sqlproject.database.windows.net Documentation

sqlproject

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🖥️ *sqlproject.database.windows.net*

Databases (1)

- 🗄️ sqlproject

Server Properties

Property	Value
Edition	SQL Azure

🗀 User databases

Databases (1)

- 🗄 sqlproject

⊟ sqlproject Database

Database Properties

Property	Value
SQL Server Version	Azure Sql Database
Compatibility Level	Max
Creation date	3/7/2022 12:28:00 PM

Database Options

Property	Value
Compatibility Level	150
Database collation	SQL_Latin1_General_CP1_CI_AS
Restrict access	MULTI_USER
Is read-only	False
Auto close	False
Auto shrink	False
Database status	ONLINE
In standby	False
Cleanly shutdown	False
Supplemental logging enabled	False
Snapshot isolation state	ON
Read committed snapshot on	True
Recovery model	FULL
Page verify option	CHECKSUM
Auto create statistics	True
Auto update statistics	True
Auto update statistics asynchronously	False
ANSI NULL default	False
ANSI NULL enabled	False
ANSI padding enabled	False
ANSI warnings enabled	False
Arithmetic abort enabled	False
Concatenating NULL yields NULL	False
Numeric roundabort enabled	False
Quoted Identifier On	False
Recursive triggers enabled	False
Close cursors on commit	False
Local cursors by default	False
Fulltext enabled	True
Trustworthy	False

Database chaining	False
Forced parameterization	False
Master key encrypted by server	False
Published	False
Subscribed	False
Merge published	False
Is distribution database	False
Sync with backup	False
Service broker GUID	204cbb14-3c80-47fe-bb8b-629d5566764b
Service broker enabled	True
Log reuse wait	NOTHING
Date correlation	False
CDC enabled	False
Encrypted	True
Honor broker priority	False
Containment	NONE
Target recovery time	120

🖽 *Tables*

Objects

Name
dbo.Admin
dbo.Answers
dbo.Course
dbo.Department
dbo.Dept_Course
dbo.ExamQuestion
dbo.Instructor
dbo.Questions
dbo.Stud_Course
dbo.Student
dbo.Teach
dbo.Topic
dbo.Works_ON

▦ [dbo].[Admin]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	2
Created	9:06:25 PM Saturday, March 26, 2022
Last Modified	9:06:26 PM Saturday, March 26, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity
PK C	admin_id	int	4	NOT NULL	1 - 1
	admin_name	nchar(10)	20	NOT NULL	
	admin_phone	varchar(15)	15	NOT NULL	
	admin_password	varchar(64)	64	NOT NULL	

Indexes

Key	Name	Key Columns	Unique
PK C	PK_Admin	admin_id	True

SQL Script

```
CREATE TABLE [dbo].[Admin]
(
[admin_id] [int] NOT NULL IDENTITY(1, 1),
[admin_name] [nchar] (10) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[admin_phone] [varchar] (15) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[admin_password] [varchar] (64) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL
)
GO
ALTER TABLE [dbo].[Admin] ADD CONSTRAINT [PK_Admin] PRIMARY KEY CLUSTERED
([admin_id])
GO
```

Used By

[dbo].[selectadmin]
[dbo].[sp_DeleteAdmin]
[dbo].[sp_insertAdmin]
[dbo].[sp_selectAllAdmins]
[dbo].[sp_updateAdmin]

[dbo].[sp_updateAdminNoPassword]

📇 [dbo].[Answers]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	121
Created	12:51:40 PM Tuesday, March 8, 2022
Last Modified	6:19:46 PM Tuesday, March 15, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity
PK C	Ans_ID	int	4	NOT NULL	1 - 1
FK	Ques_ID	int	4	NOT NULL	
	Ans_Text	varchar(300)	300	NOT NULL	

Indexes

Key	Name	Key Columns	Unique
PK C	PK_Answers_1	Ans_ID	True

Foreign Keys

Name	Delete	Columns
FK_Answers_Questions	Cascade	Ques_ID->[dbo].[Questions].[Ques_ID]

SQL Script

```
CREATE TABLE [dbo].[Answers]
(
[Ans_ID] [int] NOT NULL IDENTITY(1, 1),
[Ques_ID] [int] NOT NULL,
[Ans_Text] [varchar] (300) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL
)
GO
ALTER TABLE [dbo].[Answers] ADD CONSTRAINT [PK_Answers_1] PRIMARY KEY CLUSTERED
([Ans_ID])
GO
ALTER TABLE [dbo].[Answers] ADD CONSTRAINT [FK_Answers_Questions] FOREIGN KEY
([Ques_ID]) REFERENCES [dbo].[Questions] ([Ques_ID]) ON DELETE CASCADE
GO
```

Uses

[dbo].[Questions]

Used By

[dbo].[ExamQuestion]
[dbo].[Questions]
[dbo].[delete_Question]
[dbo].[get_Exam]
[dbo].[insert_MCQ_Question_Answer]
[dbo].[insert_TF_Question_Answer]
[dbo].[Report_std_exam_w_Ans]
[dbo].[sp_select_all_Questions_answers_per_course]
[dbo].[sp_Select_Answers_Per_Qusetion]
[dbo].[Update_MCQ_Question_Answer]
[dbo].[Update_TF_Question_Answer]

🖾 [dbo].[Course]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	8
Created	7:38:15 PM Wednesday, March 9, 2022
Last Modified	11:41:39 AM Saturday, March 26, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity	Default
PK C	Crs_ID	int	4	NOT NULL	1 - 1	
	Crs_Name	varchar(50)	50	NOT NULL		
	Crs_Hours	int	4	NOT NULL		
	Split_Questions	int	4	NULL allowed		
	passing_Grade	int	4	NOT NULL		((60))
	max_Takes	int	4	NOT NULL		((2))

Indexes

Key	Name	Key Columns	Unique
PK C	PK_Course	Crs_ID	True

Triggers

Name	ANSI Nulls On	Quoted Identifier On	On
t_delete_Course	True	True	Instead Of Delete

SQL Script

```
CREATE TABLE [dbo].[Course]
(
[Crs_ID] [int] NOT NULL IDENTITY(1, 1),
[Crs_Name] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[Crs_Hours] [int] NOT NULL,
[Split_Questions] [int] NULL,
[passing_Grade] [int] NOT NULL CONSTRAINT [DF_Course_passing_Grade] DEFAULT ((60)),
[max_Takes] [int] NOT NULL CONSTRAINT [DF_Course_max_Takes] DEFAULT ((2))
)
GO
create trigger [dbo].[t_delete_Course]
```

```
on [dbo].[Course]
instead of delete
as
begin
    delete ExamQuestion
    from ExamQuestion
    inner join deleted
    on deleted.crs_id = ExamQuestion.Crs_ID;

    delete Course
    from Course
    inner join deleted
    on deleted.crs_id = Course.Crs_ID;

end

GO
ALTER TABLE [dbo].[Course] ADD CONSTRAINT [PK_Course] PRIMARY KEY CLUSTERED ([Crs_-
ID])
GO
```

