah.nama, Matakuliah.sks, Dosen.nama AS 'Dosen Pengampu'
-> FROM KRSmahasiswa
-> JOIN Mahasiswa ON KRSmahasiswa.nim = Tabel_mahasiswa.nim;
ERROR 1146 (42S02): Table 'praktikum5.mahasiswa' doesn't exist
MariaDB [praktikum5]> SELECT KRSmahasiswa.nim, Tabel_Mahasiswa.nama, Dosen.nama AS 'Dosen PA', Matakuliah.nama, Matakuliah.sks, Dosen.nama AS 'Dosen Pengampu'
-> FROM KRSmahasiswa
-> JOIN Tabel_Mahasiswa ON KRSmahasiswa.nim = Tabel_Mahasiswa.nim;
ERROR 1054 (42S22): Unknown column 'Dosen.nama' in 'field list'
MariaDB [praktikum5]> SELECT KRSmahasiswa.nim, Tabel_Mahasiswa.nama, Dosen.nama AS 'Dosen PA', Matakuliah.nama, Matakuliah.sks, Dosen.nama AS 'Dosen Pengampu'
-> FROM KRSmahasiswa
-> JOIN Tabel_Mahasiswa ON KRSmahasiswa.nim = Tabel_Mahasiswa.nim;
ERROR 1054 (42S22): Unknown column 'Dosen.nama' in 'field list'
MariaDB [praktikum5]>

```