Lab #5 – Create/Insert/Load – 1h30

Experiment Transaction

1. Open two MySQL client : 1 Workbench and 1 PhpMyAdmin or 2 Workbench, or 1 Workbench and 1 Dbeaver…

   On client 1, start a new transaction :
   SET SESSION TRANSACTION ISOLATION LEVEL READ COMMITTED;
   START TRANSACTION;
   SELECT * FROM city WHERE CountryCode='FRA';
   → How many results ?
   DELETE FROM city WHERE CountryCode='FRA';
   SELECT * FROM city WHERE CountryCode='FRA';
   → How many results ?

   On client 2 :
   SELECT * FROM city WHERE CountryCode='FRA';
   → How many results ?

   On client 1:
   COMMIT; OR ROLLBACK ;
   → As you wish, just agree with you and yourself !
   SELECT * FROM city WHERE CountryCode='FRA';
   → How many results ?

   On client 2 :
   SELECT * FROM city WHERE CountryCode='FRA';
   → How many results ?

2. Find in documentation and try the different level of isolation :
   REPEATABLE READ / READ COMMITTED / READ UNCOMMITTED / SERIALIZABLE
   → Can you find a little script for each case ?