Used By

[dbo].[Dept_Course]

[dbo].[ExamQuestion]

[dbo].[Questions]

[dbo].[Stud_Course]

[dbo].[Teach]

[dbo].[Topic]

[dbo].[countstudentincoursewithspecificins]

[dbo].[create_Exam]

[dbo].[Get_Generate_exam]

[dbo].[Report_std_crs_grade]

[dbo].[sp_deletecourse]

[dbo].[sp_insertcourse]

[dbo].[sp_selectallcourses]

[dbo].[sp_selectcourse]

[dbo].[sp_selectcoursesforinstructor]

[dbo].[sp_selectcoursesforStudent]

[dbo].[sp_selectcoursesindepartment]

[dbo].[sp_selectcrsgrade]

[dbo].[sp_selectstudentsincourse]

[dbo].[sp_updatecourse]

⊞ [dbo].[Department]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	5
Created	10:37:02 AM Tuesday, March 8, 2022
Last Modified	11:41:38 AM Saturday, March 26, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity
PK C	Dept_ID	int	4	NOT NULL	1 - 1
	Dept_Name	varchar(50)	50	NOT NULL	
FK	Manager_ID	int	4	NOT NULL	

Indexes

Key	Name	Key Columns	Unique
PK C	PK_Department	Dept_ID	True

Foreign Keys

Name	Columns
FK_Department_Instructor	Manager_ID->[dbo].[Instructor].[Ins_ID]

SQL Script

```
CREATE TABLE [dbo].[Department]
(
[Dept_ID] [int] NOT NULL IDENTITY(1, 1),
[Dept_Name] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[Manager_ID] [int] NOT NULL
)
GO
ALTER TABLE [dbo].[Department] ADD CONSTRAINT [PK_Department] PRIMARY KEY CLUSTERED
([Dept_ID])
GO
ALTER TABLE [dbo].[Department] ADD CONSTRAINT [FK_Department_Instructor] FOREIGN KEY
([Manager_ID]) REFERENCES [dbo].[Instructor] ([Ins_ID])
GO
```

Uses

[dbo].[Instructor]

Used By

[dbo].[Dept_Course]
[dbo].[Student]
[dbo].[Works_ON]
[dbo].[sp_deletedepartment]
[dbo].[sp_insertDepartment]
[dbo].[sp_isDepartmentManager]
[dbo].[sp_selectalldepartments]
[dbo].[sp_selectDepartment]
[dbo].[sp_updateDepartment]
[dbo].[StudentLogin]

▦ [dbo].[Dept_Course]

Properties

Property	Value
Row Count (~)	7
Created	10:51:58 AM Tuesday, March 8, 2022
Last Modified	7:43:20 PM Sunday, March 13, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PK C FK	Dept_ID	int	4	NOT NULL
PK C FK	Crs_ID	int	4	NOT NULL

Indexes

Key	Name	Key Columns	Unique
PK C	PK_Dept_Course	Dept_ID, Crs_ID	True

Foreign Keys

Name	Delete	Columns
FK_Dept_Course_Course	Cascade	Crs_ID->[dbo].[Course].[Crs_ID]
FK_Dept_Course_Department	Cascade	Dept_ID->[dbo].[Department].[Dept_ID]

SQL Script

```
CREATE TABLE [dbo].[Dept_Course]
(
[Dept_ID] [int] NOT NULL,
[Crs_ID] [int] NOT NULL
)
GO
ALTER TABLE [dbo].[Dept_Course] ADD CONSTRAINT [PK_Dept_Course] PRIMARY KEY
CLUSTERED ([Dept_ID], [Crs_ID])
GO
ALTER TABLE [dbo].[Dept_Course] ADD CONSTRAINT [FK_Dept_Course_Course] FOREIGN KEY
([Crs_ID]) REFERENCES [dbo].[Course] ([Crs_ID]) ON DELETE CASCADE
GO
ALTER TABLE [dbo].[Dept_Course] ADD CONSTRAINT [FK_Dept_Course_Department] FOREIGN
KEY ([Dept_ID]) REFERENCES [dbo].[Department] ([Dept_ID]) ON DELETE CASCADE
GO
```

Uses

[dbo].[Course]
[dbo].[Department]

Used By

[dbo].[sp_DeleteCourseFromDepartment]
[dbo].[sp_insertCourseToDepartment]
[dbo].[sp_selectcoursesindepartment]

▦ [dbo].[ExamQuestion]

Properties

Property	Value
Row Count (~)	30
Created	10:47:57 AM Tuesday, March 8, 2022
Last Modified	2:40:27 PM Friday, March 25, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PK/FK	Std_ID	int	4	NOT NULL
PK/FK	Crs_ID	int	4	NOT NULL
PK/FK	Ques_ID	int	4	NOT NULL
PK	Std_Take	int	4	NOT NULL
	Exam_Generate_Date	date	3	NOT NULL
	Exam_Submit_Date	date	3	NULL allowed
FK	Std_Ans_ID	int	4	NULL allowed

Indexes

Key	Name	Key Columns	Unique
PK	PK_ExamQuestion	Std_ID, Crs_ID, Ques_ID, Std_Take	True

Foreign Keys

Name	Delete	Columns
FK_ExamQuestion_Answers		Std_Ans_ID->[dbo].[Answers].[Ans_ID]
FK_ExamQuestion_Course	Cascade	Crs_ID->[dbo].[Course].[Crs_ID]
FK_ExamQuestion_Questions		Ques_ID->[dbo].[Questions].[Ques_ID]
FK_ExamQuestion_Student		Std_ID->[dbo].[Student].[Std_ID]

