Examination_system

Tables:

Procedures:

Tables:

Table dbo.Add_question *(30 rows)*

	Column	Data Type	Identity	Nullable	Default
FK	intr_id	int		X	
PK, FK	crs_id	int			
PK, FK	quest_id	int			

Indexes:

      PK_Add_question *(Primary Key) (Clustered)*

          crs_id
          quest_id

References:

      dbo.Course *(crs_id)*

      dbo.instructor *(intr_id -> Instr_id)*

      dbo.Question *(quest_id -> Quest_id)*

Table dbo.Course *(5 rows)*

	Column	Data Type	Identity	Nullable	Default
PK	crs_id	int	X		
	Name	varchar(30)			
FK	intr_id	int			

Indexes:

      PK_Courses *(Primary Key) (Clustered)*

          crs_id

References:

      dbo.instructor *(intr_id -> Instr_id)*

Referenced by:

      dbo.Add_question *(crs_id)*

      dbo.Exam *(crs_id)*

      dbo.stud_courses *(crs_id)*

      dbo.Topic *(crs_id)*

Used by:

      Procedure dbo.addmcqQ

      Procedure dbo.addTrueFalseQ

      Procedure dbo.calculateCourseGrade

      Procedure dbo.courseQuestions

      Procedure dbo.deleteCourse

      Procedure dbo.deleteExam

Procedure dbo.deleteQuestionByHeader

Procedure dbo.deleteQuestionByNum

Procedure dbo.deleteQuestionByQHeader

Procedure dbo.displayCourseExamsWithDetails

Procedure dbo.displayExamQuestions

Procedure dbo.generateExam

Procedure dbo.getTopics

Procedure dbo.grades

Procedure dbo.insertCourse

Procedure dbo.insertstud_courses

Procedure dbo.noOfStudent

Procedure dbo.selectCourse

Procedure dbo.studentTakeCourse

Procedure dbo.updateCourse

Procedure dbo.updatestud_courses

Table dbo.Department *(6 rows)*

	Column	Data Type	Identity	Nullable	Default
PK	dept_id	int	X		
	dept_Name	varchar(30)			
FK	mgr_id	int			

Indexes:

PK_Department *(Primary Key) (Clustered)*

dept_id

References:

dbo.instructor *(mgr_id -> Instr_id)*

Referenced by:

dbo.instructor *(dept_id)*

dbo.Student *(dept_id)*

Used by:

Procedure dbo.createDept

Procedure dbo.deleteDept

Procedure dbo.insert_inst_dept

Procedure dbo.insertDept

Procedure dbo.insertStudent

Procedure dbo.select_inst_dept

Procedure dbo.selectalldepts

Procedure dbo.selectDept

Procedure dbo.StuInDept

Procedure dbo.update_inst_dept

Procedure dbo.updateDept

Procedure dbo.updateStudent

Table dbo.Exam *(4 rows)*

	Column	Data Type	Identity	Nullable	Default
PK	Exam_id	int	X		
	ExamName	varchar(20)			
	examDate	date		X	
	Duration_in_minutes	int			
	total_marks	int			
FK	crs_id	int			

Indexes:

PK_Exam *(Primary Key) (Clustered)*

Exam_id

References:

dbo.Course *(crs_id)*

Referenced by:

dbo.generate_Exam *(Exam_id)*

dbo.stud_Ans *(Exam_id)*

dbo.studentExams *(examId -> Exam_id)*

Used by:

Procedure dbo.calculateCourseGrade

Procedure dbo.deleteExam

Procedure dbo.displayCourseExamsWithDetails

Procedure dbo.displayExamQuestions

Procedure dbo.generateExam

Procedure dbo.markExam

Procedure dbo.markQuestions

Procedure dbo.QsInExam

Procedure dbo.takeExam

Table dbo.generate_Exam *(50 rows)*

	Column	Data Type	Identity	Nullable	Default
PK, FK	Exam_id	int			
PK, FK	quest_id	int			

Indexes:

    PK_generate_Exam *(Primary Key) (Clustered)*

        Exam_id
        quest_id

References:

    dbo.Exam *(Exam_id)*

    dbo.Question *(quest_id -> Quest_id)*

Used by:

