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## Output Praktikum 5

1. Output 1

The screenshot displays the MySQL Workbench environment. At the top, the 'SQL File 4\*' editor shows a SQL script with the following content:

```

1 semester varchar(5) not null,
2 nilai varchar(10) NULL);
3
4 • INSERT INTO KRSMhs (nim, kd_mk, kd_ds, semester, nilai)
5 VALUE
6 ("1823456", "MK001", "DS002", "3", "NULL"),
7 ("1823456", "MK002", "DS002", "1", "NULL");
8
9 • desc krsmhs;
10
11 • select * from krsmhs;
12
13 • select * from krsmhs join mhs, matakuliah, dosen

```

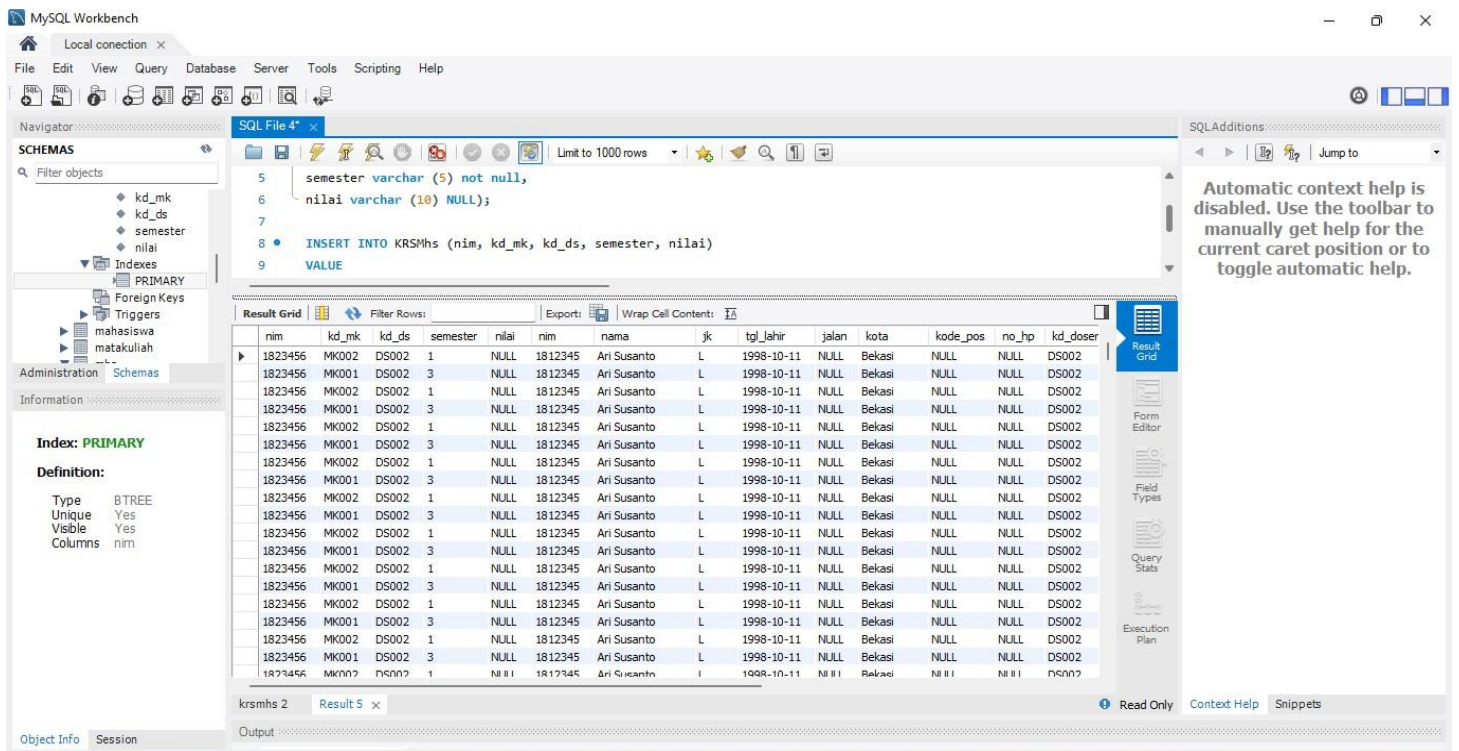
Below the SQL editor, the 'Result Grid' shows the output of the SQL script. The first table, 'krsmhs', has columns: nim, kd\_mk, kd\_ds, semester, and nilai. The second table, 'mhs', has columns: nim, nama, jk, tgl\_lahir, jalan, kota, kode\_pos, no\_hp, and kd\_doser. The third table, 'matakuliah', has columns: kd\_mk, kd\_ds, semester, and nilai. The fourth table, 'dosen', has columns: kd\_mk, kd\_ds, semester, and nilai. The result grid shows the following data:

nim	kd_mk	kd_ds	semester	nilai	nim	nama	jk	tgl_lahir	jalan	kota	kode_pos	no_hp	kd_doser
1823456	MK002	DS002	1	NULL	1812345	Ari Susanto	L	1998-10-11	NULL	Bekasi	NULL	NULL	DS002
1823456	MK001	DS002	3	NULL	1812345	Ari Susanto	L	1998-10-11	NULL	Bekasi	NULL	NULL	DS002
1823456	MK002	DS002	1	NULL	1812345	Ari Susanto	L	1998-10-11	NULL	Bekasi	NULL	NULL	DS002
1823456	MK001	DS002	3	NULL	1812345	Ari Susanto	L	1998-10-11	NULL	Bekasi	NULL	NULL	DS002
1823456	MK002	DS002	1	NULL	1812345	Ari Susanto	L	1998-10-11	NULL	Bekasi	NULL	NULL	DS002
1823456	MK001	DS002	3	NULL	1812345	Ari Susanto	L	1998-10-11	NULL	Bekasi	NULL	NULL	DS002
1823456	MK002	DS002	1	NULL	1812345	Ari Susanto	L	1998-10-11	NULL	Bekasi	NULL	NULL	DS002
1823456	MK001	DS002	3	NULL	1812345	Ari Susanto	L	1998-10-11	NULL	Bekasi	NULL	NULL	DS002
1823456	MK002	DS002	1	NULL	1812345	Ari Susanto	L	1998-10-11	NULL	Bekasi	NULL	NULL	DS002
1823456	MK001	DS002	3	NULL	1812345	Ari Susanto	L	1998-10-11	NULL	Bekasi	NULL	NULL	DS002

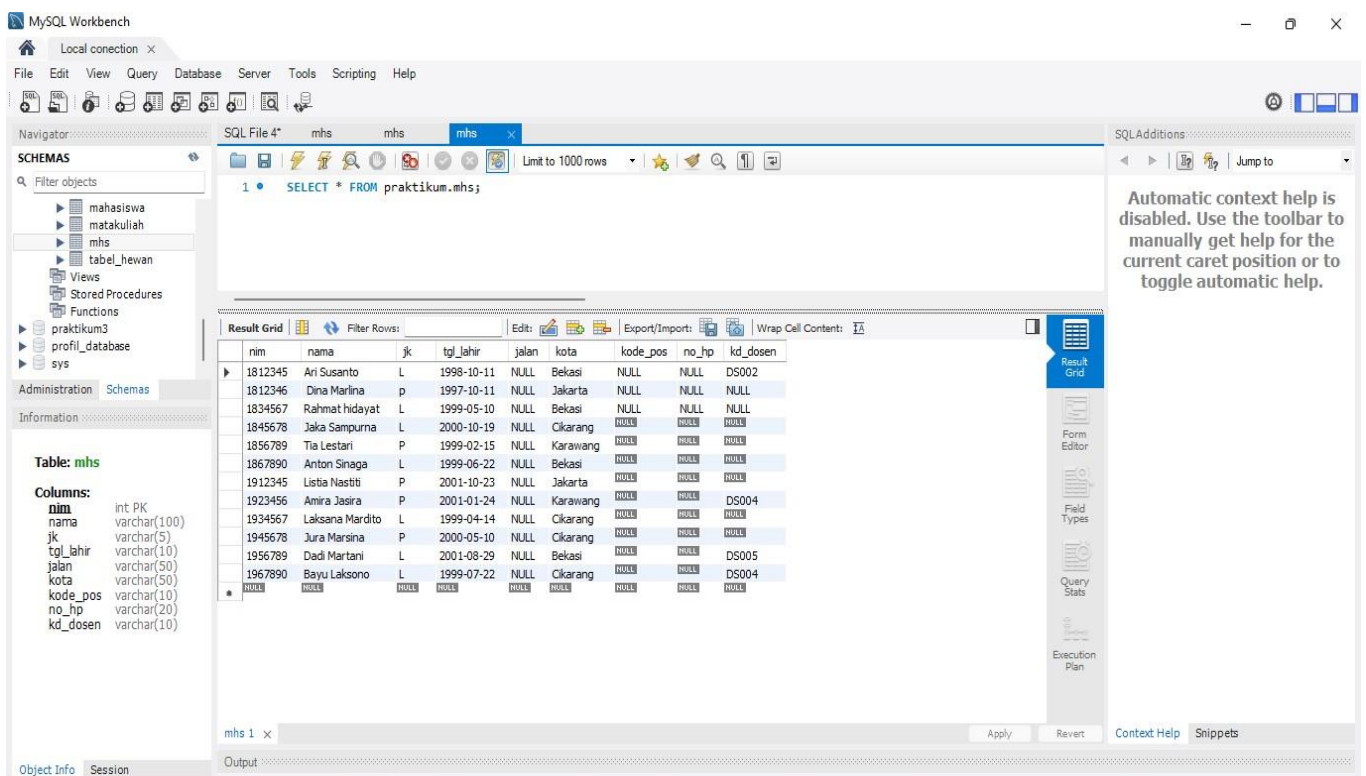
The 'Index: PRIMARY' section shows the primary key for the 'krsmhs' table, which is 'nim'. The 'Definition:' section shows the table structure for 'krsmhs'.

