MIS 3306 Database Management Systems

Module 8-3 Exercise

Required for Grading (Type Your Name Below):

I am Riyan Rattan (type your full name) and I complete this assignment following the UHD academic integrity policy.

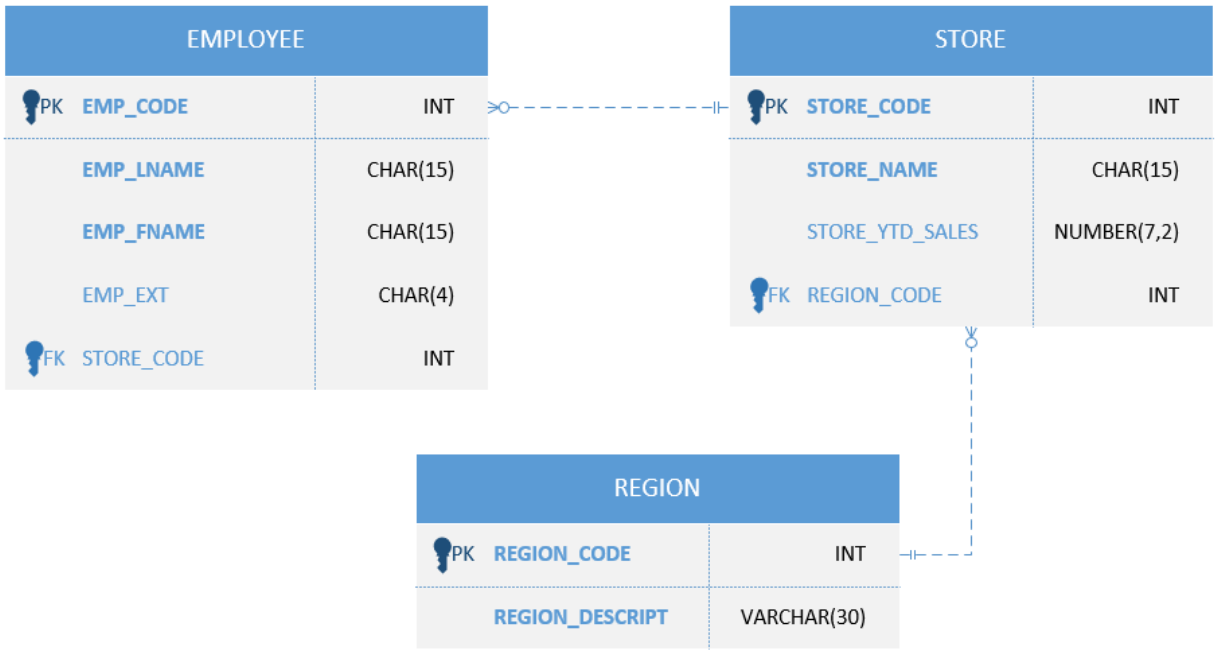
Read Before Starting this Assignment:

- You must complete Exercise 8-1 to do this exercise.
- When in doubt, refer to and modify the SQL codes in Exercise 8-2.
- Keep in mind that the database server will NOT keep a copy of your SQL codes. The database server simply executes the commands that you send from your client (Workbench). Therefore, in Workbench, please **save your SQL codes as SQL script files (*.sql)**. The *.sql files will become your template for later exercises or a backup.
    - Common practice is to place all create-table commands in one *.sql file and all insert-data commands in another *.sql file.
- Your answer is required when you see the red answer box like the box below.

Answer here:

<<This is an example. Answer whenever you see this.>>

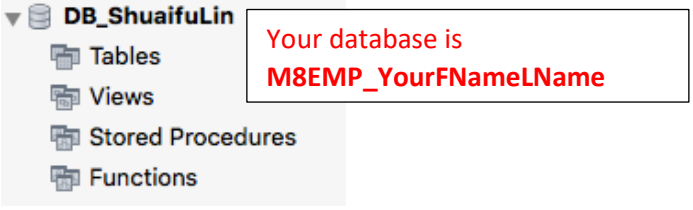
You are implementing a database. The ERD is presented as the figure below. Follow the following three steps to create a database, make tables, and insert data in your MySQL database server.



