**Stored procedural and trigger Lab 4**

**Use ITI DB:**

1. Create a stored procedure to show the total number of students per department
2. Create a trigger to prevent anyone from inserting a new record in the Department table. Print a message for the user to tell him that “he can’t insert a new record in that table”
3. Create a trigger on student table after insert to add Row in a Student Audit table (Server User Name, Date, ***Note***) where the ***note*** will be “*username* Insert New Row with Key=*Id* in table student”

|  |  |  |
| --- | --- | --- |
| Server User Name | date | Note |
|  |  |  |

**Use CompanySD**

1. Create a stored procedure that will be used in case there is an old employee has left the project and a new one become instead of him. The procedure should take 3 parameters (old Emp. SSN, new Emp. SSN and the project number) and it will be used to update works\_for table. (use ***exists***)
2. Create an Audit table with the following structure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ProjectNo | UserName | ModifiedDate | Hours\_Old | Hours\_New |
|  |  |  |  |  |

This table will be used to audit the update trials on the Hours column (works\_for table, Company DB)

Example: If a user updated the Hours column then the project number, the user name that made that update, the date of the modification and the value of the old and the new Hours will be inserted into the Audit table

Note: This process will take place only if the user updated the Hours column

1. Create a trigger that prevents users from altering any table in Company DB.