Database Design

We have a store management application "تطبيق إدارة مخازن" and we need to design a database for it. Let's call this database "store_management".

Our stores are located in different governorates around Egypt.

Each store has (name - address).

Products in these stores come from different suppliers.

Each supplier has (name - phone - email - brief data).

And Each product has (name - code - description - price).

Take the following notes into consideration:

- 1- Any governorate can have many stores. M:M
- 2- Any specific product comes from only one supplier.1:1
- 3- Any specific product can be found in many stores. 1:m

Use the same database that we used in the lecture:

- 1- from "orderdetails" table. Write a query to get all order numbers (without repetition) that contain any product starting with code S18 and price more than 100.
- 2- from "payments" table. Write a query to get all payments that were made on day 5 or 6 (whatever month or year).
- 3- from "customers" table. Write a query to get the fifth-highest credit limit of the customers who (live in the USA and their phone number contains 5555).

Notes:

- 1- save the queries that you wrote in a SQL file "design.sql".
- 2- take a screenshot from the ERD (the designer tab in PHPMyAdmin) "erd.png/jpg ...".
- 3- put design.sql and ERD in your folder and upload it.