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Output Praktikum 5

1. Output 1

The screenshot displays the MySQL Workbench environment. The top menu bar includes File, Edit, View, Query, Database, Server, Tools, Scripting, and Help. The left sidebar shows the 'SCHEMAS' tab with a tree view of the database structure, including tables like 'mahasiswa' and 'matakuliah', and indexes like 'PRIMARY'. The main editor window shows a SQL script for creating a table 'krsms' and inserting data. The script is as follows:

```

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 krsms;
10
11 • select * from krsms;
12
13 • select * from krsms join mhs, matakuliah, dosen

```

The bottom panel shows the 'Result Grid' with 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 right sidebar contains a 'SQLAdditions' panel with a text box stating: 'Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.'

2. Output 2

The screenshot displays the MySQL Workbench environment. At the top, the title bar reads 'MySQL Workbench'. Below it, the 'Local connection' tab is active. The main menu includes File, Edit, View, Query, Database, Server, Tools, Scripting, and Help. The Navigator pane on the left shows a tree view of the database schema, including tables like 'kd_mk', 'kd_ds', 'semester', 'nilai', 'mahasiswa', and 'matakuliah', as well as indexes and triggers. The central SQL Editor contains a 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

```

The 'Result Grid' pane at the bottom shows the execution results of the SQL script. The grid has columns for 'nim', 'kd_mk', 'kd_ds', 'semester', 'nilai', 'nama', 'jk', 'tgl_lahir', 'jalan', 'kota', 'kode_pos', 'no_hp', and 'kd_doser'. The data is organized into two main sections, each with 10 rows of student information. The first section shows students with 'nim' values from 1823456 to 1823465, and the second section shows students with 'nim' values from 1823466 to 1823475. The 'nama' column contains the name 'Ari Susanto' for all students, and the 'jk' column contains the gender 'L' for all students. The 'tgl_lahir' column contains the date '1998-10-11' for all students. The 'jalan' column contains the address 'Bekasi' for all students. The 'kota' column contains the city 'Bekasi' for all students. The 'kode_pos' column contains the postal code '11111' for all students. The 'no_hp' column contains the phone number '11111' for all students. The 'kd_doser' column contains the teacher ID '11111' for all students.

On the right side of the interface, there is a 'SQL Additions' pane with a text box containing the message: 'Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.'

The screenshot displays the MySQL Workbench environment. The top menu bar includes File, Edit, View, Query, Database, Server, Tools, Scripting, and Help. The main workspace is divided into several panes:

- Navigator:** Shows the database schema with tables like mahasiswa, matakuliah, mhs, and tabel_hewan. The 'mhs' table is selected.
- SQL Editor:** Contains the query: `SELECT * FROM praktikum.mhs;`
- Result Grid:** Displays the query results in a table format with columns: nim, nama, jk, tgl_lahir, jalan, kota, kode_pos, no_hp, kd_dosen. The data includes rows for Ari Susanto, Dina Marlina, Rahmat Hidayat, and others.
- SQLAdditions:** A sidebar on the right with a text box stating: "Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help." Below this are icons for Form Editor, Field Types, Query Stats, and Execution Plan.
- Bottom Panel:** Includes tabs for Object Info, Session, and Output. The Session tab is active, showing the current session details.

4

Output

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'praktikum' expanded, showing tables like 'data_pegawai', 'dosen', 'Columns', 'Indexes', 'Foreign Keys', 'Triggers', 'jadwalmengajar', and 'krsmahasiswa'. The 'Connection Details' panel shows the connection name 'Local connection', host '127.0.0.1', port '3306', login user 'root', current user 'root@localhost', and SSL cipher 'TLS_AES_256_G'. The 'Server' panel shows 'Product: MySQL Commun' and 'Version: 8.0.32'. The 'Connector' panel shows 'Version: C++ 8.0.32'. The main query editor shows the query 'SELECT * FROM praktikum.dosen;'. The 'Result Grid' displays the following data:

kd_ds	nama
DS001	Nofal Arianto
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 'SCHEMAS' tree with 'praktikum' expanded, showing tables like 'Columns', 'Indexes', 'Foreign Keys', 'Triggers', 'jadwalmengajar', 'krsmahasiswa', 'mahasiswa', 'matakuliah', 'mhs', and 'tabel_hewan'. The 'Connection Details' panel shows the connection name 'Local connection', host '127.0.0.1', port '3306', login user 'root', current user 'root@localhost', and SSL cipher 'TLS_AES_256_G'. The 'Server' panel shows 'Product: MySQL Commun' and 'Version: 8.0.32'. The 'Connector' panel shows 'Version: C++ 8.0.32'. The main query editor shows the query '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.

6

Output

The screenshot shows the MySQL Workbench interface. The 'Schemas' pane on the left lists the 'matakuliah' database. The 'SQL Editor' window contains the query: `SELECT * FROM praktikum.matakuliah;`. The 'Result Grid' displays 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
NULL	NULL	NULL

The 'Connection Details' pane on the left shows the connection name 'Local connection', host '127.0.0.1', port '3306', and user 'root'. The 'Output' pane at the bottom shows the query execution results.

7. Output 7

The screenshot shows the MySQL Workbench interface. The 'Schemas' pane on the left lists the 'jadwalmengajar' database. The 'SQL Editor' window contains the query: `SELECT * FROM praktikum.jadwalmengajar;`. The 'Result Grid' displays 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
NULL	NULL	NULL	NULL	NULL

The 'Connection Details' pane on the left shows the connection name 'Local connection', host '127.0.0.1', port '3306', and user 'root'. The 'Output' pane at the bottom shows the query execution results.

8.

8

Output

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 krsmh;
13 select * from krsmh;
```

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 bottom status bar shows 'Object Info' and 'Session' tabs.

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 krsmh;
13 select * from krsmh;
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 bottom status bar shows 'Object Info' and 'Session' tabs.

10.

10

Output

MySQL Workbench interface showing a query result grid. The query is an INNER JOIN between mhs and dosen tables. The result grid displays columns: nim, nama, jk, and nama. The data is as follows:

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 Nastiti	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 grid. The query is a JOIN between Matakuliah and Dosen tables. The result grid displays columns: kd_mk, nama, sks, Dosen Pengampu, hari, jam, and ruang. The data is as follows:

kd_mk	nama	sks	Dosen Pengampu	hari	jam	ruang
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