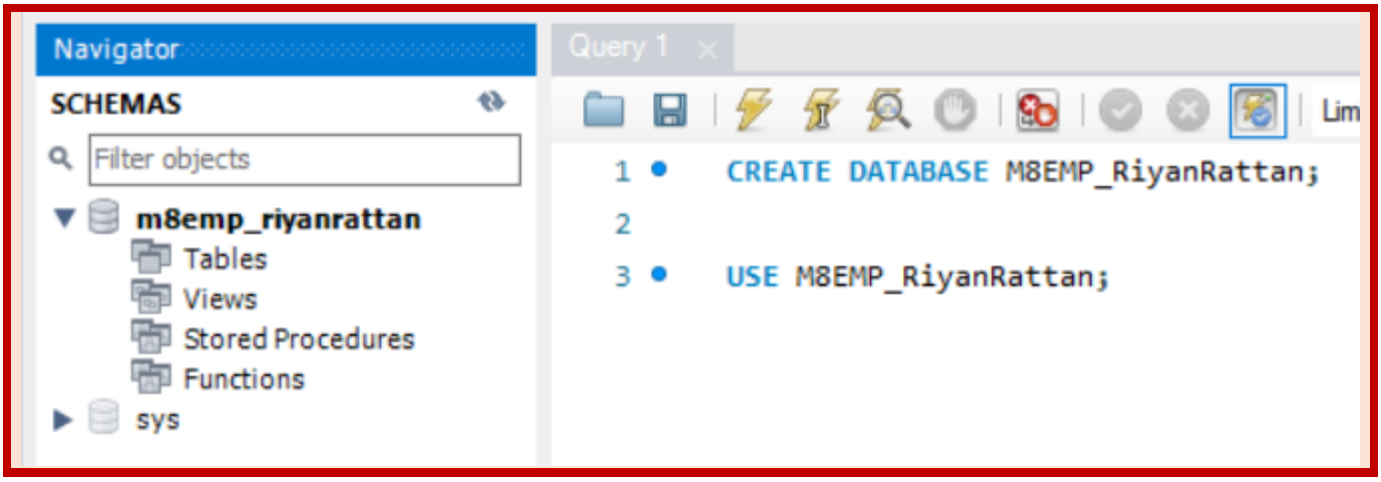
Note: Required fields are noted with **Bold** font.

Step 1: Create the database. (10 points)

In your MySQL database server, create and use a database for this exercise. The database should be different from the Exercise 8-2 database. Name your database as **M8EMP_YourFNameLName** (replace with your first name and last name; required for grading). After refreshing the schemas, you should see your database (schema) in **bold**, which means it is in use. All the later SQL statements will be sent to and executed here. Use the **Snipping** or **Grab** app to capture your database like the image below (certainly your database name and table names are different). Paste it as your answer.



Answer here:
Grading requirement: The image should clearly show your database name, which should be **M8EMP_YourFNameLName**.



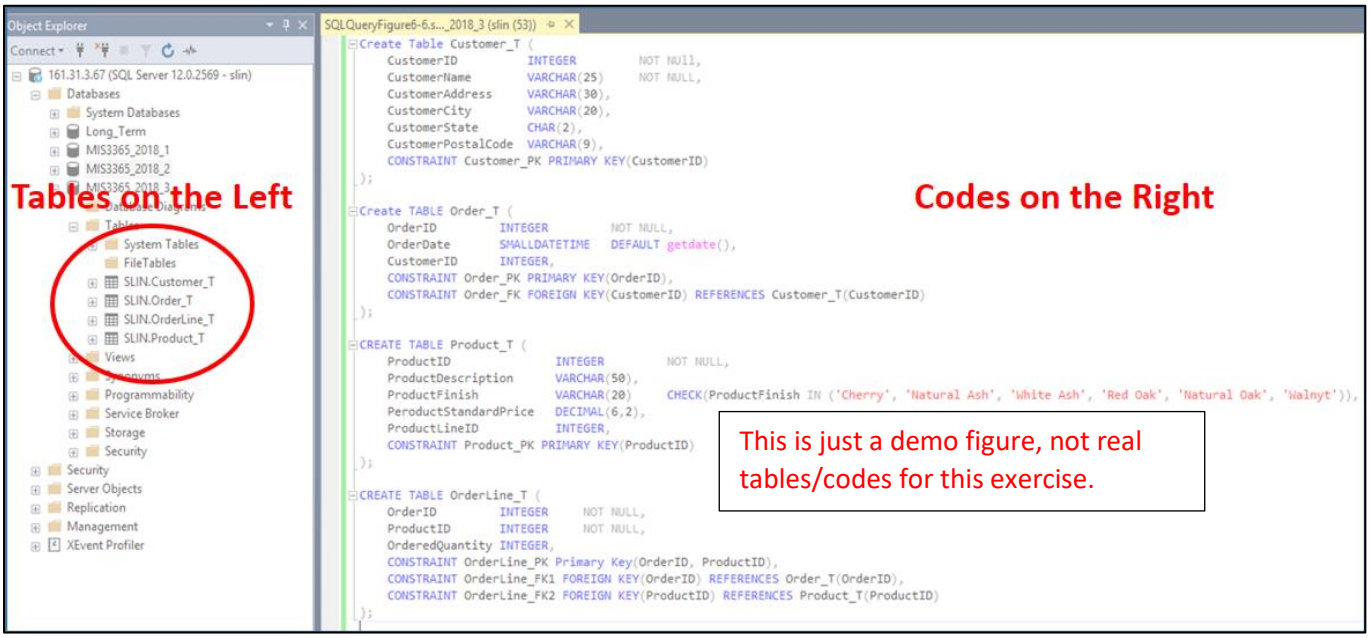
Step 2: Create Tables and Relationships. (15 points)

