Examination System SQL Documentation

Examination System

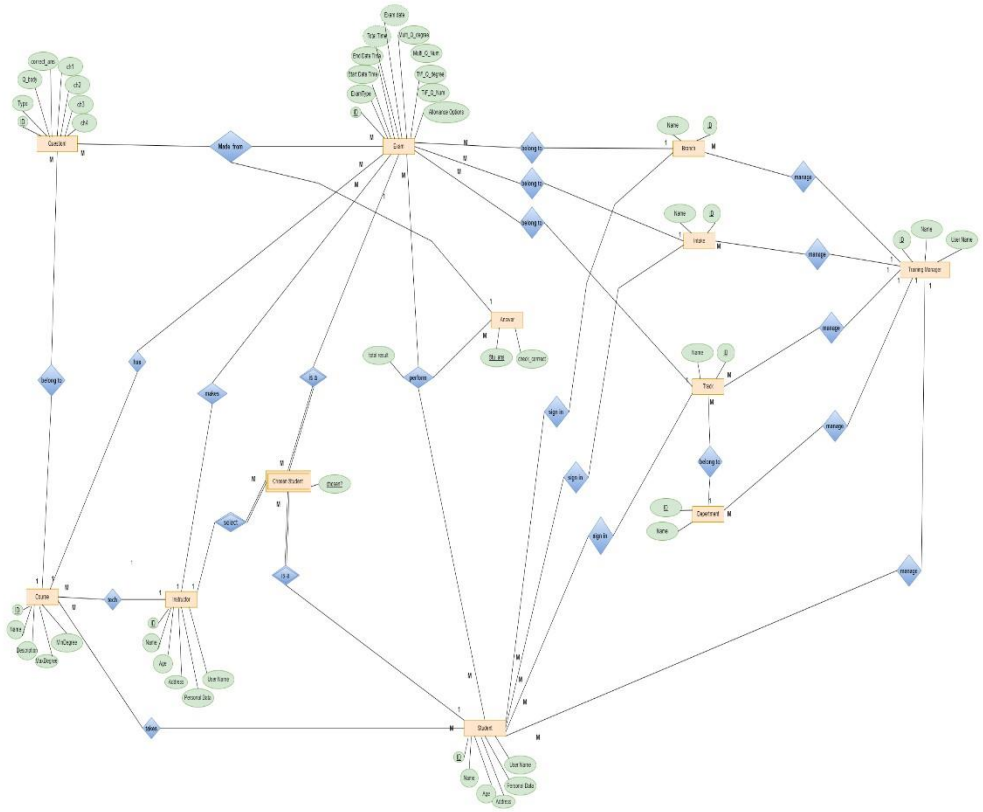
Author Team 4 :