At the bottom, the 'Object Info' section shows the 'Session' and 'Output' tabs. The 'Output' tab is active, showing the results of the SQL script.

## 2. Output 2



### 3. Output 3



#### 4. Output 4

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'praktikum' database schema with tables like 'data\_pegawai', 'dosen', 'jadwalmengajar', and 'krsmahasiswa'. The main query editor shows the SQL statement: `SELECT * FROM praktikum.dosen;`. The 'Result Grid' displays the following data:

kd_ds	nama
DS001	Nofal Anianto
DS002	Ario Talib
DS003	Ayu rahmadina
DS004	Ratna kumala
DS005	Vika Prasetyo
NULL	NULL

The right sidebar contains a message: "Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help."

#### 5. Output 5

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'praktikum' database schema with tables like 'Columns', 'Indexes', 'Foreign Keys', 'Triggers', 'jadwalmengajar', 'krsmahasiswa', 'mahasiswa', 'matakuliah', 'mhs', and 'tabel\_hewan'. The main query editor shows the SQL statement: `SELECT * FROM praktikum.mhs;`. The 'Result Grid' displays the following data:

nim	nama	jk	tgl_lahir	jalan	kota	kode_pos	no_hp	kd_dosen
1812345	Ari Susanto	L	1998-10-11	NULL	Bekasi	NULL	NULL	DS002
1812346	Dina Marlina	P	1997-10-11	NULL	Jakarta	NULL	NULL	NULL
1834567	Rahmat Hidayat	L	1999-05-10	NULL	Bekasi	NULL	NULL	NULL
1845678	Jaka Sampurna	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	1999-06-22	NULL	Bekasi	NULL	NULL	NULL
1912345	Listia Nastiti	P	2001-10-23	NULL	Jakarta	NULL	NULL	NULL
1923456	Amira Jasira	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
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

The right sidebar contains a message: "Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help."

## 6. Output 6

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'matakuliah' selected. The main query editor contains the query: `SELECT * FROM praktikum.matakuliah;`. The 'Result Grid' shows the following data:

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

The bottom status bar shows 'matakuliah 1 x' and 'Output'.

## 7. Output 7

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'jadwalmengajar' selected. The main query editor contains the query: `SELECT * FROM praktikum.jadwalmengajar;`. The 'Result Grid' shows the following data:

kd_mk	kd_ds	hari	jam	ruang
MK001	DS002	Senin	10:00:00	102
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.03
MK007	DS005	Rabu	08:00:00	102
MK008	DS005	Kamis	13:00:00	201

The bottom status bar shows 'walmengajar 1 x' and 'Output'.



## 8. Output 8

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'mhs' selected. The main editor shows a SQL query file with the following content:

```
9  VALUE
10  ("1823456", "MK001", "DS002", "3", "NULL"),
11  ("1823456", "MK002", "DS002", "1", "NULL");
12  desc krsmhms;
13  select * from krsmhms;
```

The 'Result Grid' shows the output of the query:

nim	kd_mk	kd_ds	semester	nilai
1823456	MK001	DS002	3	NULL
1823456	MK002	DS002	1	NULL
1823456	MK003	DS002	3	NULL
1823456	MK004	DS002	3	NULL
1823456	MK007	DS002	3	NULL
1823456	MK008	DS002	3	NULL

The right sidebar contains a 'SQL Additions' panel with a message: 'Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.'

## 9. Output 9

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'praktikum' selected. The main editor shows a SQL query file with the following content:

```
12  desc krsmhms;
13  select * from krsmhms;
14
15  SELECT mhs.nim,mhs.nama,mhs.jk,dosen.nama
16  FROM mhs INNER JOIN dosen ON Dosen.kd_ds=mhs.kd_dosen;
```

The 'Result Grid' shows the output of the query:

nim	nama	jk	nama
1812345	Ari Susanto	L	Ario Talib
1923456	Amira Jasira	P	Ratna kumala
1956789	Dadi Martani	L	Vika Prasetyo
1967890	Bayu Laksono	L	Ratna kumala

The right sidebar contains a 'SQL Additions' panel with a message: 'Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.'

## 10. Output 10

MySQL Workbench interface showing a query result. The query is an INNER JOIN between the `mhs` and `dosen` tables on the condition `Dosen.kd_ds=mhs.kd_dosen`. The result grid displays the following data:

nim	nama	jk	nama
1812345	Ari Susanto	L	Ario Talib
1812346	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 Nasrati	P	NULL
1923456	Amira Jasira	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

## 11. Output 11

MySQL Workbench interface showing a query result. The query is a JOIN between the `Matakuliah` and `JadwalMengajar` tables. The result grid displays the following data:

kd_mk	nama	sks	Dosen Pengampu	hari	jam	ruang
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