**Tables**

--**course table :**

contain all information about courses .

--**question table :**

contain all information about question .

--**mcQ\_ques table :**

contain all information about mcQ\_questions .

--**text\_ques table :**

contain all information about text\_ques .

-**-true\_false\_ques :**

table contain all information about true\_false\_ques .

--**Instructor table :**

contain all information about Instructors .

--**Exam table :**

contain all information about Exam .

--**Exam\_Question table :**

conatin info about exam &ques and degree for each exam

--**department table :**

conatin info about departments .

--**Branch table :**

conatin info about Branchs .

--**Intake table:**

conatin info about Intakes .

--**Track table :**

conatin info about Track .

--**class table :**

conatin info about classes that link class with it's branch,intake and track

--**student table :**

contain all info about students .

**st\_quesexam\_answer :**

--table descripe the relationship between student's and it's ques\_exam and answer for each exam

**Class\_Course :**

--table descripe relationship betwwen classes and courses for each class

--**Student\_Class\_Course table :**

descripe relationship between students and class\_courserelationship

**Branch\_Intake :**

--descripe relationship between branchs and intakes

**Branch\_Intake\_Track table :**

--big relationship between branch and intakes ,track for each branch

**Sotred procedure :**

**create\_Exam**

--for this procedure , we can create exams manually or auto through some informations like determine number of questions for each type of

--questions we have like t/f questions ,mcq questions and finally text questions .

--determine degree foreach question in exam .

add\_MCQ\_Question ;

--determine mcQ questions (number of questions and questions itself)

add\_TF\_Question :

--determine TF questions (number of questions and the correct answer for each question )

add\_TEXT\_Question :

--determine TEXT questions (number of questions and best\_accepted\_answer for each question )

:

delete\_Question :

-- delete question through it's ID in the determined question's table .

assign\_Exam

-- assign Exam in Class\_Course table .

mark\_Exam :

--assign degree for each exam we have

add\_Instructor:

--assign new instructor

add\_course:

--assign new course

add\_class\_course :

--assign class course and instructor for each class/course

delete\_Instructor :

--delete specific instructor with id

delete\_Course :

--delete specific course with id

add\_Branch:

--assign new branch

add\_Track :

--assign new track

add\_Intake :

--assign new intake

add\_Student :

--insert new student in system .

answer\_MCQ\_Quest:

--check correct answer for mcq questions

answer\_TF\_Quest :

--check correct answer for true/false questions

answer\_TEXT\_Quest :

--check correct answer for text questions

**Roles** :

**Instructor**

-- make Roles for Instructor

**Trainning\_Manager :**

--assign hole roles for Trainning\_Manager

**Student** :

--give student access to solve types of qustions (McQ , tf , text )

**TRIGGER** :

AddInstructorToRoleTrigger :

--create account for new instructor

AddTrainningManagerToRoleTrigger :

--assign as tranning manager for each instruor has @is\_tm equal 1 .

AddStudentToRoleTrigger :

--create account for each insetred student .

DENY SELECT, UPDATE, INSERT, DELETE ON DATABASE::[Examination\_System] TO public

--prevent any operation to public people who not have permission .