Abdelrahman Mohamed Gomaa
Abdelrahman Mohamed Ahmed
Islam Abu elsoud

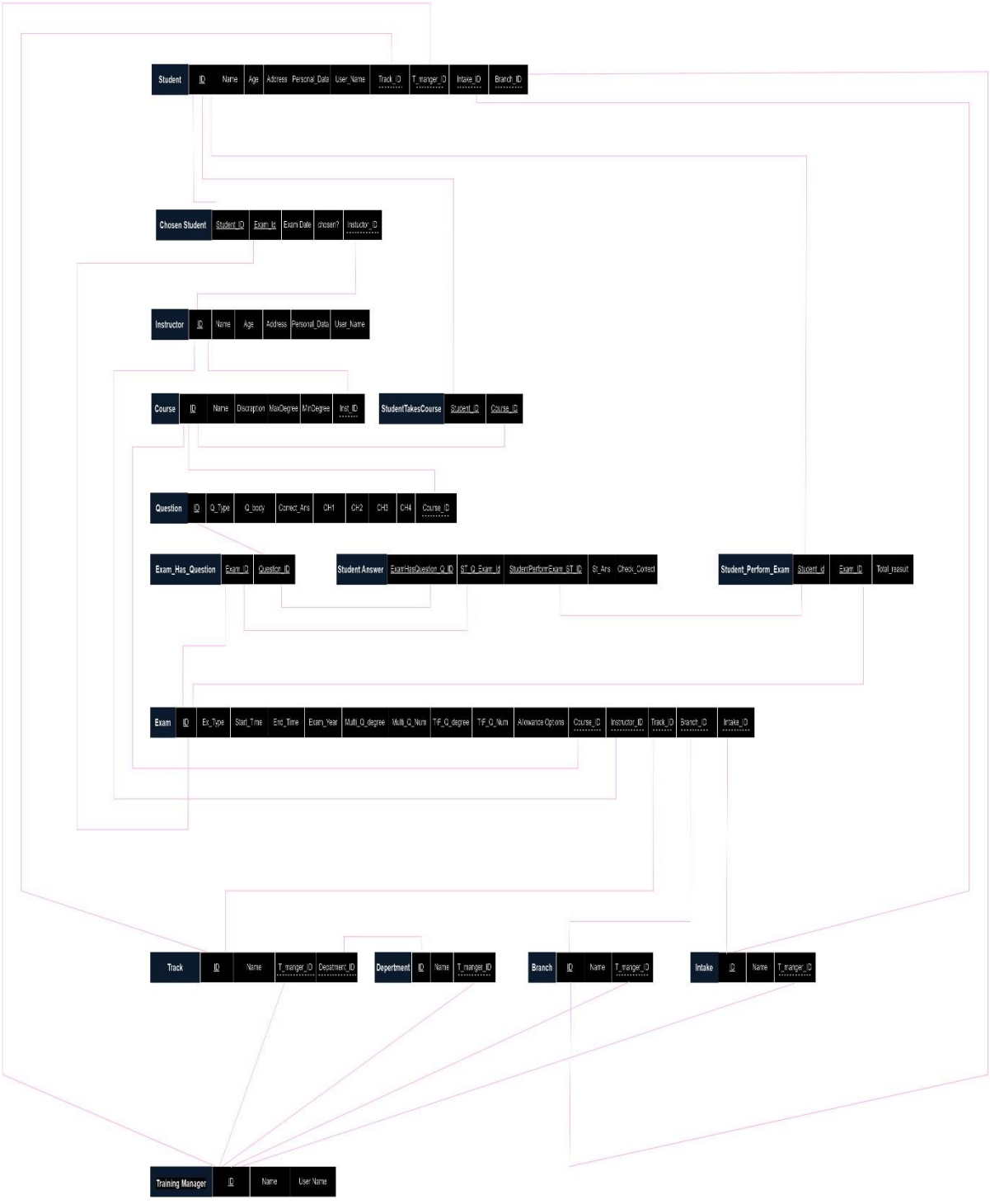
Examination System SQL

A system that contains many permissions, including student permissions, administrator permissions, and teacher permissions
Where the director can control the branch, track, subject, teacher, and students of the department he manages
Where you can add, modify or remove any item in its section
The teacher can set exams for students studying his subject
In the system, the student can answer the exam, and then the teacher returns and corrects the exam and assigns the student's grade
The system is integrated and designed in a simple and easy way
You can use a file Query for testing To test this System

ERD



Mapping


Student
ID
Name
Age
Adress
Personal_Date
User_Name
Track_ID
T_manger_ID
Intake_ID
Branch_ID
Chosen Student
Student_ID
Exam_Id
Exam Date
chosen?
Instuctor_ID
Instructor
ID
Name
Age
Address
Personal_Data
User_Name
Course
ID
Name
Discraption
MaxDegree
MinDegree
Inst_ID
StudentTakesCourse
Student_ID
Course_ID
Question
ID
Q_Type
Q_body
Correct_Ans
CH1
CH2
CH3
CH4
Course_ID
Exam_Has_Question
Exam_ID
Question_ID
Student Answer
ExamHasQuestion_Q_ID
ST_Q_Exam_Id
StudentPerformExam_ST_ID
St_Ans
Check_Correct
Student_Perform_Exam
Student_id
Exam_ID
Total_reasult
Exam
ID
Ex_Type
Start_Time
End_Time
Exam_Year
Multi_Q_degree
Multi_Q_Num
TF_Q_degree
TF_Q_Num
Allowance Opions
Course_ID
Instructor_ID
Track_ID
Branch_ID
Intake_ID
Track
ID
Name
T_manger_ID
Desatment_ID
Depertment
ID
Name
T_manger_ID
Branch
ID
Name
T_manger_ID
Intake
ID
Name
T_manger_ID
Training Manager
ID
Name
User Name