Create the tables and relationships depicted in the ERD.

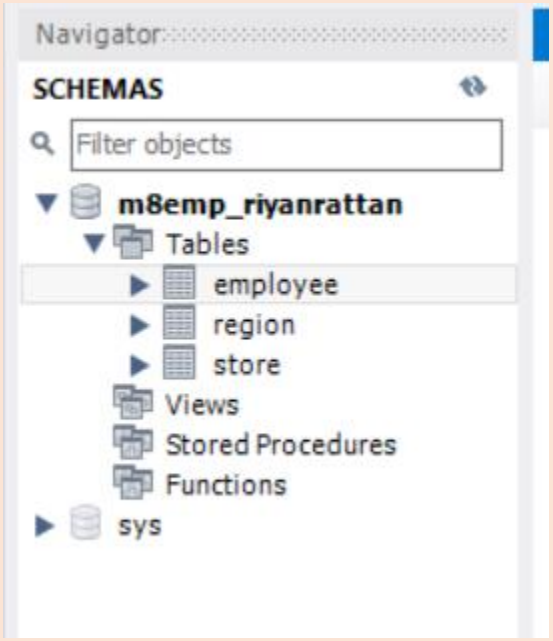
When you are writing the SQL code, ensure that if a Region_Code in REGION is changed, the Region_Code in STORE will **also be updated**.

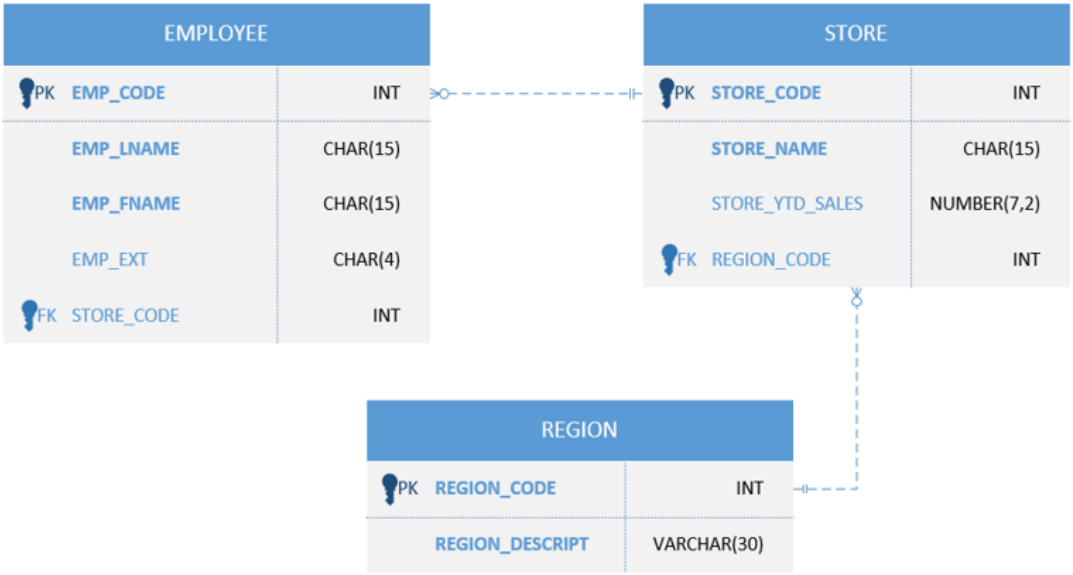
After refreshing the schemas, use the Snipping or Grab app to capture your database like the image below (certainly your database name and table names are different). Your screen capture should show your tables on the left and your codes on the right (partial codes is fine). Paste your screenshot below.

Paste it as your answer.



