

Big Data Infrastructures

SQL Review

– Readme –

1. The following files have been attached

- (a) *Create.sql*, this file contains the code necessary for the creation of the database and the relationship between the tables.
- (b) *Queries.sql*, this file contains the code that resolves the queries requested in practice.
- (c) *BDI_SQLReview*, java project for the generation of data to populate the tables.

2. Create.sql & Queries.sql

The execution of the files was done using *PgAdmin4*.

3. BDI_SQLReview

- (a) This project was done in *IntelliJ Idea*.
- (b) The directory structure is standard (maven).
- (c) The *Faker* library was used to generate the random data (pom.xml).
- (d) The *DAO* design pattern is used to access the data.
- (e) To simplify operations (create or delete data in tables) the *Facade* pattern has been used.
- (f) The execution is done by starting the *App.java* class.