Diagram

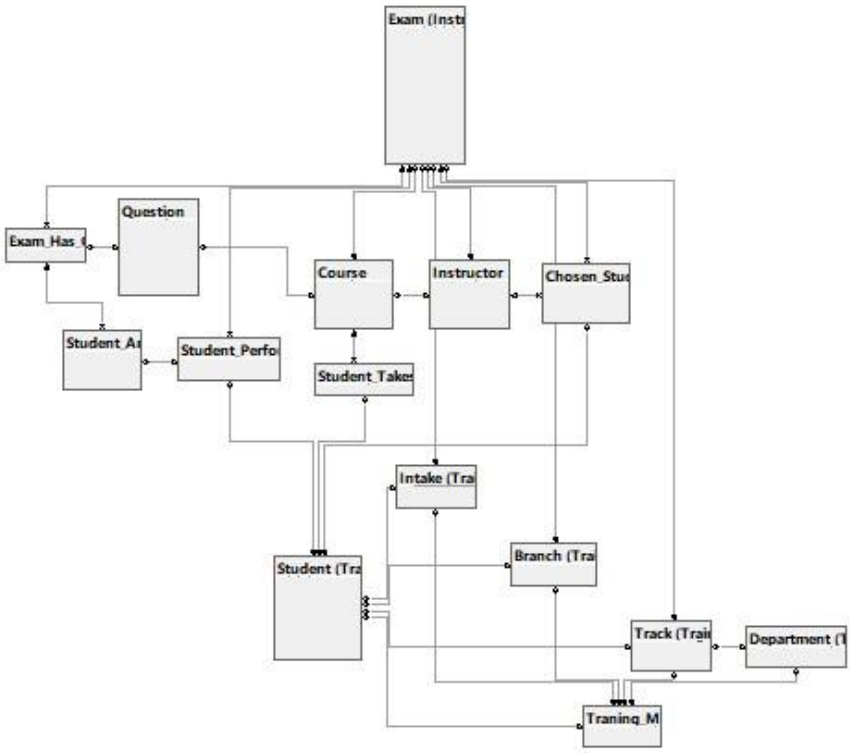
