Databases – Session 2: DB creation

From a DB already designed in the classroom sessions, connect to the DBMS using MySQL Workbench, create a new schema and the required tables for each database, fill them with some valid sample data and generate a Self-Contained SQL file for each database through the Data Export tool.

2.1 Creation

Connect to the DBMS, create a new schema and the required tables, specifying columns with domains and restrictions, primary keys and foreign keys.

2.2 Population

Connect to the DBMS and populate the tables of the new schema with valid sample data (insert at least two rows in each table).

2.3 Data Export

Using the Data Export option, export the selected Schema and its contents to a Self-Contained SQL file named with the same name that the schema and with the .sql extension.

Using reverse engineering, generate the Workbench model from the database and save it to a file named as the schema and with the .mwb extension.

Procedure

The lecturer will propose three exercises (specified during the session) on database design problems already seen in the classroom lectures.

The first exercise will be conducted by the lecturer.

During the session, you must show the second database (once created) to the lecturer.

You must also show the third database before the end of the session.

Submission

Submit the Self-Contained SQL files (3 files, not a unique compressed file) and the 3 MWB files, through the corresponding task in Aula Virtual by the end of the lab session.