Answer here:
To receive grades, your image should clearly show **M8EMP_YourFNameLName** as the database name, the **three tables** (EMP, STORE, REGION) that you created, and the **SQL codes** (partial codes will be fine) on the right.





Year to date (YTD) refers to **the period of time beginning the first day of the current calendar year or fiscal year up to the current date**.

Step 2: Insert Data. (15 points)

Insert data at least three rows per table. In the EMPLOYEE table, data for one of the employees should be your first name and last name (required for grading). Pay attention to the data type when inserting data.

From your schema, click the EMPLOYEE table, right click, and choose "Select Rows – Limit 1000". Use the Snipping or Grab app to capture your table result. Paste it as your answer.

Answer here:
To receive grades, in the EMPLOYEE table, data for one of the employees should be **your first name and last name**.

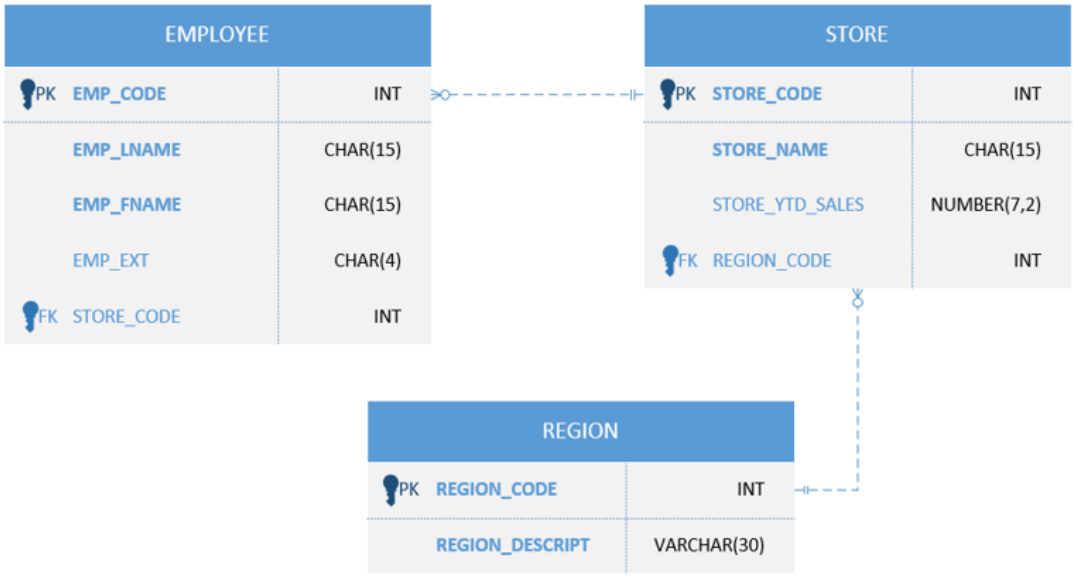
Result Grid | Filter Rows: | Edit: | Export

EMP_CODE	EMP_LNAME	EMP_FNAME	EMP_EXT	STORE_CODE
1	RATTAN	RIYAN	7222	220
2	RATTAN	RIYAN	7222	210
3	RATTAN	RIYAN	7222	200
4	SEACREST	RYAN	7222	201
5	REYNOLDS	RYAN	7222	211
6	RATTAN	RIYAN	7222	221
NULL	NULL	NULL	NULL	NULL

```
INSERT INTO REGION VALUES (1235, 'NORTH');
INSERT INTO REGION VALUES (9738, 'SOUTH');
INSERT INTO REGION VALUES (4566, 'WEST');

INSERT INTO STORE VALUES (201, 'TARGET', 5.25, 1235);
INSERT INTO STORE VALUES (211, 'WALMART', 7.19, 9738);
INSERT INTO STORE VALUES (221, 'HEB', 7.26, 4566);

INSERT INTO EMPLOYEE VALUES (004, 'SEACREST', 'RYAN', 7222, 201);
INSERT INTO EMPLOYEE VALUES (005, 'REYNOLDS', 'RYAN', 7222, 211);
INSERT INTO EMPLOYEE VALUES (006, 'RATTAN', 'RIYAN', 7222, 221);
```



DECIMAL(*size*, *d*)	An exact fixed-point number. The total number of digits is specified in *size*. The number of digits after the decimal point is specified in the *d* parameter. The maximum number for *size* is 65. The maximum number for *d* is 30. The default value for *size* is 10. The default value for *d* is 0.
DEC(*size*, *d*)	Equal to DECIMAL(size,d)

Congrats! End of Exercise!