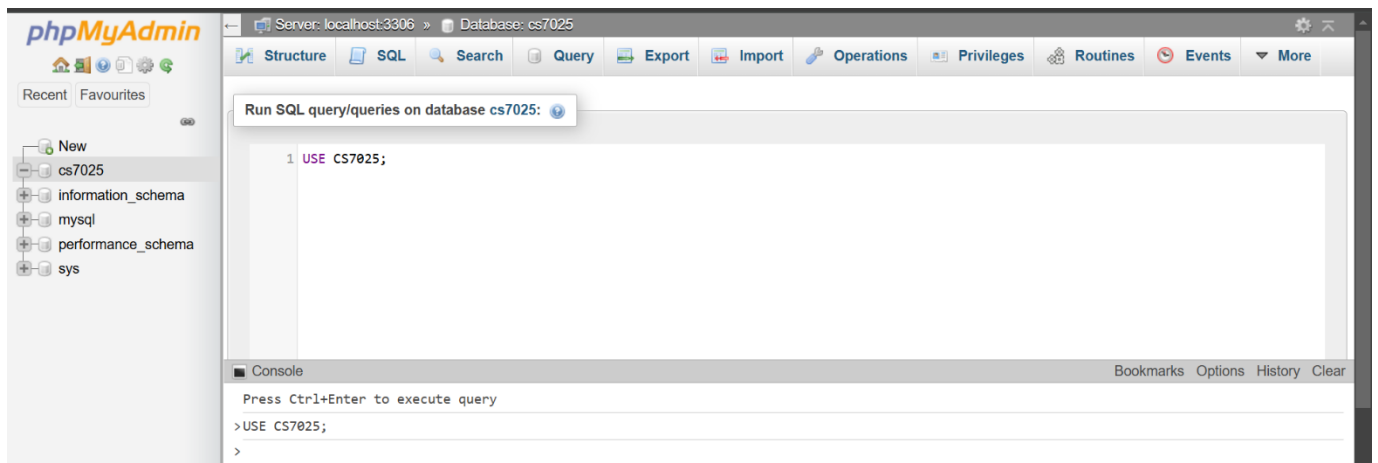


## CS7025 – LAB 8 – 21/11/2024

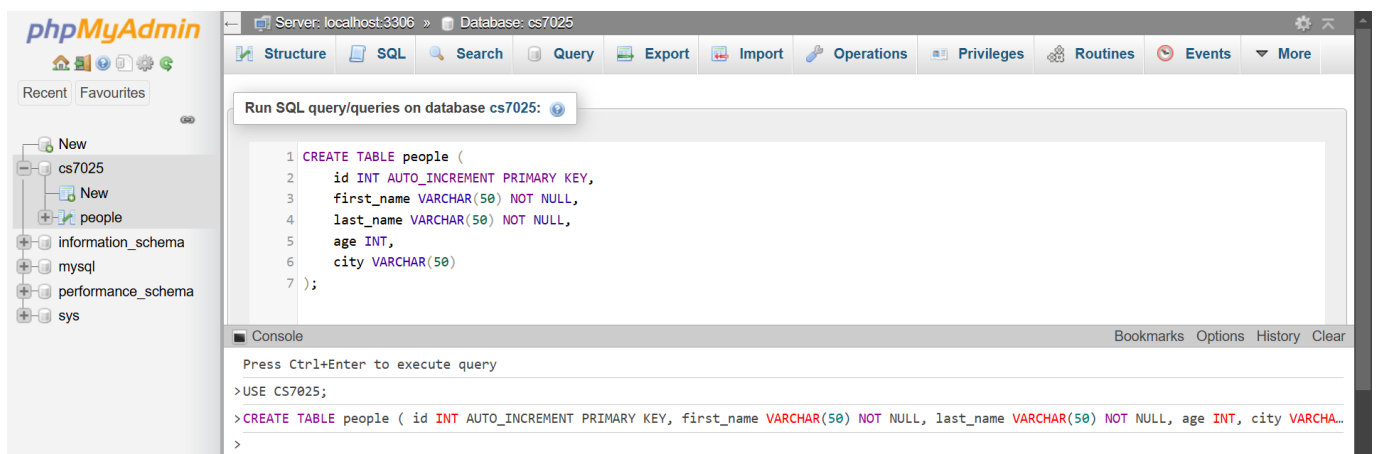
Use SQL to

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.



phpMyAdmin

Server: localhost:3306 > Database: cs7025

Structure SQL Search Query Export Import Operations Privileges Routines Events More

Run SQL query/queries on database cs7025:

```

1 INSERT INTO people (first_name, last_name, age, city) VALUES
2 ('Taylor', 'Swift', 34, 'New York'),
3 ('Bob', 'Smith', 34, 'Los Angeles'),
4 ('Charlie', 'Brown', 23, 'Chicago'),
5 ('Diana', 'Lee', 31, 'San Francisco'),
6 ('Edward', 'Clark', 40, 'Seattle');
7

```

Console

Press Ctrl+Enter to execute query

```

>USE CS7025;
>CREATE TABLE people ( id INT AUTO_INCREMENT PRIMARY KEY, first_name VARCHAR(50) NOT NULL, last_name VARCHAR(50) NOT NULL, age INT, city VARCHA...
>INSERT INTO people (first_name, last_name, age, city) VALUES ('Taylor', 'Swift', 34, 'New York'), ('Bob', 'Smith', 34, 'Los Angeles'), ('Charl...