SQL Script

```
CREATE TABLE [dbo].[ExamQuestion]
(
[Std_ID] [int] NOT NULL,
[Crs_ID] [int] NOT NULL,
```

```sql
[Ques_ID] [int] NOT NULL,
[Std_Take] [int] NOT NULL,
[Exam_Generate_Date] [date] NOT NULL,
[Exam_Submit_Date] [date] NULL,
[Std_Ans_ID] [int] NULL
)
GO
ALTER TABLE [dbo].[ExamQuestion] ADD CONSTRAINT [PK_ExamQuestion] PRIMARY KEY
CLUSTERED ([Std_ID], [Crs_ID], [Ques_ID], [Std_Take])
GO
ALTER TABLE [dbo].[ExamQuestion] ADD CONSTRAINT [FK_ExamQuestion_Answers] FOREIGN
KEY ([Std_Ans_ID]) REFERENCES [dbo].[Answers] ([Ans_ID])
GO
ALTER TABLE [dbo].[ExamQuestion] ADD CONSTRAINT [FK_ExamQuestion_Course] FOREIGN KEY
([Crs_ID]) REFERENCES [dbo].[Course] ([Crs_ID]) ON DELETE CASCADE
GO
ALTER TABLE [dbo].[ExamQuestion] ADD CONSTRAINT [FK_ExamQuestion_Questions] FOREIGN
KEY ([Ques_ID]) REFERENCES [dbo].[Questions] ([Ques_ID])
GO
ALTER TABLE [dbo].[ExamQuestion] ADD CONSTRAINT [FK_ExamQuestion_Student] FOREIGN
KEY ([Std_ID]) REFERENCES [dbo].[Student] ([Std_ID])
GO
```

Uses

[dbo].[Answers]
[dbo].[Course]
[dbo].[Questions]
[dbo].[Student]

Used By

[dbo].[Calculate_Grade]
[dbo].[create_Exam]
[dbo].[delete_Question]
[dbo].[get_Exam]
[dbo].[Report_std_exam_w_Ans]
[dbo].[submit_Answer]
[dbo].[fn_Get_Max_Take]

⊞ [dbo].[Instructor]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	3
Created	6:35:57 PM Friday, March 25, 2022
Last Modified	6:36:32 PM Friday, March 25, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity
PK C	Ins_ID	int	4	NOT NULL	1 - 1
	Ins_Name	varchar(50)	50	NOT NULL	
	Ins_Phone	varchar(15)	15	NOT NULL	
	Ins_Email	varchar(50)	50	NOT NULL	
	Ins_Degree	varchar(50)	50	NOT NULL	
	Ins_Password	varchar(64)	64	NOT NULL	

Indexes

Key	Name	Key Columns	Unique
PK C	PK_Instructor	Ins_ID	True

SQL Script

```
CREATE TABLE [dbo].[Instructor]
(
[Ins_ID] [int] NOT NULL IDENTITY(1, 1),
[Ins_Name] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[Ins_Phone] [varchar] (15) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[Ins_Email] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[Ins_Degree] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[Ins_Password] [varchar] (64) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL
)
GO
ALTER TABLE [dbo].[Instructor] ADD CONSTRAINT [PK_Instructor] PRIMARY KEY CLUSTERED
([Ins_ID])
GO
```

Used By

[dbo].[Department]

[dbo].[Teach]
[dbo].[Works_ON]
[dbo].[InstructorLogin]
[dbo].[sp_deleteinstructor]
[dbo].[sp_insertInstructor]
[dbo].[sp_select_Ins_per_Crs]
[dbo].[sp_selectAllInstructors]
[dbo].[sp_selectInstructor]
[dbo].[sp_selectInstructorsInDepartmrnt]
[dbo].[sp_updateInstructor]
[dbo].[sp_updateInstructorNoPassword]

⊞ [dbo].[Questions]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	40
Created	10:41:45 AM Tuesday, March 8, 2022
Last Modified	6:19:47 PM Tuesday, March 15, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity
PK C	Ques_ID	int	4	NOT NULL	1 - 1
	Is_MCQ	bit	1	NOT NULL	
	Ques_Text	nvarchar(max)	max	NOT NULL	
	Ques_Grade	int	4	NOT NULL	
FK	Crs_ID	int	4	NOT NULL	
FK	Correct_Ans_ID	int	4	NOT NULL	

Indexes

Key	Name	Key Columns	Unique
PK C	PK_Questions	Ques_ID	True

Foreign Keys

Name	Delete	Columns
FK_Questions_Answers		Correct_Ans_ID->[dbo].[Answers].[Ans_ID]
FK_Questions_Course	Cascade	Crs_ID->[dbo].[Course].[Crs_ID]

SQL Script

```
CREATE TABLE [dbo].[Questions]
(
[Ques_ID] [int] NOT NULL IDENTITY(1, 1),
[Is_MCQ] [bit] NOT NULL,
[Ques_Text] [nvarchar] (max) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[Ques_Grade] [int] NOT NULL,
[Crs_ID] [int] NOT NULL,
[Correct_Ans_ID] [int] NOT NULL
)
```

```
GO
ALTER TABLE [dbo].[Questions] ADD CONSTRAINT [PK_Questions] PRIMARY KEY CLUSTERED
([Ques_ID])
GO
ALTER TABLE [dbo].[Questions] ADD CONSTRAINT [FK_Questions_Answers] FOREIGN KEY
([Correct_Ans_ID]) REFERENCES [dbo].[Answers] ([Ans_ID])
GO
ALTER TABLE [dbo].[Questions] ADD CONSTRAINT [FK_Questions_Course] FOREIGN KEY
([Crs_ID]) REFERENCES [dbo].[Course] ([Crs_ID]) ON DELETE CASCADE
GO
```

Uses

[dbo].[Answers]
[dbo].[Course]

Used By

[dbo].[Answers]
[dbo].[ExamQuestion]
[dbo].[Calculate_Grade]
[dbo].[create_Exam]
[dbo].[delete_Question]
[dbo].[get_Exam]
[dbo].[insert_MCQ_Question_Answer]
[dbo].[insert_TF_Question_Answer]
[dbo].[Report_std_exam_w_Ans]
[dbo].[sp_select_all_Questions_answers_per_course]
[dbo].[sp_select_all_Questions_per_course]
[dbo].[sp_Select_Answers_Per_Qusetion]
[dbo].[Update_MCQ_Question_Answer]
[dbo].[Update_TF_Question_Answer]

🔢 [dbo].[Stud_Course]

Properties

Property	Value
Row Count (~)	5
Created	7:53:41 PM Wednesday, March 9, 2022
Last Modified	2:40:26 PM Friday, March 25, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK C FK	Std_ID	int	4	NOT NULL	
PK C FK	Crs_ID	int	4	NOT NULL	
	Std_Grade	int	4	NULL allowed	
	best_take	int	4	NOT NULL	((1))