    Procedure dbo.deleteExam

    Procedure dbo.deleteQuestionByHeader

    Procedure dbo.deleteQuestionByQHeader

    Procedure dbo.displayExamQuestions

    Procedure dbo.generateExam

    Procedure dbo.markQuestions

    Procedure dbo.QsInExam

    Procedure dbo.takeExam

Table dbo.instr_phones *(5 rows)*

	Column	Data Type	Identity	Nullable	Default
PK, FK	instr_id	int			
	phone1	varchar(15)			
	phone2	varchar(15)		X	

Indexes:

    PK_instr_phones *(Primary Key) (Clustered)*

        instr_id

References:

    dbo.instructor *(instr_id -> Instr_id)*

Used by:

    Procedure dbo.delete_instructor

    Procedure dbo.delete_phones

    Procedure dbo.insert_instructor

    Procedure dbo.select_instructor

    Procedure dbo.select_phones

    Procedure dbo.update_instructor

    Procedure dbo.update_phones

Table dbo.instructor *(6 rows)*

	Column	Data Type	Identity	Nullable	Default

PK	Instr_id	int	X		
	Fname	varchar(25)			
	Lname	varchar(25)			
	HireDate	date		X	
	Email	varchar(50)		X	
FK	dept_id	int			

Indexes:

> **PK_instructors** *(Primary Key) (Clustered)*
>
>> Instr_id

References:

> **dbo.Department** *(dept_id)*

Referenced by:

> **dbo.Add_question** *(intr_id -> Instr_id)*
>
> **dbo.Course** *(intr_id -> Instr_id)*
>
> **dbo.Department** *(mgr_id -> Instr_id)*
>
> **dbo.instr_phones** *(instr_id -> Instr_id)*

Table dbo.quest_choices *(30 rows)*

	Column	**Data Type**	**Identity**	**Nullable**	**Default**
PK, FK	Quest_id	int			
	choice1	varchar(100)			
	choice2	varchar(100)			
	choice3	varchar(100)		X	
	choice4	varchar(100)		X	

Indexes:

> **PK_quest_choices** *(Primary Key) (Clustered)*
>
>> Quest_id

References:

> **dbo.Question** *(Quest_id)*

Used by:

> **Procedure dbo.addmcqQ**
>
> **Procedure dbo.addTrueFalseQ**
>
> **Procedure dbo.courseQuestions**
>
> **Procedure dbo.deleteQuestionByHeader**
>
> **Procedure dbo.deleteQuestionByNum**
>
> **Procedure dbo.deleteQuestionByQHeader**
>
> **Procedure dbo.displayExamQuestions**

Table dbo.Question *(30 rows)*

	Column	Data Type	Identity	Nullable	Default
PK	Quest_id	int	X		
	Qheader	varchar(200)			
	type	varchar(20)			
	modelAns	varchar(50)			

Indexes:

> **PK_Question** *(Primary Key) (Clustered)*
>
>> Quest_id

Referenced by:

> **dbo.Add_question** *(quest_id -> Quest_id)*
>
> **dbo.generate_Exam** *(quest_id -> Quest_id)*
>
> **dbo.quest_choices** *(Quest_id)*
>
> **dbo.stud_Ans** *(quest_id -> Quest_id)*

Used by:

> **Procedure dbo.addmcqQ**
>
> **Procedure dbo.addTrueFalseQ**
>
> **Procedure dbo.AllstudentAnswers**
>
> **Procedure dbo.courseQuestions**
>
> **Procedure dbo.deleteQuestionByHeader**
>
> **Procedure dbo.deleteQuestionByNum**
>
> **Procedure dbo.deleteQuestionByQHeader**
>
> **Procedure dbo.displayExamQuestions**
>
> **Procedure dbo.generateExam**
>
> **Procedure dbo.markQuestions**
>
> **Procedure dbo.QsInExam**

Table dbo.stud_Ans *(150 rows)*

	Column	Data Type	Identity	Nullable	Default
PK, FK	stud_id	int			
PK, FK	Exam_id	int			
PK, FK	quest_id	int			
	stud_Ans	varchar(60)		X	
	mark	float		X	

