

Generated using SQL Data Dictionary demo version.

ExamSystem

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Tables:

Table dbo.Courses (12 rows)

	Column	Data Type	Identity	Nullable	Default
PK	Crs_Id	int			
	Crs_Name	varchar(20)		X	
	Crs_Duration	int		X	

Indexes:

PK__Courses__56CAA5D56F71DEF4 (Primary Key) (Clustered)

Crs_Id

Referenced by:

dbo.Exam (Crs_Id)

dbo.Inst_Crs (Crs_Id)

dbo.Student_Crs (Crs_Id)

dbo.Topics (Crs_Id)

Used by:

Procedure dbo.Course_Gardes

Procedure dbo.Course_Topics

Procedure dbo.CourseInfo

Procedure dbo.selectCourseData

Procedure dbo.TopicsAtCourse

View dbo.TopicsAtC#

Table dbo.Department (5 rows)

	Column	Data Type	Identity	Nullable	Default
PK	Dept_id	int			
	Dept_name	varchar(20)		X	
	Dept_desc	varchar(100)		X	

Indexes:

PK__Departme__72A8C6A4F105806D (Primary Key) (Clustered)

Dept_id

Referenced by:

dbo.Instructor (Dept_id)

dbo.Student (Dept_id)

Used by:

Procedure dbo.DepartmentInfo

Procedure dbo.selectDepartmentData

Procedure **dbo.StudentAtDept**

Procedure **dbo.StudentsInfoAtDept**

View **dbo.StudentAtSD**

Table dbo.Exam (10 rows)

	Column	Data Type	Identity	Nullable	Default
PK	Exam_Id	int			
	Ex_duration	int		X	
	Ex_startTime	datetime		X	
FK	Crs_Id	int		X	

Indexes:

PK__Exam__C782CA595B601352 (Primary Key) (Clustered)

Exam_Id

References:

dbo.Courses (Crs_Id)

Referenced by:

dbo.St_Answer (Exam_Id)

Used by:

Procedure **dbo.ExamInfo**

Procedure **dbo.insertDataExam**

Procedure **dbo.selectExamData**

Table dbo.Inst_Crs (15 rows)

	Column	Data Type	Identity	Nullable	Default
PK, FK	Ins_Id	int			
PK, FK	Crs_Id	int			

Indexes:

PK__Inst_Crs__5078A3B0C6FD4FB3 (Primary Key) (Clustered)

Ins_Id

Crs_Id

References:

dbo.Courses (Crs_Id)

dbo.Instructor (Ins_Id)

Table dbo.Instructor (7 rows)

	Column	Data Type	Identity	Nullable	Default
PK	Ins_Id	int			
	Ins_name	varchar(20)		X	
	Salary	money		X	
FK	Dept_id	int		X	

FK	MGR_id	int		X	
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Indexes:

PK__Instruct__151409EDE9F0A418 (Primary Key) (Clustered)

Ins_Id

References:

dbo.Department (Dept_id)

dbo.Instructor (MGR_id -> Ins_Id)

Referenced by:

dbo.Inst_Crs (Ins_Id)

dbo.Instructor (MGR_id -> Ins_Id)

dbo.Std_Ins (Ins_Id)

Used by:

Procedure dbo.InstructorInfo

Procedure dbo.selectInstructorData

Table dbo.Q_Choices (0 rows)

	Column	Data Type	Identity	Nullable	Default
PK	Choice	varchar(10)			
PK, FK	Q_Id	int			

Indexes:

PK__Q_Choice__D3A8ECFE4D9DD88C (Primary Key) (Clustered)

Choice
Q_Id

References:

dbo.Questions (Q_Id)

Table dbo.Questions (40 rows)

	Column	Data Type	Identity	Nullable	Default
PK	Q_Id	int			
	Q_Grade	int		X	
	Q_Ans	varchar(10)		X	
	Q_Type	varchar(10)		X	
	Q_Desc	varchar(50)		X	

Indexes:

PK__Question__F4FC370E1783FF5F (Primary Key) (Clustered)

Q_Id

Referenced by:

dbo.Q_Choices (Q_Id)

dbo.St_Answer (*Q_Id*)

Used by:

Procedure **dbo.insertDataQuestion**

Procedure **dbo.QuestionInfo**

Procedure **dbo.selectQuestionsData**

Table **dbo.St_Answer** (*0 rows*)

	Column	Data Type	Identity	Nullable	Default
PK	St_Ans	varchar(10)			
PK, FK	Q_Id	int			
PK, FK	St_Id	int			
FK	Exam_Id	int		X	