Indexes

Key	Name	Key Columns	Unique
PK C	PK_Stud_Course	Std_ID, Crs_ID	True

Foreign Keys

Name	Delete	Columns
FK_Stud_Course_Course	Cascade	Crs_ID->[dbo].[Course].[Crs_ID]
FK_Stud_Course_Student		Std_ID->[dbo].[Student].[Std_ID]

SQL Script

```
CREATE TABLE [dbo].[Stud_Course]
(
[Std_ID] [int] NOT NULL,
[Crs_ID] [int] NOT NULL,
[Std_Grade] [int] NULL,
[best_take] [int] NOT NULL CONSTRAINT [DF_Stud_Course_best_take] DEFAULT ((1))
)
GO
ALTER TABLE [dbo].[Stud_Course] ADD CONSTRAINT [PK_Stud_Course] PRIMARY KEY
CLUSTERED ([Std_ID], [Crs_ID])
GO
ALTER TABLE [dbo].[Stud_Course] ADD CONSTRAINT [FK_Stud_Course_Course] FOREIGN KEY
([Crs_ID]) REFERENCES [dbo].[Course] ([Crs_ID]) ON DELETE CASCADE
```

```
GO
ALTER TABLE [dbo].[Stud_Course] ADD CONSTRAINT [FK_Stud_Course_Student] FOREIGN KEY
([Std_ID]) REFERENCES [dbo].[Student] ([Std_ID])
GO
```

Uses

[dbo].[Course]
[dbo].[Student]

Used By

[dbo].[Calculate_Last_Grade]
[dbo].[Calculate_Max_Grade]
[dbo].[countstudentincoursewithspecificins]
[dbo].[Get_Generate_exam]
[dbo].[getStudentsPerCourse]
[dbo].[Report_std_crs_grade]
[dbo].[Report_std_exam_w_Ans_best]
[dbo].[sp_deletestudentcourse]
[dbo].[sp_insertstudentcourse]
[dbo].[sp_selectcoursesforStudent]
[dbo].[sp_selectcrsgrade]
[dbo].[sp_selectstudentsincourse]

▦ [dbo].[Student]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	13
Created	2:40:20 PM Friday, March 25, 2022
Last Modified	2:40:27 PM Friday, March 25, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity
PK C	Std_ID	int	4	NOT NULL	1 - 1
	Std_Fname	varchar(50)	50	NOT NULL	
	Std_Lname	varchar(50)	50	NOT NULL	
	Std_Mobile	varchar(15)	15	NULL allowed	
	Std_Address	nvarchar(50)	100	NULL allowed	
	Std_GradYear	int	4	NOT NULL	
FK	Dept_ID	int	4	NOT NULL	
	Std_Password	varchar(64)	64	NOT NULL	

Indexes

Key	Name	Key Columns	Unique
PK C	PK_Student	Std_ID	True

Foreign Keys

Name	Delete	Columns
FK_Student_Department	Cascade	Dept_ID->[dbo].[Department].[Dept_ID]

SQL Script

```
CREATE TABLE [dbo].[Student]
(
[Std_ID] [int] NOT NULL IDENTITY(1, 1),
[Std_Fname] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[Std_Lname] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[Std_Mobile] [varchar] (15) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[Std_Address] [nvarchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[Std_GradYear] [int] NOT NULL,
[Dept_ID] [int] NOT NULL,
```

```
[Std_Password] [varchar] (64) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL
)
GO
ALTER TABLE [dbo].[Student] ADD CONSTRAINT [PK_Student] PRIMARY KEY CLUSTERED ([Std_-
ID])
GO
ALTER TABLE [dbo].[Student] ADD CONSTRAINT [FK_Student_Department] FOREIGN KEY
([Dept_ID]) REFERENCES [dbo].[Department] ([Dept_ID]) ON DELETE CASCADE
GO
```

Uses

[dbo].[Department]

Used By

[dbo].[ExamQuestion]

[dbo].[Stud_Course]

[dbo].[countstudentincoursewithspecificins]

[dbo].[getStudentsPerCourse]

[dbo].[Report_std_crs_grade]

[dbo].[selectstudentindept]

[dbo].[sp_deletestudent]

[dbo].[sp_deletestudentcourse]

[dbo].[sp_insertStudent]

[dbo].[sp_insertstudentcourse]

[dbo].[sp_selectallstudents]

[dbo].[sp_selectcoursesforStudent]

[dbo].[sp_selectStudent]

[dbo].[sp_selectstudentsincourse]

[dbo].[sp_updateStudent]

[dbo].[sp_updateStudentNoPassword]

[dbo].[StudentLogin]

🖼 [dbo].[Teach]

Properties

Property	Value
Row Count (~)	2
Created	10:54:15 AM Tuesday, March 8, 2022
Last Modified	6:36:19 PM Friday, March 25, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PK C FK	Ins_ID	int	4	NOT NULL
PK C FK	Crs_ID	int	4	NOT NULL

Indexes

Key	Name	Key Columns	Unique
PK C	PK_Teach	Ins_ID, Crs_ID	True

Foreign Keys

Name	Delete	Columns
FK_Teach_Course	Cascade	Crs_ID->[dbo].[Course].[Crs_ID]
FK_Teach_Instructor	Cascade	Ins_ID->[dbo].[Instructor].[Ins_ID]

SQL Script

```
CREATE TABLE [dbo].[Teach]
(
[Ins_ID] [int] NOT NULL,
[Crs_ID] [int] NOT NULL
)
GO
ALTER TABLE [dbo].[Teach] ADD CONSTRAINT [PK_Teach] PRIMARY KEY CLUSTERED ([Ins_ID],
[Crs_ID])
GO
ALTER TABLE [dbo].[Teach] ADD CONSTRAINT [FK_Teach_Course] FOREIGN KEY ([Crs_ID])
REFERENCES [dbo].[Course] ([Crs_ID]) ON DELETE CASCADE
GO
ALTER TABLE [dbo].[Teach] ADD CONSTRAINT [FK_Teach_Instructor] FOREIGN KEY ([Ins_-
ID]) REFERENCES [dbo].[Instructor] ([Ins_ID]) ON DELETE CASCADE
GO
```

Uses

[dbo].[Course]
[dbo].[Instructor]

Used By

[dbo].[countstudentincoursewithspecificins]
[dbo].[sp_add_Ins_per_Crs]
[dbo].[sp_delete_Ins_Crs_from_Teach]
[dbo].[sp_insertteach]
[dbo].[sp_select_Ins_per_Crs]
[dbo].[sp_selectcoursesforinstructor]