Indexes:

> **PK_stud_Ans** *(Primary Key) (Clustered)*
>
>> stud_id
>> Exam_id
>> quest_id

References:

> **dbo.Exam** *(Exam_id)*

dbo.Question *(quest_id -> Quest_id)*

dbo.Student *(stud_id)*

Used by:

      Procedure dbo.AllstudentAnswers

      Procedure dbo.markExam

      Procedure dbo.markQuestions

      Procedure dbo.studAnswer

      Procedure dbo.takeExam

Table dbo.stud_courses *(3 rows)*

	Column	Data Type	Identity	Nullable	Default
PK, FK	crs_id	int			
PK	stud_id	int			
	grade	char(2)		X	

Indexes:

      PK_stud_courses *(Primary Key) (Clustered)*

          crs_id
          stud_id

References:

      dbo.Course *(crs_id)*

      dbo.Student *(crs_id -> stud_id)*

Used by:

      Procedure dbo.calculateCourseGrade

      Procedure dbo.deletestud_courses

      Procedure dbo.grades

      Procedure dbo.insertstud_courses

      Procedure dbo.noOfStudent

      Procedure dbo.selectstud_courses

      Procedure dbo.studentTakeCourse

      Procedure dbo.takeExam

      Procedure dbo.updatestud_courses

Table dbo.stud_phones *(12 rows)*

	Column	Data Type	Identity	Nullable	Default
PK, FK	stud_id	int			
	phone1	varchar(15)			
	phone2	varchar(15)		X	

Indexes:

> **PK_stud_phones** *(Primary Key) (Clustered)*
>
>> stud_id

References:

> **dbo.Student** *(stud_id)*

Used by:

> **Procedure dbo.deleteStudent**
>
> **Procedure dbo.deleteStudPhone**
>
> **Procedure dbo.insertStudent**
>
> **Procedure dbo.selectPhone**
>
> **Procedure dbo.selectStudent**
>
> **Procedure dbo.StuInDept**
>
> **Procedure dbo.updateStudPhone**

Table dbo.Student *(14 rows)*

	Column	Data Type	Identity	Nullable	Default
PK	stud_id	int	X		
	Fname	varchar(25)			
	Lname	varchar(25)			
	Email	varchar(50)		X	
	Birth_Date	date		X	
	gender	char(1)		X	
FK	dept_id	int		X	

Indexes:

> **PK_Student** *(Primary Key) (Clustered)*
>
>> stud_id

References:

> **dbo.Department** *(dept_id)*

Referenced by:

> **dbo.stud_Ans** *(stud_id)*
>
> **dbo.stud_courses** *(crs_id -> stud_id)*
>
> **dbo.stud_phones** *(stud_id)*
>
> **dbo.studentExams** *(student_id -> stud_id)*

Used by:

> **Procedure dbo.deleteStudent**
>
> **Procedure dbo.deleteStudPhone**
>
> **Procedure dbo.grades**
>
> **Procedure dbo.insertstud_courses**

Procedure dbo.insertStudent

Procedure dbo.selectStudent

Procedure dbo.StuInDept

Procedure dbo.updatestud_courses

Procedure dbo.updateStudent

Procedure dbo.updateStudPhone

Table dbo.studentExams *(3 rows)*

	Column	Data Type	Identity	Nullable	Default
PK, FK	student_id	int			
PK, FK	examId	int			
	mark	float		X	

Indexes:

PK_studentExams *(Primary Key) (Clustered)*

      student_id
      examId

References:

dbo.Exam *(examId -> Exam_id)*

dbo.Student *(student_id -> stud_id)*

Used by:

Procedure dbo.calculateCourseGrade

Procedure dbo.markExam

Procedure dbo.studAnswer

Procedure dbo.takeExam

Table dbo.Topic *(8 rows)*

	Column	Data Type	Identity	Nullable	Default
PK	Topic_id	int	X		
	topicName	varchar(30)			
FK	crs_id	int			

Indexes:

PK_Topic *(Primary Key) (Clustered)*

      Topic_id

References:

dbo.Course *(crs_id)*

Used by:

Procedure dbo.deleteCourse

Procedure dbo.deleteTopic

Procedure dbo.getTopics

Procedure dbo.insertTopic

Procedure dbo.selectTopic

Procedure dbo.updateTopic

Procedures:

Procedure dbo.addmcqQ

Parameter	Data Type	Default	Is Output
@instr_Id	int		
@courseName	varchar(15)		
@Qheader	varchar(200)		
@modelAns	varchar(60)		
@choice1	varchar(60)		
@choice2	varchar(60)		
@choice3	varchar(60)		
@choice4	varchar(60)		

Result:

Column	Data Type	Nullable
(No column name)	varchar(74)	

Uses:

> **Table dbo.Course**
>
> **Table dbo.quest_choices**
>
> **Table dbo.Question**

Procedure dbo.addTrueFalseQ

Parameter	Data Type	Default	Is Output
@instr_Id	int		
@courseName	varchar(15)		
@Qheader	varchar(200)		
@modelAns	varchar(10)		

Result:

Column	Data Type	Nullable
(No column name)	varchar(74)	

Uses:

> **Table dbo.Course**
>
> **Table dbo.quest_choices**
>
> **Table dbo.Question**

Procedure dbo.AllstudentAnswers

Parameter	Data Type	Default	Is Output
@examId	int		
@studentid	int		

Result:

Column	Data Type	Nullable
Qheader	varchar(200)	
stud_Ans	varchar(60)	X

Uses:

       Table dbo.Question

       Table dbo.stud_Ans

Procedure dbo.calculateCourseGrade

Parameter	Data Type	Default	Is Output
@studentId	int		
@courseName	varchar(20)		

Result:

Column	Data Type	Nullable
(No column name)	varchar(22)	

Uses:

       Table dbo.Course

       Table dbo.Exam

       Table dbo.stud_courses

       Table dbo.studentExams

Procedure dbo.courseQuestions

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

Result:

Column	Data Type	Nullable
(No column name)	varchar(21)	

Uses:

       Table dbo.Course

       Table dbo.quest_choices

       Table dbo.Question

Procedure dbo.createDept

Parameter	Data Type	Default	Is Output
@deptName	varchar(30)		
@managerId	int		

Uses:

       Table dbo.Department

Procedure dbo.delete_instr_dept

Parameter	Data Type	Default	Is Output

| @instr_id | int | | |
| @dept_id | int | | |

Procedure dbo.delete_instructor

Parameter	Data Type	Default	Is Output
@instr_id	int		

Result:

Column	Data Type	Nullable
(No column name)	varchar(20)	

Uses:

Table dbo.instr_phones

Procedure dbo.delete_phones

Parameter	Data Type	Default	Is Output
@instr_id	int		

Result:

Column	Data Type	Nullable
(No column name)	varchar(20)	

Uses:

Table dbo.instr_phones

Procedure dbo.deleteCourse

Parameter	Data Type	Default	Is Output
@id	int		

Uses:

Table dbo.Course

Table dbo.Topic

Procedure dbo.deleteDept

Parameter	Data Type	Default	Is Output
@id	int		

Result:

Column	Data Type	Nullable
(No column name)	varchar(20)	

Uses:

Table dbo.Department

Procedure dbo.deleteExam

Parameter	Data Type	Default	Is Output
@courseName	varchar(20)		
@examId	int		

Result:

Column	Data Type	Nullable
(No column name)	varchar(17)	

Uses:

       Table dbo.Course

       Table dbo.Exam

       Table dbo.generate_Exam

Procedure dbo.deleteQuestionByHeader

Parameter	Data Type	Default	Is Output
@instr_Id	int		
@courseName	varchar(15)		
@questionId	int		

Result:

Column	Data Type	Nullable
(No column name)	varchar(77)	

Uses:

       Table dbo.Course

       Table dbo.generate_Exam

       Table dbo.quest_choices

       Table dbo.Question

Procedure dbo.deleteQuestionByNum

Parameter	Data Type	Default	Is Output
@instr_Id	int		
@courseName	varchar(15)		
@questionID	int		

Result:

Column	Data Type	Nullable
(No column name)	varchar(77)	