Indexes:

PK__St_Answr__93F2AB47A5309A32 (*Primary Key*) (*Clustered*)

St_Ans
Q_Id
St_Id

References:

dbo.Exam (*Exam_Id*)

dbo.Questions (*Q_Id*)

dbo.Student (*St_Id*)

Table **dbo.Std_Ins** (*26 rows*)

	Column	Data Type	Identity	Nullable	Default
PK, FK	St_Id	int			
PK, FK	Ins_Id	int			

Indexes:

PK__Std_Ins__78520F2D9FE56EF6 (*Primary Key*) (*Clustered*)

St_Id
Ins_Id

References:

dbo.Instructor (*Ins_Id*)

dbo.Student (*St_Id*)

Table **dbo.Student** (*12 rows*)

	Column	Data Type	Identity	Nullable	Default
PK	St_Id	int			
	St_Fname	varchar(20)		X	
	St_Lname	varchar(20)		X	
	Total_Grade	int		X	
	St_Address	varchar(50)		X	
	St_Age	int		X	

FK	Dept_id	int		X	
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Indexes:

PK__Student__B9034FB33E69927A (Primary Key) (Clustered)

St_Id

References:

dbo.Department (Dept_id)

Referenced by:

dbo.St_Answer (St_Id)

dbo.Std_Ins (St_Id)

dbo.Student_Crs (St_Id)

Used by:

Procedure dbo.Course_Gardes

Procedure dbo.selectStudentData

Procedure dbo.StudentAtDept

Procedure dbo.StudentInfo

Procedure dbo.StudentsInfoAtDept

View dbo.StudentAtSD

Table dbo.Student_Crs (40 rows)

	Column	Data Type	Identity	Nullable	Default
PK, FK	St_Id	int			
PK, FK	Crs_Id	int			
	Crs_Grade	int		X	

Indexes:

PK__Student__FC6FE5EEFD9F6243 (Primary Key) (Clustered)

St_Id

Crs_Id

References:

dbo.Courses (Crs_Id)

dbo.Student (St_Id)

Used by:

Procedure dbo.Course_Gardes

Table dbo.Topics (28 rows)

	Column	Data Type	Identity	Nullable	Default
PK	Topic_id	int			
	Topic_name	varchar(20)		X	
FK	Crs_Id	int		X	

Indexes:

PK__Topics__8DEBA02D9F00F9D1 (*Primary Key*) (*Clustered*)

Topic_id

References:

dbo.Courses (*Crs_Id*)

Used by:

Procedure **dbo.Course_Topics**

Procedure **dbo.selectTopicData**

Procedure **dbo.TopicInfo**

Procedure **dbo.TopicsAtCourse**

View **dbo.TopicsAtC#**

Views:

View dbo.StudentAtSD

Column	Data Type	Nullable
Fullname	varchar(41)	X
Dept_name	varchar(20)	X

Uses:

Table dbo.Department

Table dbo.Student

View dbo.TopicsAtC#

Column	Data Type	Nullable
C#_Topic	varchar(20)	X

Uses:

Table dbo.Courses

Table dbo.Topics

Procedures:

Procedure dbo.Course_Gardes

Parameter	Data Type	Default	Is Output
@id	int		

Result:

Column	Data Type	Nullable
FullName	varchar(41)	X
Crs_Name	varchar(20)	X
Crs_Grade	int	X

Uses:

Table dbo.Courses

Table dbo.Student

Table dbo.Student_Crs

Procedure dbo.Course_Topics

Parameter	Data Type	Default	Is Output
@id	int		

Result:

Column	Data Type	Nullable
Topic_name	varchar(20)	X

Uses:

Table dbo.Courses

Table dbo.Topics

Procedure dbo.CourseInfo

Parameter	Data Type	Default	Is Output
@id	int		

Result:

Column	Data Type	Nullable
Crs_Id	int	
Crs_Name	varchar(20)	X
Crs_Duration	int	X

Uses:

Table dbo.Courses

Procedure dbo.DepartmentInfo

Parameter	Data Type	Default	Is Output
@id	int		

Result:

Column	Data Type	Nullable
Dept_id	int	
Dept_name	varchar(20)	X
Dept_desc	varchar(100)	X

Uses:

Table **dbo.Department**

Procedure dbo.ExamInfo

Parameter	Data Type	Default	Is Output
@id	int		

Result:

Column	Data Type	Nullable
Exam_Id	int	
Ex_duration	int	X
Ex_startTime	datetime	X
Crs_Id	int	X

Uses:

Table **dbo.Exam**

Procedure dbo.insertDataExam

Parameter	Data Type	Default	Is Output
@id	int		
@duration	int		
@start_Time	datetime		
@courseId	int		

Uses:

Table **dbo.Exam**

Procedure dbo.insertDataQuestion

Parameter	Data Type	Default	Is Output
@id	int		
@grade	int		
@answer	varchar(10)		
@type	varchar(10)		
@describtion	varchar(50)		

Uses:

Table **dbo.Questions**

Procedure dbo.InstructorInfo

Parameter	Data Type	Default	Is Output
@id	int		

Result:

Column	Data Type	Nullable
Ins_Id	int	
Ins_name	varchar(20)	X
Salary	money	X
Dept_id	int	X
MGR_id	int	X

Uses:

Table **dbo.Instructor**

Procedure **dbo.QuestionInfo**

Parameter	Data Type	Default	Is Output
@id	int		

Result:

Column	Data Type	Nullable
Q_Id	int	
Q_Grade	int	X
Q_Ans	varchar(10)	X
Q_Type	varchar(10)	X
Q_Desc	varchar(50)	X

Uses:

Table **dbo.Questions**

Procedure **dbo.selectCourseData**

No parameters.

Result:

Column	Data Type	Nullable
Crs_Id	int	
Crs_Name	varchar(20)	X
Crs_Duration	int	X

Uses:

Table **dbo.Courses**

Procedure **dbo.selectDepartmentData**

No parameters.

Result:

Column	Data Type	Nullable
Dept_id	int	

Dept_name	varchar(20)	X
Dept_desc	varchar(100)	X

Uses:

Table dbo.Department

Procedure dbo.selectExamData

No parameters.

Result:

Column	Data Type	Nullable
Exam_Id	int	
Ex_duration	int	X
Ex_startTime	datetime	X
Crs_Id	int	X

Uses:

Table dbo.Exam

Procedure dbo.selectInstructorData

No parameters.

Result:

Column	Data Type	Nullable
Ins_Id	int	
Ins_name	varchar(20)	X
Salary	money	X
Dept_id	int	X
MGR_id	int	X

Uses:

Table dbo.Instructor

Procedure dbo.selectQuestionsData

No parameters.

Result:

Column	Data Type	Nullable
Q_Id	int	
Q_Grade	int	X
Q_Ans	varchar(10)	X
Q_Type	varchar(10)	X
Q_Desc	varchar(50)	X

Uses:

Table dbo.Questions

Procedure dbo.selectStudentData

No parameters.

Result:

Column	Data Type	Nullable
St_Id	int	
St_Fname	varchar(20)	X
St_Lname	varchar(20)	X
Total_Grade	int	X
St_Address	varchar(50)	X
St_Age	int	X
Dept_id	int	X

Uses:

Table dbo.Student

Procedure dbo.selectTopicData

No parameters.

Result:

Column	Data Type	Nullable
Topic_id	int	
Topic_name	varchar(20)	X
Crs_Id	int	X

Uses:

Table dbo.Topics

Procedure dbo.StudentAtDept

Parameter	Data Type	Default	Is Output
@name	varchar(20)		

Result:

Column	Data Type	Nullable
Fullname	varchar(41)	X
Dept_name	varchar(20)	X

Uses:

Table dbo.Department

Table dbo.Student

Procedure dbo.StudentInfo

Parameter	Data Type	Default	Is Output
@id	int		

Result:

Column	Data Type	Nullable
St_Id	int	
St_Fname	varchar(20)	X
St_Lname	varchar(20)	X
Total_Grade	int	X
St_Address	varchar(50)	X
St_Age	int	X
Dept_id	int	X

Uses:

Table **dbo.Student**

Procedure dbo.StudentsInfoAtDept

Parameter	Data Type	Default	Is Output
@id	int		

Result:

Column	Data Type	Nullable
Fullname	varchar(41)	X
St_Address	varchar(50)	X
St_Age	int	X
Total_Grade	int	X
Dept_name	varchar(20)	X

Uses:

Table **dbo.Department**

Table **dbo.Student**

Procedure dbo.TopicInfo

Parameter	Data Type	Default	Is Output
@id	int		

Result:

Column	Data Type	Nullable
Topic_id	int	
Topic_name	varchar(20)	X
Crs_Id	int	X

Uses:

Table **dbo.Topics**

Procedure dbo.TopicsAtCourse

Parameter	Data Type	Default	Is Output
@coursName	varchar(20)		

Result:

Column	Data Type	Nullable
Topic	varchar(20)	X

Uses:

Table **dbo.Courses**

Table **dbo.Topics**