CIFP Francesc de Borja Moll - ASIX
Course: Database management
Unit: Introduction to SQL
Test

Create a PDF document with screenshots proving that you have followed each of the following 20 steps. Use numbers in the PDF document to show which screenshot correspond to each step.

1.- Create a docker container with an image of mysql. Use an environment variable to set the password and run the container in detached mode.
2.- Find the ip address of the container.
3.- Connect to the mysql server.
4.- Create a database. Create the tables department and instructor. Including primary keys and foreign keys. department(dept_name, building, budget), instructor(ID, name, dept_name, salary).
5.- Fill in the tables with data. At least one row for each table.
6.- Delete a row from a table.
7.- Add a column to a table.
8.- Drop a column from a table.
9.- Exit the mysql client.
10.- Stop the container.
11.- Delete the container.
12.- Create a mysql docker container with a volume to map a folder with the university.sql script to /docker-entrypoint-initdb.d
13.- Verify that you have the university database and all the tables.
14.- Show the name of the instructors of the Comp. Sci. department with a salary lower than 80000.
15.- List the name of the instructors and the building they are working in.
16.- List the names of the departments that don't have the highest budget. Avoid the repetition of names in the list.
17.- Create the emp_super table. Select the supervisee of the supervisee of the supervisee of Mary.

person	supervisor
Bob	Alice
Mary	Susan
Alice	David

David	Mary

18.- List the names of the instructors that finish with the letter 'n'.

19.- List the names of the instructors that have four or more letters.

20.- List the names of the departments in order, from the highest budget to the lowest.