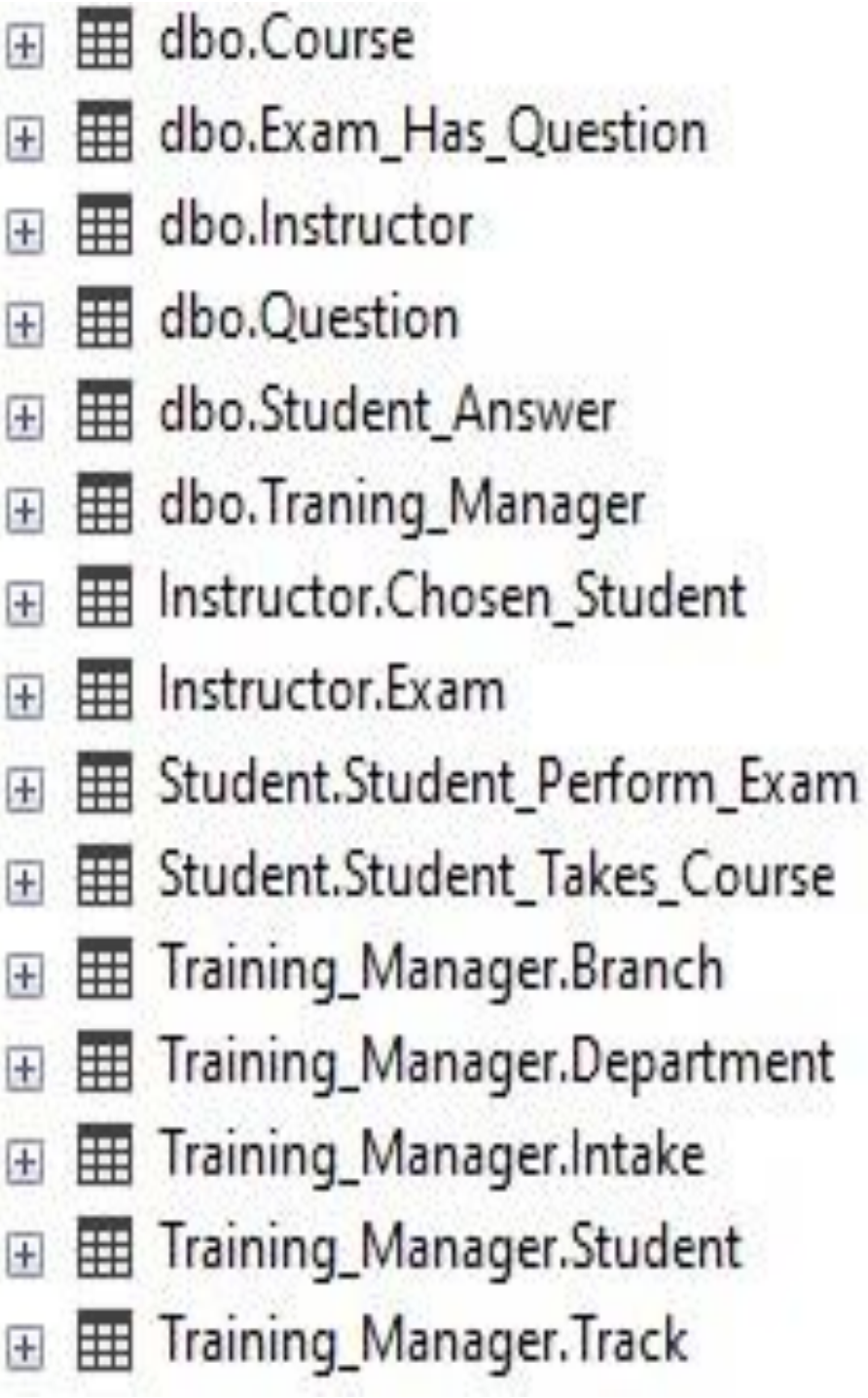
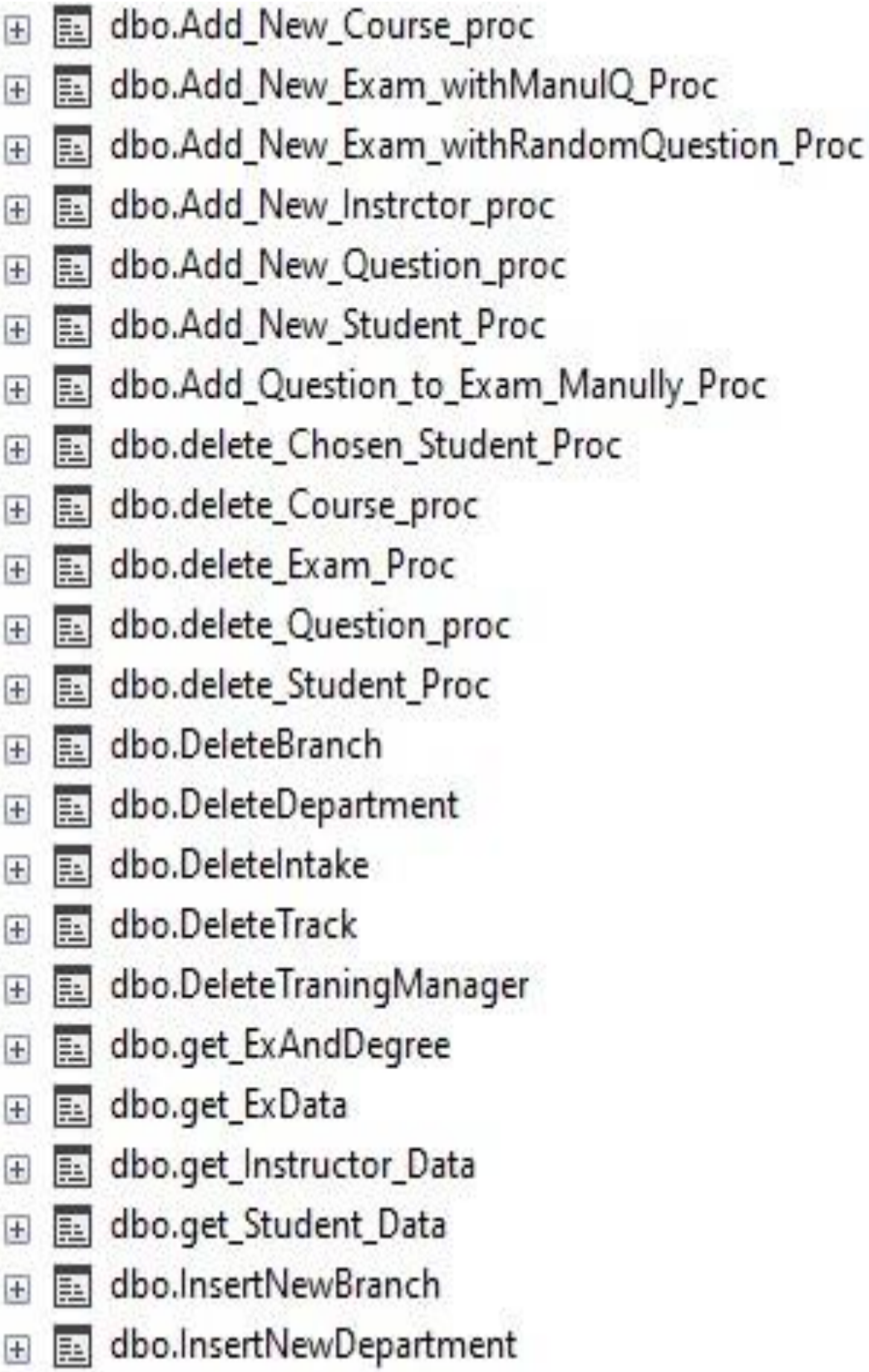
