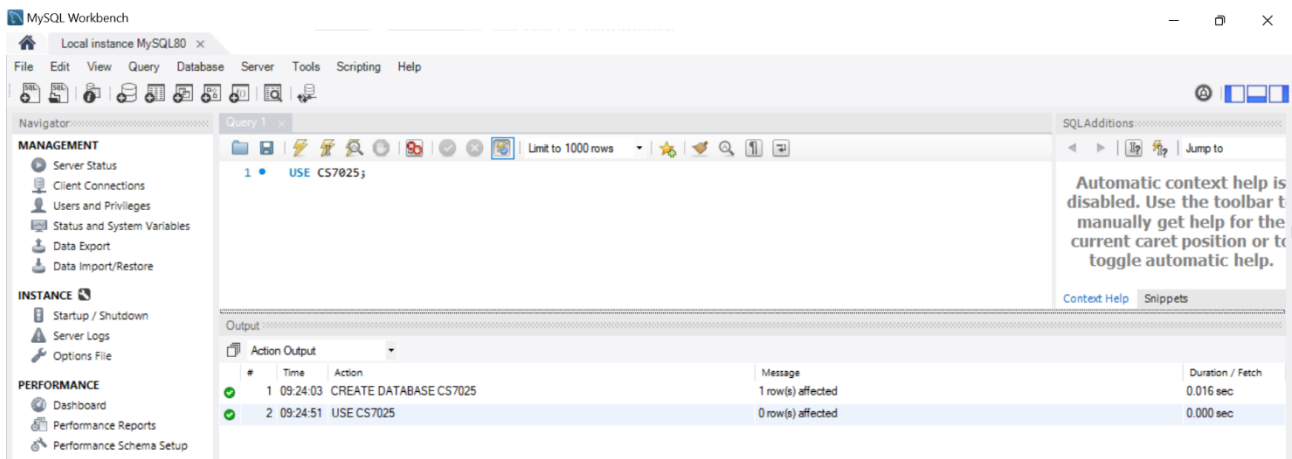


## CS7025 – LAB 8 – 21/11/2024

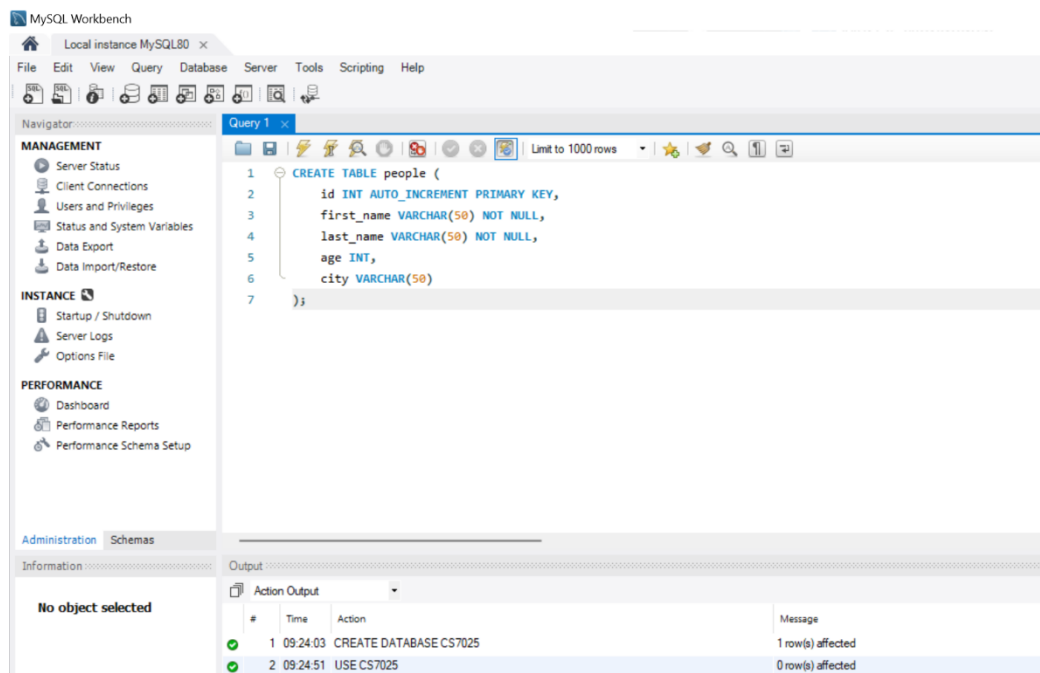
Use SQL to

1. Populate the people table with at least 5 records
2. Read all the records from the table
3. Create a table called 'Roles' with the following fields/columns:
  - 'role\_id' with a datatype of int, make it the primary key for this table and automatically increment this field
  - 'role\_name'
4. Update and delete some records

*First, I created a database and selected it for use.*



1.



MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

Administration Schemas

Information

No object selected

Query 1 x

```

1 • INSERT INTO people (first_name, last_name, age, city) VALUES
2   ('Taylor', 'Swift', 34, 'New York'),
3   ('Selena Gomez', 'Gomez', 32, 'Los Angeles'),
4   ('Margot', 'Robbie', 34, 'Chicago'),
5   ('Diana', 'Lee', 31, 'San Francisco'),
6   ('Edward', 'Clark', 40, 'Seattle');
7

```

Output

Action Output

#	Time	Action	Message
1	09:24:03	CREATE DATABASE CS7025	1 row(s) affected
2	09:24:51	USE CS7025	0 row(s) affected
3	09:32:21	CREATE TABLE people (id INT AUTO_INCREMENT PRIMARY KEY, first_name VAR...	0 row(s) affected
4	09:34:58	INSERT INTO people first_name, last_name, age, city) VALUES (Taylor', 'Swift', 34, 'Ne...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0

2.

