

Create program in Java language that will process commands from FIFO queue using Producer – Consumer pattern.

Supported commands are the following:

Add - adds a user into a database

PrintAll – prints all users into standard output

DeleteAll – deletes all users from database

User is defined as database table SUSERS with columns (USER\_ID, USER\_GUID, USER\_NAME)

Demonstrate program on the following sequence (using main method or test):

Add (1, "a1", "Robert")

Add (2, "a2", "Martin")

PrintAll

DeleteAll

PrintAll

Show your ability to unit test code on at least one class.

Goal of this exercise is to show Java language and JDK know-how, OOP principles, clean code understanding, concurrent programming knowledge, unit testing experience.

Please do not use Spring framework in this exercise. Embedded database is sufficient.