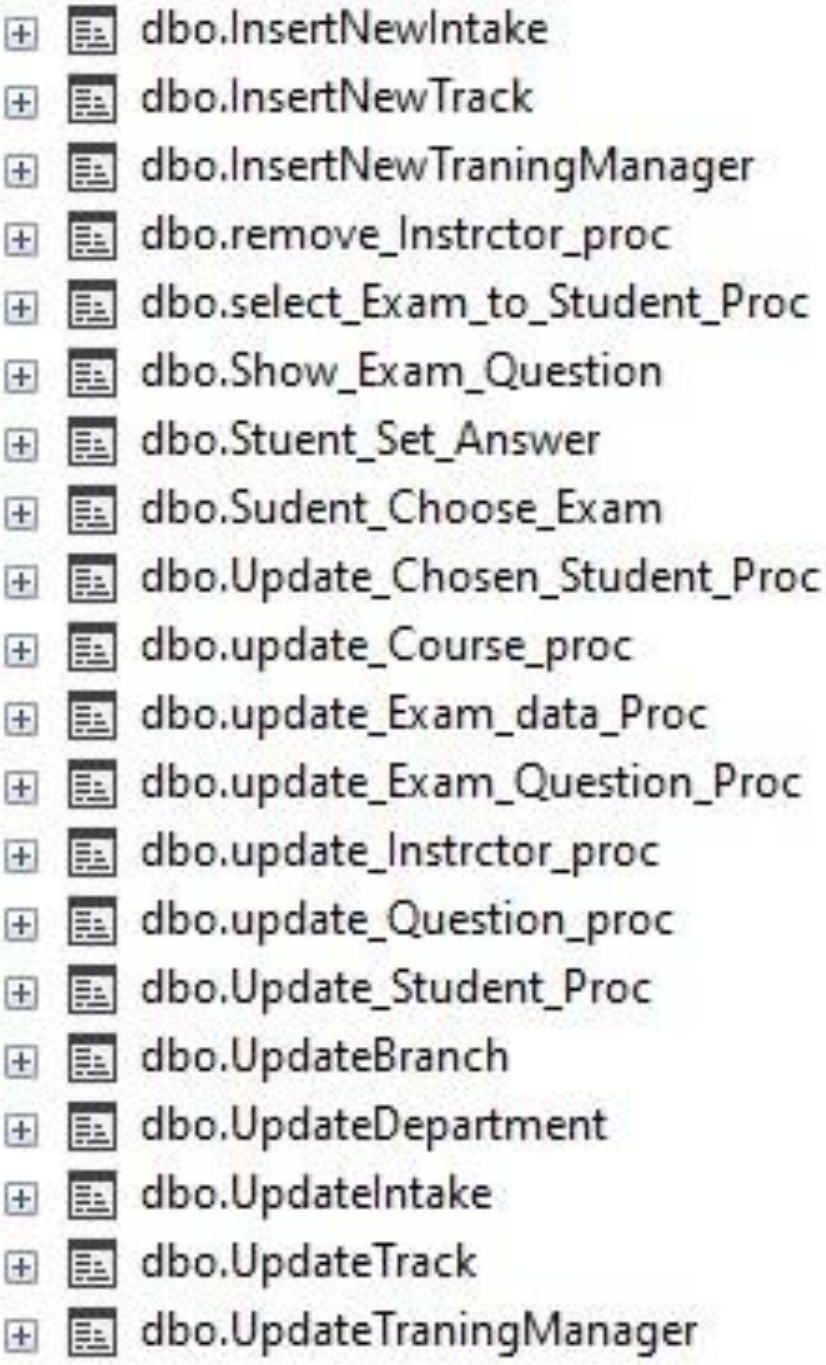