🖽 [dbo].[Topic]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	1
Created	10:35:31 AM Tuesday, March 8, 2022
Last Modified	7:37:09 PM Sunday, March 13, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity
PK C FK	Crs_ID	int	4	NOT NULL	
PK C	Top_ID	int	4	NOT NULL	1 - 1
	Top_Name	varchar(50)	50	NOT NULL	

Indexes

Key	Name	Key Columns	Unique
PK C	PK_Topic	Crs_ID, Top_ID	True

Foreign Keys

Name	Delete	Columns
FK_Topic_Course	Cascade	Crs_ID->[dbo].[Course].[Crs_ID]

SQL Script

```sql
CREATE TABLE [dbo].[Topic]
(
[Crs_ID] [int] NOT NULL,
[Top_ID] [int] NOT NULL IDENTITY(1, 1),
[Top_Name] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL
)
GO
ALTER TABLE [dbo].[Topic] ADD CONSTRAINT [PK_Topic] PRIMARY KEY CLUSTERED ([Crs_ID],
[Top_ID])
GO
ALTER TABLE [dbo].[Topic] ADD CONSTRAINT [FK_Topic_Course] FOREIGN KEY ([Crs_ID])
REFERENCES [dbo].[Course] ([Crs_ID]) ON DELETE CASCADE
GO
```

Uses

[dbo].[Course]

Used By

[dbo].[sp_deletetopic]
[dbo].[sp_inserttopic]
[dbo].[sp_selecttopic]
[dbo].[sp_topicsincourse]
[dbo].[sp_updatetopic]

🖼 [dbo].[Works_ON]

Properties

Property	Value
Row Count (~)	5
Created	10:52:41 AM Tuesday, March 8, 2022
Last Modified	6:36:32 PM Friday, March 25, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PK C FK	Dept_ID	int	4	NOT NULL
PK C FK	Ins_ID	int	4	NOT NULL

Indexes

Key	Name	Key Columns	Unique
PK C	PK_Works_ON	Dept_ID, Ins_ID	True

Foreign Keys

Name	Delete	Columns
FK_Works_ON_Department	Cascade	Dept_ID->[dbo].[Department].[Dept_ID]
FK_Works_ON_Instructor	Cascade	Ins_ID->[dbo].[Instructor].[Ins_ID]

SQL Script

```
CREATE TABLE [dbo].[Works_ON]
(
[Dept_ID] [int] NOT NULL,
[Ins_ID] [int] NOT NULL
)
GO
ALTER TABLE [dbo].[Works_ON] ADD CONSTRAINT [PK_Works_ON] PRIMARY KEY CLUSTERED
([Dept_ID], [Ins_ID])
GO
ALTER TABLE [dbo].[Works_ON] ADD CONSTRAINT [FK_Works_ON_Department] FOREIGN KEY
([Dept_ID]) REFERENCES [dbo].[Department] ([Dept_ID]) ON DELETE CASCADE
GO
ALTER TABLE [dbo].[Works_ON] ADD CONSTRAINT [FK_Works_ON_Instructor] FOREIGN KEY
([Ins_ID]) REFERENCES [dbo].[Instructor] ([Ins_ID]) ON DELETE CASCADE
GO
```

Uses

[dbo].[Department]
[dbo].[Instructor]

Used By

[dbo].[sp_deleteworkon]
[dbo].[sp_insertworkon]
[dbo].[sp_selectInstructorsInDepartmrnt]
[dbo].[sp_updateworkon]

📰 *Stored Procedures*

Objects

Name
dbo.Calculate_Grade
dbo.Calculate_Last_Grade
dbo.Calculate_Max_Grade
dbo.countstudentincoursewithspecificins
dbo.create_Exam
dbo.delete_Question
dbo.get_Exam
dbo.Get_Generate_exam
dbo.Get_Max_Take
dbo.getStudentsPerCourse
dbo.insert_MCQ_Question_Answer
dbo.insert_TF_Question_Answer
dbo.InstructorLogin
dbo.Report_std_crs_grade
dbo.Report_std_exam_w_Ans
dbo.Report_std_exam_w_Ans_best
dbo.Report_std_exam_w_Ans_Last
dbo.selectadmin
dbo.selectstudentindept
dbo.sp_add_Ins_per_Crs
dbo.sp_delete_Ins_Crs_from_Teach
dbo.sp_DeleteAdmin
dbo.sp_deletecourse
dbo.sp_DeleteCourseFromDepartment
dbo.sp_deletedepartment
dbo.sp_deleteinstructor
dbo.sp_deletestudent
dbo.sp_deletestudentcourse
dbo.sp_deletetopic
dbo.sp_deleteworkon
dbo.sp_insertAdmin
dbo.sp_insertcourse
dbo.sp_insertCourseToDepartment
dbo.sp_insertDepartment
dbo.sp_insertInstructor
dbo.sp_insertStudent
dbo.sp_insertstudentcourse

dbo.sp_insertteach
dbo.sp_inserttopic
dbo.sp_insertworkon
dbo.sp_isDepartmentManager
dbo.sp_select_all_Questions_answers_per_course
dbo.sp_select_all_Questions_per_course
dbo.sp_Select_Answers_Per_Qusetion
dbo.sp_select_Ins_per_Crs
dbo.sp_selectAllAdmins
dbo.sp_selectallcourses
dbo.sp_selectalldepartments
dbo.sp_selectAllInstructors
dbo.sp_selectallstudents
dbo.sp_selectcourse
dbo.sp_selectcoursesforinstructor
dbo.sp_selectcoursesforStudent
dbo.sp_selectcoursesindepartment
dbo.sp_selectcrsgrade
dbo.sp_selectDepartment
dbo.sp_selectInstructor
dbo.sp_selectInstructorsInDepartmrnt
dbo.sp_selectStudent
dbo.sp_selectstudentsincourse
dbo.sp_selecttopic
dbo.sp_topicsincourse
dbo.sp_updateAdmin
dbo.sp_updateAdminNoPassword
dbo.sp_updatecourse
dbo.sp_updateDepartment
dbo.sp_updateInstructor
dbo.sp_updateInstructorNoPassword
dbo.sp_updateStudent
dbo.sp_updateStudentNoPassword
dbo.sp_updatetopic
dbo.sp_updateworkon
dbo.StudentLogin
dbo.submit_Answer
dbo.Update_MCQ_Question_Answer
dbo.Update_TF_Question_Answer

🖹 [dbo].[Calculate_Grade]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@Student_ID	int	4
@Course_ID	int	4
@take	int	4