Uses:

       Table dbo.Course

       Table dbo.quest_choices

Table dbo.Question

Procedure dbo.deleteQuestionByQHeader

Parameter	Data Type	Default	Is Output
@instr_Id	int		
@courseName	varchar(15)		
@Qheader	varchar(200)		

Result:

Column	Data Type	Nullable
(No column name)	varchar(77)	

Uses:

Table dbo.Course

Table dbo.generate_Exam

Table dbo.quest_choices

Table dbo.Question

Procedure dbo.deletestud_courses

Parameter	Data Type	Default	Is Output
@crsID	int		
@stID	int		

Result:

Column	Data Type	Nullable
(No column name)	varchar(18)	

Uses:

Table dbo.stud_courses

Procedure dbo.deleteStudent

Parameter	Data Type	Default	Is Output
@id	int		

Result:

Column	Data Type	Nullable
(No column name)	varchar(17)	

Uses:

Table dbo.stud_phones

Table dbo.Student

Procedure dbo.deleteStudPhone

Parameter	Data Type	Default	Is Output

@id	int		

Result:

Column	Data Type	Nullable
(No column name)	varchar(17)	

Uses:

      Table dbo.stud_phones

      Table dbo.Student

Procedure dbo.deleteTopic

Parameter	Data Type	Default	Is Output
@id	int		

Result:

Column	Data Type	Nullable
(No column name)	varchar(15)	

Uses:

      Table dbo.Topic

Procedure dbo.displayCourseExamsWithDetails

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

Result:

Column	Data Type	Nullable
Exam_id	int	
ExamName	varchar(20)	
examDate	date	X
Duration_in_minutes	int	
total_marks	int	
crs_id	int	
(No column name)	varchar(20)	X

Uses:

      Table dbo.Course

      Table dbo.Exam

Procedure dbo.displayExamQuestions

Parameter	Data Type	Default	Is Output
@courseName	varchar(20)		
@examId	int		

Result:

Column	Data Type	Nullable

Column	Data Type	Nullable
(No column name)	varchar(21)	

Uses:

> **Table dbo.Course**
>
> **Table dbo.Exam**
>
> **Table dbo.generate_Exam**
>
> **Table dbo.quest_choices**
>
> **Table dbo.Question**

Procedure dbo.generateExam

Parameter	Data Type	Default	Is Output
@courseName	varchar(15)		
@examName	varchar(15)		
@examDate	date		
@durationInMinutes	int		
@total_marks	int		
@numOfTrueFlaseQ	int		
@numOfMcqQ	int		

Uses:

> **Table dbo.Course**
>
> **Table dbo.Exam**
>
> **Table dbo.generate_Exam**
>
> **Table dbo.Question**

Procedure dbo.getTopics

Parameter	Data Type	Default	Is Output
@crsID	int		

Result:

Column	Data Type	Nullable
(No column name)	varchar(22)	

Uses:

> **Table dbo.Course**
>
> **Table dbo.Topic**

Procedure dbo.grades

Parameter	Data Type	Default	Is Output
@stID	int		

Result:

Column	Data Type	Nullable
(No column name)	varchar(27)	

Uses:

      Table dbo.Course

      Table dbo.stud_courses

      Table dbo.Student

Procedure dbo.insert_inst_dept

Parameter	Data Type	Default	Is Output
@instr_id	int		
@dept_id	int		

Result:

Column	Data Type	Nullable
(No column name)	varchar(37)	

Uses:

      Table dbo.Department

Procedure dbo.insert_instructor

Parameter	Data Type	Default	Is Output
@fname	varchar(25)		
@lname	varchar(25)		
@hire_date	date		
@email	varchar(50)		
@phone1	varchar(15)		
@phone2	varchar(15)	null	

Uses:

      Table dbo.instr_phones

Procedure dbo.insertCourse

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

Uses:

      Table dbo.Course

Procedure dbo.insertDept

Parameter	Data Type	Default	Is Output
@deptname	varchar(30)		
@mgr_id	int		

Result:

Column	Data Type	Nullable

(No column name)	varchar(20)	

Uses:

> **Table dbo.Department**

Procedure dbo.insertstud_courses

Parameter	Data Type	Default	Is Output
@crsID	int		
@stID	int		
@grade	char(2)		

Result:

Column	Data Type	Nullable
(No column name)	varchar(15)	

Uses:

> **Table dbo.Course**
>
> **Table dbo.stud_courses**
>
> **Table dbo.Student**

Procedure dbo.insertStudent

Parameter	Data Type	Default	Is Output
@Fname	varchar(25)		
@Lname	varchar(25)		
@Email	varchar(50)		
@Birthdate	date		
@gender	char(1)		
@dept_id	int		
@phone	varchar(15)		
@phone2	varchar(15)	NULL	

Result:

Column	Data Type	Nullable
(No column name)	varchar(22)	

Uses:

> **Table dbo.Department**
>
> **Table dbo.stud_phones**
>
> **Table dbo.Student**

Procedure dbo.insertTopic

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

Uses:

       Table dbo.Topic

Procedure dbo.markExam

Parameter	Data Type	Default	Is Output
@studentId	int		
@examId	int		

Result:

Column	Data Type	Nullable
studentMarksScore	float	X
examTotalMark	int	X
(No column name)	varchar(54)	

Uses:

       Table dbo.Exam

       Table dbo.stud_Ans

       Table dbo.studentExams

Procedure dbo.markQuestions

Parameter	Data Type	Default	Is Output
@studentId	int		
@examId	int		

Uses:

       Table dbo.Exam

       Table dbo.generate_Exam

       Table dbo.Question

       Table dbo.stud_Ans

Procedure dbo.noOfStudent

Parameter	Data Type	Default	Is Output
@insID	int		

Result:

Column	Data Type	Nullable
(No column name)	varchar(30)	

Uses:

       Table dbo.Course

       Table dbo.stud_courses

Procedure dbo.QsInExam

Parameter	Data Type	Default	Is Output
@exID	int		

Result:

Column	Data Type	Nullable
(No column name)	varchar(19)	

Uses:

> **Table dbo.Exam**

> **Table dbo.generate_Exam**

> **Table dbo.Question**

Procedure dbo.select_inst_dept

> *No parameters.*

Uses:

> **Table dbo.Department**

Procedure dbo.select_instructor

> *No parameters.*

Result:

Column	Data Type	Nullable
Instr_id	int	
Fname	varchar(25)	
Lname	varchar(25)	
HireDate	date	X
Email	varchar(50)	X
dept_id	int	
phone1	varchar(15)	
phone2	varchar(15)	X

Uses:

> **Table dbo.instr_phones**

Procedure dbo.select_phones

> *No parameters.*

Result:

Column	Data Type	Nullable
instructor name	varchar(51)	
phone1	varchar(15)	
phone2	varchar(15)	X

Uses:

Table dbo.instr_phones

Procedure dbo.selectalldepts

No parameters.

Result:

Column	Data Type	Nullable
dept_Name	varchar(30)	
manageName	varchar(51)	

Uses:

Table dbo.Department

Procedure dbo.selectCourse

No parameters.

Result:

Column	Data Type	Nullable
crs_id	int	
Name	varchar(30)	
intr_id	int	

Uses:

Table dbo.Course

Procedure dbo.selectDept

Parameter	Data Type	Default	Is Output
@id	int		

Uses:

Table dbo.Department

Procedure dbo.selectPhone

No parameters.

Result:

Column	Data Type	Nullable
stud_id	int	
phone1	varchar(15)	
phone2	varchar(15)	X

Uses:

Table dbo.stud_phones

Procedure dbo.selectstud_courses

No parameters.

Result:

Column	Data Type	Nullable
crs_id	int	
stud_id	int	
grade	char(2)	X

Uses:

Table dbo.stud_courses

Procedure dbo.selectStudent

No parameters.

Result:

Column	Data Type	Nullable
stud_id	int	
Fname	varchar(25)	
Lname	varchar(25)	
Email	varchar(50)	X
Birth_Date	date	X
gender	char(1)	X
dept_id	int	X

Uses:

Table dbo.stud_phones

Table dbo.Student

Procedure dbo.selectTopic

No parameters.