Exam (Inst
Question
Exam_Has_
Course
Instructor
Chosen_Stu
Student_A
Student_Perfo
Student_Take
Intake (Tra
Branch (Tra
Student (Tra
Track (Trai
Department (
Traning_M

Table Of Contains

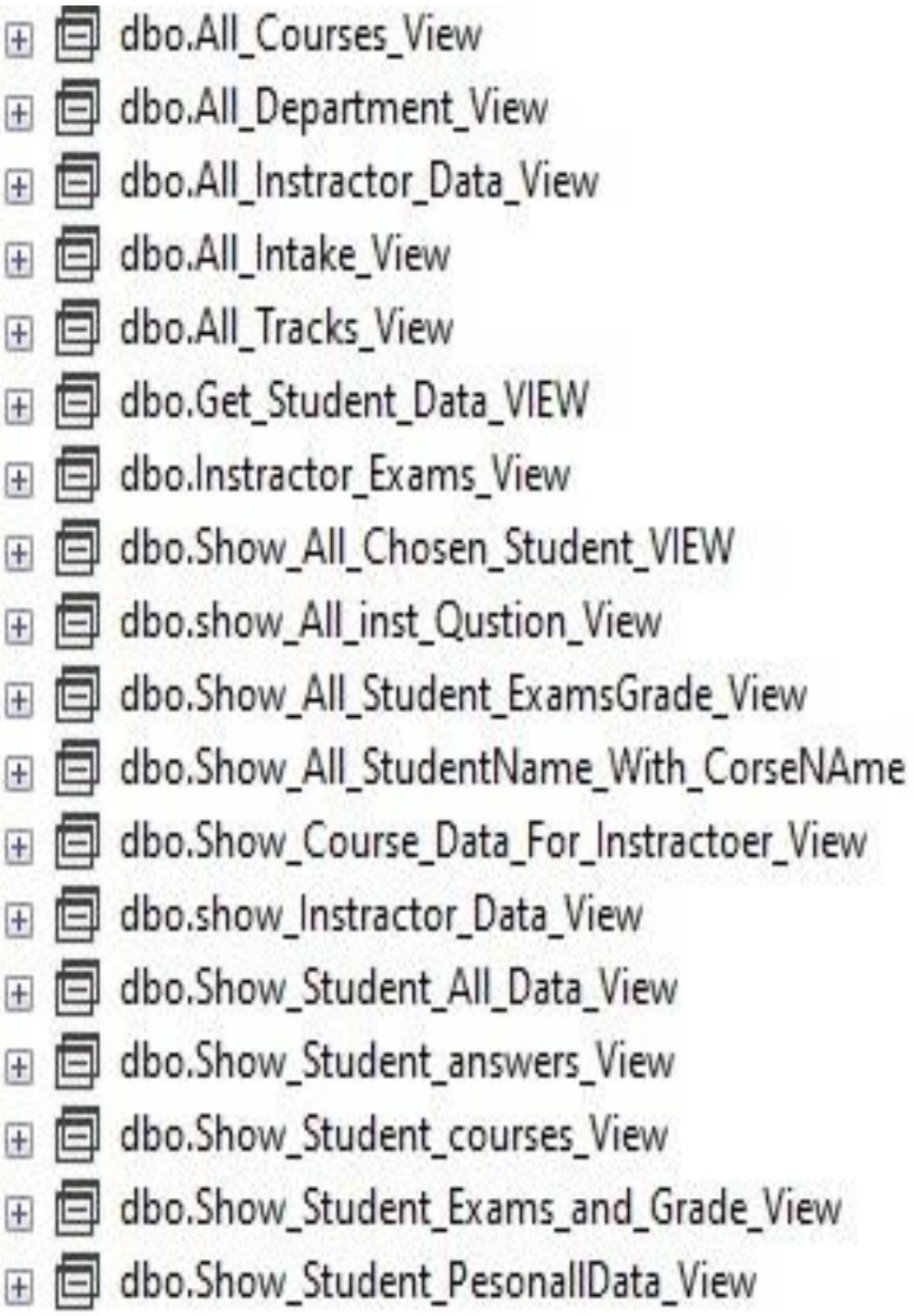


Stored Procedures

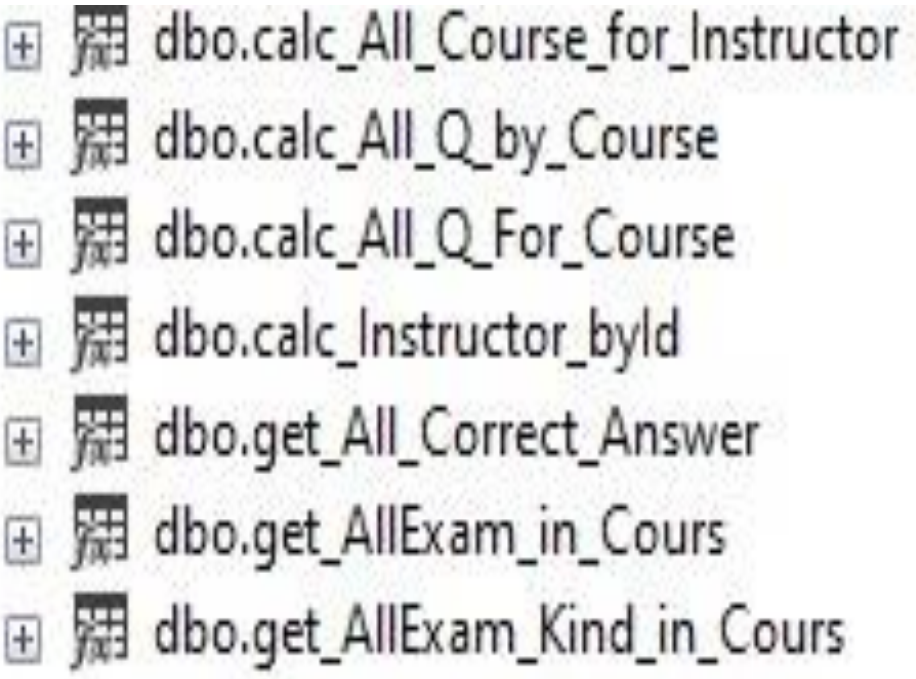



dbo.InsertNewIntake
dbo.InsertNewTrack
dbo.InsertNewTraningManager
dbo.remove_Instrctor_proc
dbo.select_Exam_to_Student_Proc
dbo.Show_Exam_Question
dbo.Stuent_Set_Answer
dbo.Sudent_Choose_Exam
dbo.Update_Chosen_Student_Proc
dbo.update_Course_proc
dbo.update_Exam_data_Proc
dbo.update_Exam_Question_Proc
dbo.update_Instrctor_proc
dbo.update_Question_proc
dbo.Update_Student_Proc
dbo.UpdateBranch
dbo.UpdateDepartment
dbo.UpdateIntake
dbo.UpdateTrack
dbo.UpdateTraningManager

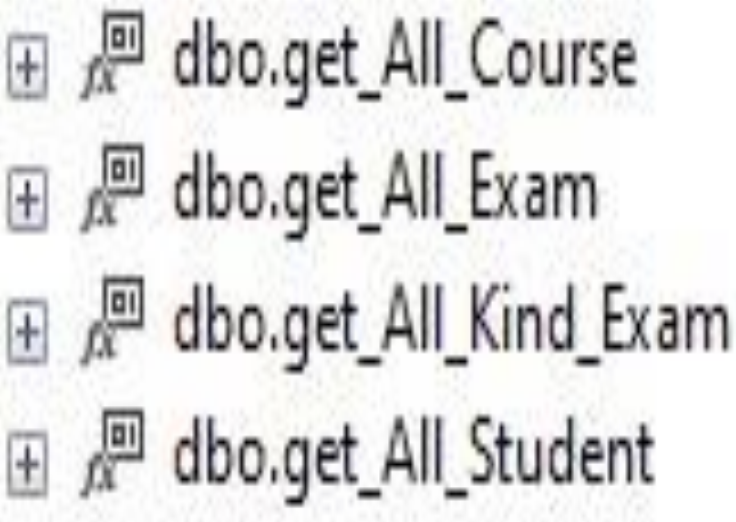
Views



Table_Function



Scaler_Function



Index

Brief Description For All Objects in DB

Stored Procedures	Description
Add_New_Student_Proc	Proc To Add New Student
Update_Student_Proc	Proc To update Student
delete_Student_Proc	Proc To delate Student
select_Exam_to_Student_Proc	Proc To Chosen student
Update_Chosen_Student_Proc	Proc To update chosen Student
delete_Chosen_Student_Proc	Proc To delate chosen Student
Add_New_Exam_withRandomQuestion_Proc	Proc To Add New Exam random
Add_New_Exam_withManulQ_Proc	Proc To Add New Exam manul
Add_Question_to_Exam_Manully_Proc	Proc To Add question to exam manully
update_Exam_data_Proc	Proc To update exam data
update_Exam_Question_Proc	Proc To update or chenge exam Question
delete_Exam_Proc	Proc To Delete exam
InsertNewTraningManager	Proc To Insert new traning manager
DeleteTraningManager	Proc To Delete traning manager
UpdateTraningManager	Proc To Update traning manager
InsertNewBranch	Proc To Insert new branch
UpdateBranch	Proc To Update branch
DeleteBranch	Proc To Delete branch
InsertNewTrack	Proc To Insert new track
UpdateTrack	Proc To Update track
DeleteTrack	Proc To Delete track
InsertNewIntake	Proc To Insert new intake
UpdateIntake	Proc To Update intake
DeleteIntake	Proc To Delete intake
InsertNewDepartment	Proc To Insert new department

