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| --- | --- | --- |
| Name/Type | Description | Parameter |
| function CheckInstWithCourse | If Instructor teach this course return 1  Else return 0 | @INSTSSN char(14),  @CourseCode varchar(40),  @ClassID int |
| Function GetCourseDegree() | Return Course Max Degree | @CourseCode varchar(40) |
| Function GetExamsTotalDegree | Return total exams degree in course | @CourseCode varchar(40) |
| trigger TrigCheckForInstrWithCourse | Befor insert insert an exam check if the instructor teach this course |  |
| function CheckStudentInCourse | If student register in this course return 1  Else return 0 | @studentSSN char(14),  @CourseCode varchar(40) |
| proc Instructor.AddStudentToExam | Select student to exam | @INSTSSN char(14),  @CourseCode varchar(40),  @studentSSN char(14),  @ClassID int,@ExamID varchar(20) |
| function GetStudentExams | Return All Exams of a student | @studentSSN char(14) |
| Function CheckQuestWithCourse | check if question belong to Course and return question degree | @QuestID varchar(20),  @CourseCode varchar(40) |
| Function checkExameWithCourse | If the exam set to this course return 1 Else return 0  And check if instructor in this course | @ExamID varchar(20),  @CourseCode varchar(40),  @InstrSSN char(14) |
| function GetQuestionsTotalDegreeInExam | Compute the total degree of all question in one exam to check degree low than exam degree | @ExamID varchar(20) |
| proc SetQuestionToExam | Add some of question to exam  One each time and check if total degree is exceeded and the instructor teaches this course  And exam belong to the course | @InstrSSN char(14),  @CourseCode varchar(40),  @ExamID varchar(20),  @QuestID varchar(20),  @ClassID int |
| trigger BeforInsertIntoQuestion\_Exam | To check the sum of question degree does not exceed the exam degree and total of question num |  |
| proc ShowStudentCourse | Show all courses of a student | @StudentID char(14) |
| proc Student.startExam  Student.startExam '1999','C#' | Show exame to student | @studentSSN char(14),@courseName varchar(100) |
| view StudentGenralInfo | Show student name his courses and instructor name for course |  |

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| --- | --- |
| Table name | Data |
| Instructor | 1991, 1992, 1993, 1993, 1995 |
| Intake | 1,2,3,4, 5 |
| Branch | Smart\_ITI, Alex\_ITI, Assiut\_ITI, Minia\_ITISohag\_ITI |
| Track | .NET\_CS\_22, Mearn Stack, 3D Modeling\_MM\_22 , BI\_IS\_20, PHP\_CS\_30 |
| Class | 1,2,3,4, 5 |
| Course | HTML\_IS\_20, CSS\_IS\_20, JS\_IS\_10,C#\_CS\_21, FreeLancing\_20, Communication\_HR\_2 |
| Track\_Course | ('.NET\_CS\_22','HTML\_IS\_20'),('.NET\_CS\_22','CSS\_IS\_20'),  ('.NET\_CS\_22','C#\_CS\_21'),('.NET\_CS\_22','FreeLancing\_20'),('PHP\_CS\_30','HTML\_IS\_20'),  ('PHP\_CS\_30','JS\_IS\_10'),('Mearn Stack','HTML\_IS\_20'),('Mearn Stack','JS\_IS\_10'); |
| Exame | C#Exame1 |
| Student | 2001.1997.1998.1999.2000 |
| Course\_For\_Student | 'C#\_CS\_21',1999--C#\_CS\_21,1998--'JS\_IS\_10',1998--'HTML\_IS\_20',1997--'FreeLancing\_20',1997 |

|  |  |
| --- | --- |
| userName | Password |
| sys\_admin | 123 |
| Training\_Manager | 123 |
| Instructor | 123 |
| student | 123 |