Result:

Column	Data Type	Nullable
Topic_id	int	
topicName	varchar(30)	
crs_id	int	

Uses:

Table dbo.Topic

Procedure dbo.studAnswer

Parameter	Data Type	Default	Is Output
@studentId	int		
@examId	int		
@questionId	int		
@stud_Ans	varchar(60)		

Result:

Column	Data Type	Nullable
(No column name)	varchar(82)	

Uses:

> **Table dbo.stud_Ans**
>
> **Table dbo.studentExams**

Procedure dbo.studentTakeCourse

Parameter	Data Type	Default	Is Output
@studnetId	int		
@courseName	varchar(20)		

Result:

Column	Data Type	Nullable
(No column name)	varchar(21)	

Uses:

> **Table dbo.Course**
>
> **Table dbo.stud_courses**

Procedure dbo.StuInDept

Parameter	Data Type	Default	Is Output
@deptID	int		

Result:

Column	Data Type	Nullable
message	varchar(41)	

Uses:

> **Table dbo.Department**
>
> **Table dbo.stud_phones**
>
> **Table dbo.Student**

Procedure dbo.takeExam

Parameter	Data Type	Default	Is Output
@studentId	int		
@examId	int		

Result:

Column	Data Type	Nullable
(No column name)	varchar(54)	

Uses:

> **Table dbo.Exam**
>
> **Table dbo.generate_Exam**
>
> **Table dbo.stud_Ans**
>
> **Table dbo.stud_courses**
>
> **Table dbo.studentExams**

Procedure dbo.update_inst_dept

Parameter	Data Type	Default	Is Output
@instr_id	int		
@dept_id	int		
@newdept	int		

Result:

Column	Data Type	Nullable
(No column name)	varchar(37)	

Uses:

> **Table dbo.Department**

Procedure dbo.update_instructor

Parameter	Data Type	Default	Is Output
@instr_id	int		
@fname	varchar(25)		
@lname	varchar(25)		
@hire_date	date		
@email	varchar(50)		
@phone1	varchar(15)		
@phone2	varchar(15)	null	

Result:

Column	Data Type	Nullable
(No column name)	varchar(20)	

Uses:

> **Table dbo.instr_phones**

Procedure dbo.update_phones

Parameter	Data Type	Default	Is Output
@instr_id	int		
@phone1	varchar(15)		
@phone2	varchar(15)	null	

Result:

Column	Data Type	Nullable
(No column name)	varchar(20)	

Uses:

> **Table dbo.instr_phones**

Procedure dbo.updateCourse

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

Result:

Column	Data Type	Nullable
(No column name)	varchar(20)	

Uses:

> **Table dbo.Course**

Procedure dbo.updateDept

Parameter	Data Type	Default	Is Output
@id	int		
@deptname	varchar(30)		
@mgr_id	int		

Result:

Column	Data Type	Nullable
(No column name)	varchar(20)	

Uses:

> **Table dbo.Department**

Procedure dbo.updatestud_courses

Parameter	Data Type	Default	Is Output
@crsID	int		
@stID	int		
@grade	char(2)		

Result:

Column	Data Type	Nullable
(No column name)	varchar(18)	

Uses:

> **Table dbo.Course**
>
> **Table dbo.stud_courses**
>
> **Table dbo.Student**

Procedure dbo.updateStudent

Parameter	Data Type	Default	Is Output
@id	int		
@Fname	varchar(25)		
@Lname	varchar(25)		
@Email	varchar(50)		
@Bdate	date		
@gender	char(1)		
@dept_id	int		

Result:

Column	Data Type	Nullable
(No column name)	varchar(17)	

Uses:

Table dbo.Department

Table dbo.Student

Procedure dbo.updateStudPhone

Parameter	Data Type	Default	Is Output
@id	int		
@phone1	varchar(15)		
@phone2	varchar(15)	NULL	

Result:

Column	Data Type	Nullable
(No column name)	varchar(17)	

Uses:

Table dbo.stud_phones

Table dbo.Student

Procedure dbo.updateTopic

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

Result:

Column	Data Type	Nullable
(No column name)	varchar(15)	

Uses:

Table dbo.Topic