MySQL Workbench

Local instance MySQL80 x

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MANAGEMENT

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- Data Export
- Data Import/Restore

INSTANCE

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Administration Schemas

Information

No object selected

Query 1 x

```

1 • SELECT * FROM people;

```

Result Grid

id	first_name	last_name	age	city
1	Taylor	Swift	34	New York
2	Selena Gomez	Gomez	32	Los Angeles
3	Margot	Robbie	34	Chicago
4	Diana	Lee	31	San Francisco
5	Edward	Clark	40	Seattle

people 1 x

Output

Action Output

#	Time	Action	Message
1	09:24:03	CREATE DATABASE CS7025	1 row(s) affected
2	09:24:51	USE CS7025	0 row(s) affected
3	09:32:21	CREATE TABLE people (id INT AUTO_INCREMENT PRIMARY KEY, first_name ...	0 row(s) affected
4	09:34:58	INSERT INTO people first_name, last_name, age, city) VALUES (Taylor', 'Swift', 34, ...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0
5	09:35:30	SELECT * FROM people LIMIT 0, 1000	5 row(s) returned

3.

MySQL Workbench

Local instance MySQL80 x

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MANAGEMENT

- Server Status
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- Data Import/Restore

INSTANCE

- Startup / Shutdown
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- Options File

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- Dashboard
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Administration Schemas

Query 1

```

1 CREATE TABLE Roles (
2     role_id INT AUTO_INCREMENT PRIMARY KEY,
3     role_name VARCHAR(100) NOT NULL
4 );
5

```

Output

Action Output

#	Time	Action	Message
1	09:24:03	CREATE DATABASE CS7025	1 row(s) affected
2	09:24:51	USE CS7025	0 row(s) affected
3	09:32:21	CREATE TABLE people (id INT AUTO_INCREMENT PRIMARY KEY, first_name ...	0 row(s) affected
4	09:34:58	INSERT INTO people first_name, last_name, age, city) VALUES (Taylor', 'Swift', 34, ...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0
5	09:35:30	SELECT * FROM people LIMIT 0, 1000	5 row(s) returned
6	09:37:34	CREATE TABLE Roles ( role_id INT AUTO_INCREMENT PRIMARY KEY, role_...	0 row(s) affected

MySQL Workbench

Local instance MySQL80 x

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- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

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- Startup / Shutdown
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- Options File

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Administration Schemas

Query 1

```

1 INSERT INTO Roles (role_name) VALUES
2     ('Admin'),
3     ('Editor'),
4     ('Viewer'),
5     ('Contributor'),
6     ('Moderator');
7

```

Output

History Output

Date	Time	SQL
2024-11-24	09:38:42	INSERT INTO Roles (role_name) VALUES ('Admin'), ('Editor'), ('Viewer'), ('Contributor'), ('Moderator')
	09:38:31	Admin
	09:37:34	CREATE TABLE Roles ( role_id INT AUTO_INCREMENT PRIMARY KEY, role_name VARCHAR(100) NOT NULL )
	09:35:30	SELECT * FROM people
	09:34:58	INSERT INTO people first_name, last_name, age, city) VALUES (Taylor', 'Swift', 34, 'New York'), (Selena Gomez', 'Gomez', 32, 'Los An
	09:32:21	CREATE TABLE people (id INT AUTO_INCREMENT PRIMARY KEY, first_name VARCHAR(50) NOT NULL, last_name VARCH
	09:24:51	USE CS7025

Object Info Session

4.

MySQL Workbench

Local instance MySQL80 x

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Navigator

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
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- Performance Reports
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Administration Schemas

Information

No object selected

Query 1

```
1 UPDATE Roles
2 SET role_name = 'Reader'
3 WHERE role_id = 3;
```

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	09:40:32	UPDATE Roles SET role_name = 'Reader' WHERE role_name = 'Viewer'	Error Code: 1175. You are using safe update mode and you tried to update a table with...	0.000 sec
2	09:40:54	UPDATE Roles SET role_name = 'Reader' WHERE role_name = 'Viewer'	Error Code: 1175. You are using safe update mode and you tried to update a table with...	0.016 sec
3	09:41:36	UPDATE Roles SET role_name = 'Reader' WHERE role_id = 3	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.032 sec

MySQL Workbench

Local instance MySQL80 x

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MANAGEMENT

- Server Status
- Client Connections
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- Status and System Variables
- Data Export
- Data Import/Restore

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Administration Schemas

Information

No object selected

Query 1

```
1 DELETE FROM Roles
2 WHERE role_id = 4;
```

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	09:40:32	UPDATE Roles SET role_name = 'Reader' WHERE role_name = 'Viewer'	Error Code: 1175. You are using safe update mode and you tried to update a table with...	0.000 sec
2	09:40:54	UPDATE Roles SET role_name = 'Reader' WHERE role_name = 'Viewer'	Error Code: 1175. You are using safe update mode and you tried to update a table with...	0.016 sec
3	09:41:36	UPDATE Roles SET role_name = 'Reader' WHERE role_id = 3	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.032 sec
4	09:42:08	DELETE FROM Roles WHERE role_name = 'Contributor'	Error Code: 1175. You are using safe update mode and you tried to update a table with...	0.000 sec
5	09:42:47	DELETE FROM Roles WHERE role_id = 4	1 row(s) affected	0.016 sec