

DataBases

TUTORIAL # 1 : The continuation

Exercise 01:

Let's go back to the statement of the exercise 2 of the Tuto sheet # 1 that deals with the management of borrowings in a library.

Q1: Propose a logical schema from the data dictionary verifying the management rules already defined.

Q2: Can we find more than two authors with the same occurrences (same values of the characteristics)

Q3: If yes, what could be the problems we will encounter?

Q4: What is the solution to overcome the problems?

Q5: Same question for each element defined in your proposed logical schema.

Q6: How can we find the authors of a book as well as the books written by an author?

Q7: How can we find the borrowers of an item with the dates of borrowing and the deadline as well as the items borrowed by a borrower with the date and the deadline of borrowing ?