

Lab 5 : Trigger and Stored Procedure

Using the sample University database, do the following

- I. Create triggers to refuse all modifications that violate the following constraints
 1. Manager of department must be an instructor of this department.
 2. Instructor can only be assigned to courses corresponding to his/her expertise.
 3. The number of students per class must be less than 25.
 4. Student can only enroll to a course if he/she passed all prerequisites for this course.
 5. There are minimum three instructors who are already for each course.
- II. Create stored procedures
 1. Create the procedure name pStudent_Department to view all information about students from a given department in a given school year (order by class code).
Example: EXEC pStudent_Department 'Department of information technologies', 2010
 2. Create the procedure name pSubject_Prerequisites to view all prerequisites about a given subject
Example: EXEC pSubject_Prerequisites Project Management
 3. Create the procedure name pRetaken_Students to view all students, who must do a retaken exam for a given subject in a given time (semester/year)
Example: EXEC pRetaken_Students N'Data Structures and Algorithms', 1, 2010
 4. Create the procedure name pUpdate_Grades to update a given student in a given subject by changing his/her grade (theory and/or practice)
Example: EXEC pUpdate_Grades N'Lê Nguyễn Hoài An' , N'Data Structures and Algorithms', 9, 9
 5. Create the procedure name pSchedule_Instructors to view all information about a given instructor in given school year
Example: EXEC pSchedule_Instructors N'Phan Thị Vân Anh', 2010

Output format:

Department: Department of information technologies

Year of birth: 1978

Expertise:

Data Structures and Algorithms

Computer Networking

Project Management

Introduction to Software Engineering

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