SQL Script

```sql
CREATE proc [dbo].[Calculate_Grade] @Student_ID int , @Course_ID int , @take int
as
begin
    declare @correct_Anser_grades int;
    declare @std_grade float;
    declare @localTable table(qust_id int , std_ans_id int , qust_grade int,correct_-
Ans_id int );

    insert into @localTable
    SELECT Questions.Ques_ID , ExamQuestion.Std_Ans_ID , Questions.Ques_-
Grade,Questions.Correct_Ans_ID
    FROM ExamQuestion , Questions
    WHERE ExamQuestion.Ques_ID = Questions.Ques_ID
    AND ExamQuestion.Std_ID = @Student_ID
    AND ExamQuestion.Crs_ID = @Course_ID
    AND ExamQuestion.Std_Take = @take;

    select @correct_Anser_grades =  sum(qust_grade)
    from @localTable
    where correct_Ans_id = std_ans_id;

    select @std_grade =  ((@correct_Anser_grades*1.0)/sum(qust_grade))*100
    from @localTable;
    --select @std_grade;
    return @std_grade;
 end
GO
```

Uses

[dbo].[ExamQuestion]

[dbo].[Questions]

Used By

[dbo].[Calculate_Last_Grade]
[dbo].[Calculate_Max_Grade]

🖾 [dbo].[Calculate_Last_Grade]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@std_id	int	4
@crs_id	int	4

SQL Script

```
CREATE proc [dbo].[Calculate_Last_Grade] @std_id int , @crs_id int
as
begin
    declare @std_New_Grades int ;
    declare @max_Take int;
    set @max_Take =  dbo.fn_get_max_take (@std_id ,@crs_id);
    exec @std_New_Grades = calculate_Grade @std_id, @crs_id,@max_Take;

    update Stud_Course
    set  Std_Grade =  @std_New_Grades ,best_take = IIF(@std_New_Grades > std_Grade,
@max_Take, best_take)
    where Std_ID = @std_id
    AND Crs_ID = @crs_id;

    select @std_New_Grades;
end



GO
```

Uses

[dbo].[Stud_Course]
[dbo].[Calculate_Grade]
[dbo].[fn_Get_Max_Take]

📄 [dbo].[Calculate_Max_Grade]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@std_id	int	4
@crs_id	int	4

SQL Script

```sql
CREATE proc [dbo].[Calculate_Max_Grade] @std_id int , @crs_id int
as
begin
    declare @std_New_Grades int ;
    declare @max_Take int;
    set @max_Take = dbo.fn_get_max_take (@std_id ,@crs_id);
    exec @std_New_Grades = calculate_Grade @std_id, @crs_id,@max_Take;

    update Stud_Course
    set  Std_Grade =  @std_New_Grades , best_take = @max_Take
    where Std_ID = @std_id
    AND @std_New_Grades > Std_Grade
    AND Crs_ID = @crs_id;

    select Std_Grade from Stud_Course
    where Std_ID = @std_id
    AND Crs_ID = @crs_id;

end


GO
```

Uses

[dbo].[Stud_Course]
[dbo].[Calculate_Grade]
[dbo].[fn_Get_Max_Take]

🖹 [dbo].[countstudentincoursewithspecificins]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@insid	int	4

SQL Script

```
CREATE proc [dbo].[countstudentincoursewithspecificins] @insid int
as
SELECT        crs.Crs_Name, COUNT(std.Std_ID) AS Expr1
FROM          Course AS crs left JOIN Stud_Course AS stdcrs ON crs.Crs_ID =
stdcrs.Crs_ID left JOIN
                    Student AS std ON stdcrs.Std_ID = std.Std_ID left JOIN
                    Teach AS t ON crs.Crs_ID = t.Crs_ID
WHERE        (t.Ins_ID = @insid)
GROUP BY crs.Crs_Name
GO
```

Uses

[dbo].[Course]
[dbo].[Stud_Course]
[dbo].[Student]
[dbo].[Teach]

📄 [dbo].[create_Exam]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@Student_ID	int	4
@Course_ID	int	4
@split_MCQ_out_of_10	int	4

SQL Script

```sql
CREATE PROCEDURE [dbo].[create_Exam] @Student_ID int, @Course_ID int , @split_-
MCQ_out_of_10 int
as
BEGIN

    --init the old take if null set to Zero
    DECLARE @take int;
    set @take = dbo.fn_Get_Max_Take (@Student_ID,@Course_ID);


    if(@take < (select max_Takes from Course where Crs_ID = @Course_ID))
    begin
        --INSERT MCQ Questions
        INSERT INTO ExamQuestion
        SELECT @Student_ID , @Course_ID , Ques_ID , @take+1 , GETDATE() ,NULL , NULL
        From
            (select *,dense_rank()over(order by NEWID()) as RN
            From Questions
            WHERE Is_MCQ = 1
            AND Crs_ID = @Course_ID
            ) as MCQ
        WHERE  RN <= @split_MCQ_out_of_10;

        --INSERT TF Questions
        INSERT INTO ExamQuestion
        SELECT @Student_ID , @Course_ID , Ques_ID , @take+1 , GETDATE() ,NULL , NULL
        From
```

```
            (select *,dense_rank()over(order by NEWID()) as RN
            From Questions
            WHERE Is_MCQ = 0
            AND Crs_ID = @Course_ID
            ) as TF
        WHERE  RN <= 10 - @split_MCQ_out_of_10;
    end
    return @take;
END
GO
```

Uses

[dbo].[Course]
[dbo].[ExamQuestion]
[dbo].[Questions]
[dbo].[fn_Get_Max_Take]

Used By

[dbo].[Get_Generate_exam]

🖹 [dbo].[delete_Question]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@quest_ID	int	4

SQL Script

```
CREATE proc [dbo].[delete_Question] @quest_ID int
as
begin
    if(@quest_ID != 1 and @quest_ID not in (select Ques_ID from ExamQuestion))
    begin
        update Questions
        set Correct_Ans_ID = 2
        where Ques_ID =@quest_ID;

        delete from Answers
        where Ques_ID = @quest_ID;

        delete from Questions
        where Ques_ID = @quest_ID;
    end
end
GO
```

Uses

[dbo].[Answers]
[dbo].[ExamQuestion]
[dbo].[Questions]

🖺 [dbo].[get_Exam]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@Student_ID	int	4
@Course_ID	int	4
@take	int	4

