



Lab 6 - DDL and DML 1



Instructions

Lab 6

Summary

Based on the included physical ERD, create an SQL script to generate all the tables and relationships. You MUST create the primary and foreign constraints. You must also create insert, update and delete commands.

Submission

A single text file named as follows: lastname_firstname_lab6.txt

You must include your name and student number in the text document as proper SQL comments. You must comment each section appropriately.

```
-- Joe student
-- 0123456789

-- Create sample table
CREATE TABLE sample (
    id INT auto_increment PRIMARY KEY,
    col1 VARCHAR(50)
);

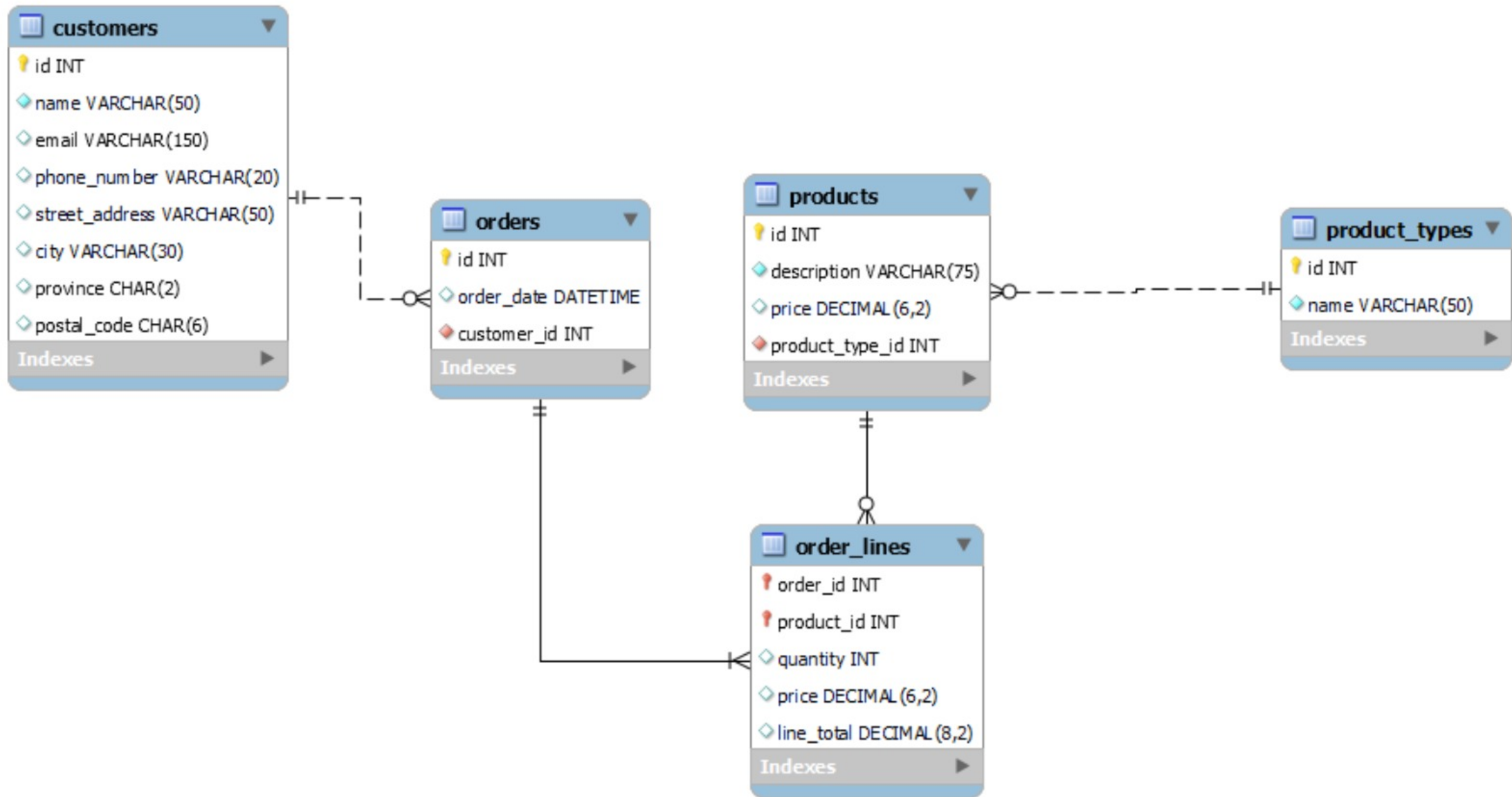
-- Inserting row
INSERT INTO samples (col1) VALUES ('abc');
```

Scoring

The sql script will be scored out of 23 points as follows:

- 5 points for the table creation scripts. 5 having no defects and the score will be reduced depending on the severity of the defects.
- 5 points for inserting the customers correctly
- 3 points for inserting the product type correctly
- 6 points for inserting the records in the products table
- 2 points for the update commands
- 2 points for the delete command(s)

Diagram



Detailed tasks

You must do the following:

- Create a script that creates the database tables.
- Insert at least 5 records into the customers table that populate all the columns
- Insert the following products types into the product_types table:
 - Software
 - Hardware
 - Service
- Insert 6 records into the products table as follows:
 - "Windows", product type references software as inserted in the task 3
 - "Visual Studio", product type references software as inserted in the task 3
 - "Mouse", product type references hardware as inserted in the task 3
 - 3 other rows of data with the data of your choice, however they must reference product types from task 2.
- Update 2 customers.
 - One must update the phone number to a new number
 - One must update the postal_code
- Delete the product type "Software". You must handle any dependencies.

Submissions

No submissions yet. Drag and drop to upload your assignment below.

Drop files here, or click below!



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You can upload files up to a maximum of 2 GB. This is the maximum size allowed by D2L and can't be increased. If you need to share larger files with your learners, we recommend using OneDrive and sharing the link to the file instead.



Activity Details

- Task: Submit to complete this assignment