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## Basis data pertemuan 11

### Latihan, lakukan join tabel

#### 1. mahasiswa dan dosen

select mahasiswa.nim, mahasiswa.nama, mahasiswa.jk, dosen.nama as 'dosen pa' from mahasiswa inner join dosen on mahasiswa.kd\_ds = dosen.kd\_ds;

```
MariaDB [latihan5]> select mahasiswa.nim, mahasiswa.nama, mahasiswa.jk, dosen.nama as 'dosen pa' from mahasiswa inner join
dosen on mahasiswa.kd_ds = dosen.kd_ds;
```

nim	nama	jk	dosen pa
1812345	Ari Santoso	L	Ario Talib
1923456	Amira Jarisa	P	Ratna Kumala
1956789	Dadi Martani	L	Vika Prasetyo
1967890	Bayu Laksono	L	Ratna Kumala

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

#### 2. matakuliah dan dosen

select mahasiswa.nim, mahasiswa.nama, mahasiswa.jk, dosen.nama as 'dosen pa' from mahasiswa left join dosen on mahasiswa.kd\_ds = dosen.kd\_ds;

```
MariaDB [latihan5]> select mahasiswa.nim, mahasiswa.nama, mahasiswa.jk, dosen.nama as 'dosen pa' from mahasiswa left join
dosen on 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 Sampurna	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 Prasetyo
1967890	Bayu Laksono	L	Ratna Kumala

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

#### 3. jadwalmengajar, dosen, matakuliah

SELECT jadwalmengajar.kd\_mk, matakuliah.nama as matakuliah, matakuliah.sks, dosen.nama AS 'dosen pengampu' FROM jadwalmengajar JOIN dosen ON jadwalmengajar.kd\_ds = dosen.kd\_ds JOIN matakuliah ON jadwalmengajar.kd\_mk = matakuliah.kd\_mk;

```

MariaDB [latihan5]> SELECT jadwalmengajar.kd_mk, matakuliah.nama as matakuliah, matakuliah.sks, dosen.nama AS 'dosen pengampu' FROM jadwalmengajar JOIN dosen ON jadwalmengajar.kd_ds = dosen.kd_ds JOIN matakuliah ON jadwalmengajar.kd_mk = matakuliah.kd_mk;
+-----+-----+-----+-----+
| kd_mk | matakuliah | sks | dosen pengampu |
+-----+-----+-----+-----+
| MK003 | Teknologi Basis Data | 3 | Nofal Arianto |
| MK004 | Praktikum Teknologi Basis data | 1 | Nofal Arianto |
| MK001 | Algoritma dan Pemrograman | 3 | Ario Talib |
| 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 Prasetyo |
| MK008 | Arsitektur Komputer | 2 | Vika Prasetyo |
+-----+-----+-----+-----+
8 rows in set (0.201 sec)

```

select matakuliah.kd\_mk, matakuliah.nama, matakuliah.sks, dosen.nama as 'dosen pengampu',  
jadwalmengajar.hari, jadwalmengajar.jam, jadwalmengajar.ruang from jadwalmengajar join dosen on  
jadwalmengajar.kd\_ds = dosen.kd\_ds join matakuliah on jadwalmengajar.kd\_mk =  
matakuliah.kd\_mk;

```

MariaDB [latihan5]> select matakuliah.kd_mk, matakuliah.nama, matakuliah.sks, dosen.nama as 'dosen pengampu', jadwalmengajar.hari, jadwalmengajar.jam, jadwalmengajar.ruang from jadwalmengajar join dosen on jadwalmengajar.kd_ds = dosen.kd_ds 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 |
| MK001 | Algoritma dan Pemrograman | 3 | Ario Talib | Senin | 10:00:00 | 102 |
| 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. 03 |
| MK007 | Struktur Data | 3 | Vika Prasetyo | Rabu | 08:00:00 | 102 |
| MK008 | Arsitektur Komputer | 2 | Vika Prasetyo | Kamis | 13:00:00 | 201 |
+-----+-----+-----+-----+-----+-----+-----+
8 rows in set (0.001 sec)

```

#### 4. krsmahasiswa, mahasiswa, matakuliah, dan dosen

SELECT krsmahasiswa.nim, mahasiswa.nama AS nama, matakuliah.nama AS matakuliah,  
matakuliah.sks, dosen.nama AS 'dosen pengampu' FROM krsmahasiswa JOIN mahasiswa ON  
krsmahasiswa.nim = mahasiswa.nim JOIN matakuliah ON krsmahasiswa.kd\_mk = matakuliah.kd\_mk  
JOIN dosen ON krsmahasiswa.kd\_ds = dosen.kd\_ds;

```

MariaDB [latihan5]> sELECT krsmahasiswa.nim, mahasiswa.nama AS nama, matakuliah.nama AS matakuliah, matakuliah.sks, dose n.nama AS 'dosen pengampu' FROM krsmahasiswa JOIN mahasiswa ON krsmahasiswa.nim = mahasiswa.nim JOIN matakuliah ON krsma hasiswa.kd_mk = matakuliah.kd_mk JOIN dosen ON krsmahasiswa.kd_ds = dosen.kd_ds;
+-----+-----+-----+-----+-----+
| nim | nama | matakuliah | sks | dosen pengampu |
+-----+-----+-----+-----+-----+
| 1823456 | Dina Marlina | Teknologi Basis Data | 3 | Nofal Arianto |
| 1823456 | Dina Marlina | Praktikum Teknologi Basis data | 1 | Nofal Arianto |
| 1823456 | Dina Marlina | Algoritma dan Pemrograman | 3 | Ario Talib |
| 1823456 | Dina Marlina | Praktikum Algoritma dan Pemrograman | 1 | Ario Talib |
| 1823456 | Dina Marlina | Struktur Data | 3 | Vika Prasetyo |
| 1823456 | Dina Marlina | Arsitektur Komputer | 2 | Vika Prasetyo |
+-----+-----+-----+-----+-----+
6 rows in set (0.001 sec)

```