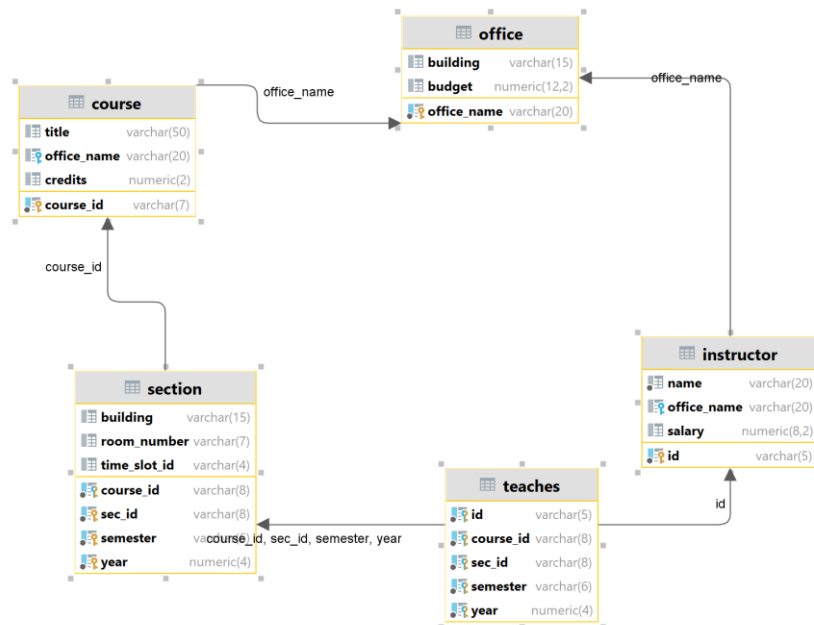


ASSIGNMENT 3

Please write your answers to the pdf file for defence:

1. Explain the difference between DDL and DML, give the following examples:
 - a. at least 3 DDL commands;
 - b. at least 4 DML commands.
2. Write SQL statements to create tables in the figure below:



3. Write SQL statements describing tables with appropriate **data types** and **constraints** satisfying the following conditions (*maybe you need additional tables to store data **atomically** and **efficiently***):
 - a. a students table storing data such as full name, age, birth date, gender, average grade, nationality, phone number, social category.
 - b. an instructors table storing data such as full name, speaking languages, work experience, the possibility of having remote lessons.
 - c. a student relatives table storing data such as full name, address, phone number, position.
 - d. student social data table storing data such as school, graduation data, address, region, country, gpa, honors.
4. Give examples of insertion, update and deletion of data on tables from exercise 2.

Note: you can test your queries in datagrip