UpdateDepartment	Proc To UpdateDepartment
DeleteDepartment	Proc To DeleteDepartment
Show_Exam_Question	Proc To student Show_Exam_Question
Sudent_Choose_Exam	Proc To Sudent_Choose_Exam proc
Stuent_Set_Answer	Proc To Stuent_Set_Answer
Add_New_Instrctor_proc	Proc To Add Instructor
update_Instrctor_proc	Proc To Update Instructor
remove_Instrctor_proc	Proc To Delete Instructor
Add_New_Course_proc	Proc To Add Course
update_Course_proc	Proc To Update Course
delete_Course_proc	Proc To Delete Course
Add_New_Question_proc	Proc To Add Question
update_Question_proc	Proc To Update Question
delete_Question_proc	Proc To delete Question
get_Instructor_Data	Proc To Data Of Course And Instrctor
get_Student_Data	Proc To Data Of Course And Instrctor
get_ExData	Proc To Show Data Of Exam
get_Student_Data	Proc To Data Of Course And Instrctor
get_ExData	Proc To Show Data Of Exam

Function

Scaler Function	Description
get_All_Kind_Exam get_All_Exam	Function To Return Total Exam
get_All_Course	Function To Return Total Course
get_All_Student	Function To Return Total Student
Table Function	**Description**

calc_Instructor_byId calc_All_Course_for_Instructor	Function To Return Total Instructor
calc_All_Q_For_Course calc_All_Q_by_Course	Function To Return Total Question for every Course
get_All_Correct_Answer	Function To Return Total Correct Answer
get_AllExam_Kind_in_Cours get_AllExam_in_Cours	Function To return all exam in every course

Index

Index	Description
Exam_YEAR_index	Index For year index
Exam_COURSE_ID_index	Index For course index
Exam_INSTRUCTOR_ID_index	Index For instructor index
Exam_TYPE_index	Index For Type index

Trigger

Trigger	Description
Check_Exam_TotalDegree_trg	Trigger For Check Exam Total Degree Trigger
Calc_stu_Exam_finalReasult_trg	Trigger For Calc Exam final reasult of the students Trigger
pervent_Delete_Answer_trg	Trigger For pervent delete in student Answer Trigger
pervent_Delete_Final_Reasult_trg	Trigger For pervent delete Exam final reasult of student Trigger

Views

Show_Student_All_Data_View	View For Show student all data view
Show_Student_PesonallData_View	View For Show student personal data view
Show_Student_courses_View	View For Show student courses view
Show_Student_Exams_and_Grade_View	View For Show student exams view
Show_Student_answers_View	View For Show student answer exams view
Show_All_Student_ExamsGrade_View	View For Show all students exams final reasul
Get_Student_Data_VIEW	View For Get_Student_Data_VIEW

Show_All_Chosen_Student_VIEW	View For Show_All_Chosen_Student_VIEW
show_Instractor_Data_View	View For show_Instractor_Data_View
Show_All_StudentName_With_CorseNAme	View For Show_All_StudentName_With_CorseNAme
Show_Course_Data_For_Instractoer_View	View For Show_Course_Data_For_Instractoer_Vie
show_All_inst_Qustion_View	View For show_All_inst_Qustion_View
Instractor_Exams_View	View For Instractor_Exams_View
All_Instractor_Data_View	View For All_Instractor_Data_View
All_Courses_View	View For All_Courses_View
All_Tracks_View	View For All_Tracks_View
All_Department_View	View For All_Department_View
All_Intake_View	View For All_Intake_View

Usersr

Permissions	Pass word
T_M_6	123
Ins6	123
Student_21	123

Calc Total_Grades	Func To Calc Grades
Trigger	**description**
[ddlt_PreventDDLDropTable]	Trigger to prevent drop any Table from system
Job	**description**
[MaintenancePlan.Subplan_1]	Job to ececute dialy Backup