SQL Script

```
CREATE PROCEDURE [dbo].[get_Exam] @Student_ID int , @Course_ID int , @take int
as
BEGIN

    SELECT Questions.Ques_ID ,Questions.Ques_Text , Answers.Ans_ID , Answers.Ans_-
Text,Questions.Is_MCQ
    FROM ExamQuestion , Questions , Answers
    WHERE ExamQuestion.Ques_ID = Questions.Ques_ID
    AND Questions.Ques_ID = Answers.Ques_ID
    AND ExamQuestion.Std_ID = @Student_ID
    AND ExamQuestion.Crs_ID = @Course_ID
    AND ExamQuestion.Std_Take = @take
    order by Questions.Ques_ID ,NEWID();
END
GO
```

Uses

[dbo].[Answers]
[dbo].[ExamQuestion]
[dbo].[Questions]

Used By

[dbo].[Get_Generate_exam]

🖾 [dbo].[Get_Generate_exam]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@std_id	int	4
@crs_id	int	4

SQL Script
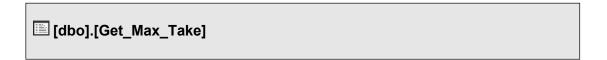
```
CREATE proc [dbo].[Get_Generate_exam] @std_id int, @crs_id int
as
begin

    if (@std_id in (
            select Std_ID
            from Stud_Course
            inner join Course
            on Course.Crs_ID = Stud_Course.Crs_ID
            where Stud_Course.Crs_ID = @crs_id
            and ISNULL(Stud_Course.Std_Grade,0) < Course.passing_Grade
            ))
    begin
        declare @split int , @take int;

        select @split = ISNULL( Split_Questions,FLOOR( 11*RAND()))
        from Course;

        exec  @take =  create_Exam @std_id ,@crs_id,@split;
        set @take = @take +1 ;
        exec get_Exam @std_id,@crs_id,@take;
    end
end
GO
```

Uses

[dbo].[Course]
[dbo].[Stud_Course]

[dbo].[create_Exam]
[dbo].[get_Exam]

📑 [dbo].[Get_Max_Take]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@std_id	int	4
@crs_id	int	4

SQL Script

```
CREATE proc [dbo].[Get_Max_Take] @std_id int , @crs_id int
as
begin
    select dbo.fn_Get_Max_Take ( @std_id  , @crs_id);
end
GO
```

Uses

[dbo].[fn_Get_Max_Take]

📑 [dbo].[getStudentsPerCourse]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@Crs_ID	int	4

SQL Script

```sql
CREATE PROC [dbo].[getStudentsPerCourse] @Crs_ID int
as
BEGIN
    SELECT s.Std_ID,s.Std_Fname,s.Std_Lname,s.Std_Mobile,s.Std_Address,s.Std_Grad-
Year,sc.Std_Grade,sc.best_take
    FROM Student s
    JOIN Stud_Course sc
    ON s.Std_ID = sc.Std_ID
    WHERE sc.Crs_ID = @Crs_ID
END
GO
```

Uses

[dbo].[Stud_Course]
[dbo].[Student]

🖺 [dbo].[insert_MCQ_Question_Answer]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@question	varchar(max)	max
@Question_Grade	int	4
@crs_id	int	4
@correct_Ans	varchar(300)	300
@answer_2	varchar(300)	300
@answer_3	varchar(300)	300
@answer_4	varchar(300)	300

SQL Script

```sql
create proc [dbo].[insert_MCQ_Question_Answer] @question varchar(max),@Question_-
Grade int,@crs_id int ,@correct_Ans varchar(300),@answer_2 varchar(300),@answer_3
varchar(300),@answer_4 varchar(300)
as
begin
    declare @temp_Quest
    table (ques_id int);

    declare @temp_Correct
    table (Correct_Ans_id int);

    insert into Questions (Is_MCQ,Ques_Text,Ques_Grade,Crs_ID,Correct_Ans_ID)
    output inserted.Ques_ID into @temp_Quest
    values (1,@question,@Question_Grade,@crs_id,2);


    insert into Answers (Ques_ID,Ans_Text)
    select top(1) ques_id ,@answer_2
    from @temp_Quest;

    insert into Answers (Ques_ID,Ans_Text)
    select top(1) ques_id ,@answer_3
    from @temp_Quest;

    insert into Answers (Ques_ID,Ans_Text)
    select top(1) ques_id ,@answer_4
    from @temp_Quest;
```

```sql
    insert into Answers (Ques_ID,Ans_Text)
    output inserted.Ans_ID into @temp_Correct
    select top(1) ques_id ,@correct_Ans
    from @temp_Quest;

    update Questions
    set Correct_Ans_ID = (select Correct_Ans_id from @temp_Correct)
    where Ques_ID = (select ques_id from @temp_Quest);

end
GO
```

Uses

[dbo].[Answers]
[dbo].[Questions]

🗈 [dbo].[insert_TF_Question_Answer]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@question	varchar(max)	max
@Question_Grade	int	4
@crs_id	int	4
@correct_Ans	varchar(300)	300
@answer_2	varchar(300)	300

SQL Script

```sql
create proc [dbo].[insert_TF_Question_Answer] @question varchar(max),@Question_Grade
int,@crs_id int ,@correct_Ans varchar(300),@answer_2 varchar(300)
as
begin
    declare @temp_Quest
    table (ques_id int);

    declare @temp_Correct
    table (Correct_Ans_id int);

    insert into Questions (Is_MCQ,Ques_Text,Ques_Grade,Crs_ID,Correct_Ans_ID)
    output inserted.Ques_ID into @temp_Quest
    values (0,@question,@Question_Grade,@crs_id,2);


    insert into Answers (Ques_ID,Ans_Text)
    select top(1) ques_id ,@answer_2
    from @temp_Quest;


    insert into Answers (Ques_ID,Ans_Text)
    output inserted.Ans_ID into @temp_Correct
    select top(1) ques_id ,@correct_Ans
    from @temp_Quest;

    update Questions
    set Correct_Ans_ID = (select Correct_Ans_id from @temp_Correct)
    where Ques_ID = (select ques_id from @temp_Quest);
```

```
end
GO
```

Uses

[dbo].[Answers]

[dbo].[Questions]

📄 [dbo].[InstructorLogin]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@ins_id	int	4
@ins_pass	varchar(64)	64

SQL Script

```
CREATE proc [dbo].[InstructorLogin](@ins_id int,@ins_pass varchar(64))

as
  begin
  select * from Instructor
  where Ins_ID=@ins_id
  and Ins_Password=@ins_pass
  end
--DepartmentSelect
GO
```

Uses

[dbo].[Instructor]

📰 [dbo].[Report_std_crs_grade]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@std_id	int	4