```

2.

phpMyAdmin

Server: localhost:3306 > Database: cs7025 > Table: people

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Hide query box

Showing rows 0 - 4 (5 total, Query took 0.0042 seconds.)

SELECT \* FROM people;

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

	id	first_name	last_name	age	city
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	Taylor	Swift	34	New York
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	Bob	Smith	34	Los Angeles
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3	Charlie	Brown	23	Chicago
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	4	Diana	Lee	31	San Francisco
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	5	Edward	Clark	40	Seattle

Console

```

>USE CS7025;
>CREATE TABLE people ( id INT AUTO_INCREMENT PRIMARY KEY, first_name VARCHAR(50) NOT NULL, last_name VARCHAR(50) NOT NULL, age INT, city VAR...
>INSERT INTO people (first_name, last_name, age, city) VALUES ('Taylor', 'Swift', 34, 'New York'), ('Bob', 'Smith', 34, 'Los Angeles'), ('Ch...
>SELECT * FROM people;

```

3.

phpMyAdmin

Server: localhost:3306 > Database: cs7025

Structure SQL Search Query Export Import Operations Privileges Routines Events More

Run SQL query/queries on database cs7025:

```

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

```

Console

Press Ctrl+Enter to execute query

```

>USE CS7025;
>CREATE TABLE people ( id INT AUTO_INCREMENT PRIMARY KEY, first_name VARCHAR(50) NOT NULL, last_name VARCHAR(50) NOT NULL, age INT, city VARCHA...
>INSERT INTO people (first_name, last_name, age, city) VALUES ('Taylor', 'Swift', 34, 'New York'), ('Bob', 'Smith', 34, 'Los Angeles'), ('Charl...
>SELECT * FROM people;
>CREATE TABLE Roles ( role_id INT AUTO_INCREMENT PRIMARY KEY, role_name VARCHAR(100) NOT NULL );

```

phpMyAdmin

Server: localhost:3306 Database: cs7025

Structure SQL Search Query Export Import Operations Privileges Routines Events More

Run SQL query/queries on database cs7025:

```

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

```

Console

Press Ctrl+Enter to execute query

```

>USE CS7025;

>CREATE TABLE people ( id INT AUTO_INCREMENT PRIMARY KEY, first_name VARCHAR(50) NOT NULL, last_name VARCHAR(50) NOT NULL, age INT, city VARCHAR(50) NOT NULL);
>INSERT INTO people (first_name, last_name, age, city) VALUES ('Taylor', 'Swift', 34, 'New York'), ('Bob', 'Smith', 34, 'Los Angeles'), ('Charlie', 'Brown', 34, 'Los Angeles');
>SELECT * FROM people;

>CREATE TABLE Roles ( role_id INT AUTO_INCREMENT PRIMARY KEY, role_name VARCHAR(100) NOT NULL );
>INSERT INTO Roles (role_name) VALUES ('Admin'), ('Editor'), ('Viewer'), ('Contributor'), ('Moderator');
>

```

4.

phpMyAdmin

Server: localhost:3306 Database: cs7025

Structure SQL Search Query Export Import Operations Privileges Routines Events Triggers

Run SQL query/queries on database cs7025:

```

1 UPDATE Roles
2 SET role_name = 'Reader'
3 WHERE role_id = 3;
4
5
6

```

Console

Press Ctrl+Enter to execute query

```

>USE CS7025;

>CREATE TABLE people ( id INT AUTO_INCREMENT PRIMARY KEY, first_name VARCHAR(50) NOT NULL, last_name VARCHAR(50) NOT NULL, age INT, city VARCHAR(50) NOT NULL);
>INSERT INTO people (first_name, last_name, age, city) VALUES ('Taylor', 'Swift', 34, 'New York'), ('Bob', 'Smith', 34, 'Los Angeles'), ('Charlie', 'Brown', 34, 'Los Angeles');
>SELECT * FROM people;

>CREATE TABLE Roles ( role_id INT AUTO_INCREMENT PRIMARY KEY, role_name VARCHAR(100) NOT NULL );
>INSERT INTO Roles (role_name) VALUES ('Admin'), ('Editor'), ('Viewer'), ('Contributor'), ('Moderator');
>UPDATE Roles SET role_name = 'Reader' WHERE role_id = 3;

```

phpMyAdmin

Server: localhost:3306 Database: cs7025

Structure SQL Search Query Export Import Operations Privileges Routines Events More

Run SQL query/queries on database cs7025:

```

1 DELETE FROM Roles
2 WHERE role_id = 4;
3
4

```

Console

Press Ctrl+Enter to execute query

```

>USE CS7025;

>CREATE TABLE people ( id INT AUTO_INCREMENT PRIMARY KEY, first_name VARCHAR(50) NOT NULL, last_name VARCHAR(50) NOT NULL, age INT, city VARCHAR(50) NOT NULL);
>INSERT INTO people (first_name, last_name, age, city) VALUES ('Taylor', 'Swift', 34, 'New York'), ('Bob', 'Smith', 34, 'Los Angeles'), ('Charlie', 'Brown', 34, 'Los Angeles');
>SELECT * FROM people;

>CREATE TABLE Roles ( role_id INT AUTO_INCREMENT PRIMARY KEY, role_name VARCHAR(100) NOT NULL );
>INSERT INTO Roles (role_name) VALUES ('Admin'), ('Editor'), ('Viewer'), ('Contributor'), ('Moderator');
>UPDATE Roles SET role_name = 'Reader' WHERE role_id = 3;
>DELETE FROM Roles WHERE role_id = 4;
>

```