SQL Script

```
Create proc [dbo].[Report_std_crs_grade](@std_id int)
as
begin
SELECT Student.Std_ID, Student.Std_Fname, Student.Std_Lname, Course.Crs_ID,
Course.Crs_Name, Stud_Course.Std_Grade AS GradePercentage
FROM    Student, Course, Stud_Course
where Student.Std_ID=Stud_Course.Std_ID and Stud_Course.Crs_ID=Course.Crs_ID and
Student.Std_ID=@std_id
end
GO
```

Uses

[dbo].[Course]
[dbo].[Stud_Course]
[dbo].[Student]

�echnical [dbo].[Report_std_exam_w_Ans]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@Student_ID	int	4
@Course_ID	int	4
@take	int	4

SQL Script

```
CREATE proc [dbo].[Report_std_exam_w_Ans] @Student_ID int , @Course_ID int ,@take
int
as
begin
    Declare @localTable table (question varchar(Max) , ans_text varchar(300),correct
bit , selected bit);
    insert into @localTable
    SELECT Questions.Ques_Text , Answers.Ans_Text,iif(Questions.Correct_Ans_ID =
Answers.Ans_ID,1,0),iif(ExamQuestion.Std_Ans_ID=Answers.Ans_ID,1,0)
    FROM ExamQuestion , Questions , Answers
    WHERE ExamQuestion.Ques_ID = Questions.Ques_ID
    AND Questions.Ques_ID = Answers.Ques_ID
    AND ExamQuestion.Std_ID = @Student_ID
    AND ExamQuestion.Crs_ID = @Course_ID
    AND ExamQuestion.Std_Take = @take;
    select * from @localTable;


end
GO
```

Uses

[dbo].[Answers]
[dbo].[ExamQuestion]
[dbo].[Questions]

Used By

[dbo].[Report_std_exam_w_Ans_best]

[dbo].[Report_std_exam_w_Ans_Last]

📄 [dbo].[Report_std_exam_w_Ans_best]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@Student_ID	int	4
@Course_ID	int	4

SQL Script

```sql
create proc [dbo].[Report_std_exam_w_Ans_best] @Student_ID int , @Course_ID int
as
begin
    declare @take int ;
    select @take = best_take
    from Stud_Course
    where Std_ID = @Student_ID
    AND Crs_ID = @Course_ID;

    declare @table table(Ques_Text varchar(max) ,Ans_Text varchar(300),correct
bit,selected bit);
    INSERT INTO @table
    EXEC Report_std_exam_w_Ans @Student_ID,@Course_ID ,@take;
    select * from @table;



end
GO
```

Uses

[dbo].[Stud_Course]
[dbo].[Report_std_exam_w_Ans]

🖹 [dbo].[Report_std_exam_w_Ans_Last]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@Student_ID	int	4
@Course_ID	int	4

SQL Script
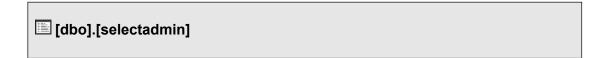
```sql
CREATE proc [dbo].[Report_std_exam_w_Ans_Last] @Student_ID int , @Course_ID int
as
begin
    declare @take int =dbo.fn_Get_Max_Take(@Student_ID,@Course_ID);

    declare @table table(Ques_Text varchar(max) ,Ans_Text varchar(300),correct
bit,selected bit);
    INSERT INTO @table
    EXEC Report_std_exam_w_Ans @Student_ID,@Course_ID ,@take;
    select * from @table;



end
GO
```

Uses

[dbo].[Report_std_exam_w_Ans]
[dbo].[fn_Get_Max_Take]

🖺 [dbo].[selectadmin]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@ad_id	int	4
@ad_pass	varchar(64)	64

SQL Script

```
CREATE proc [dbo].[selectadmin](@ad_id int,@ad_pass varchar(64))

as
  begin
  select *
  from Admin
  where admin_id=@ad_id
  and admin_password=@ad_pass
  end
GO
```

Uses

[dbo].[Admin]

🖼 [dbo].[selectstudentindept]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@deptid	int	4

SQL Script

```
create proc [dbo].[selectstudentindept] @deptid int
as
 SELECT        Std_ID, Std_Fname, Std_Lname, Std_Mobile, Std_Address, Std_GradYear
FROM          Student
WHERE        (Dept_ID = @deptid)
GO
```

Uses

[dbo].[Student]

📰 [dbo].[sp_add_Ins_per_Crs]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@crs_id	int	4
@ins_id	int	4

SQL Script

```
create proc [dbo].[sp_add_Ins_per_Crs] @crs_id int , @ins_id int
as
insert into Teach(Ins_ID,Crs_ID) values(@ins_id,@crs_id);
GO
```

Uses

[dbo].[Teach]

📄 [dbo].[sp_delete_Ins_Crs_from_Teach]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@crs_id	int	4
@ins_id	int	4

SQL Script

```
create proc [dbo].[sp_delete_Ins_Crs_from_Teach] @crs_id int , @ins_id int
as
delete
from Teach
where Ins_ID = @ins_id
and Crs_ID = @crs_id;
GO
```

Uses

[dbo].[Teach]

📰 [dbo].[sp_DeleteAdmin]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@id	int	4

SQL Script

```sql
Create proc [dbo].[sp_DeleteAdmin] @id int

as
    delete from Admin
    where admin_id = @id
GO
```
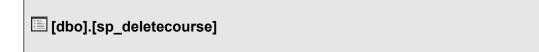
Uses

[dbo].[Admin]

🖹 [dbo].[sp_deletecourse]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@id	int	4

SQL Script

```
--24
CREATE proc [dbo].[sp_deletecourse] @id int

as
    delete from Course
    where Crs_ID = @id

GO
```

Uses

[dbo].[Course]

🗒 [dbo].[sp_DeleteCourseFromDepartment]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@dept_id	int	4
@course_id	int	4

SQL Script

```
create proc [dbo].[sp_DeleteCourseFromDepartment] @dept_id int , @course_id int
as
begin
    delete from Dept_Course
    where Dept_ID = @dept_id
    AND Crs_ID = @course_id;
end
GO
```

Uses

[dbo].[Dept_Course]

📄 [dbo].[sp_deletedepartment]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@dept_id	int	4

SQL Script

```
CREATE proc [dbo].[sp_deletedepartment] @dept_id int

as
    delete from Department
    where Dept_ID = @dept_id
GO
```

Uses

[dbo].[Department]

🖼 [dbo].[sp_deleteinstructor]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@id	int	4

SQL Script

```
--21
CREATE proc [dbo].[sp_deleteinstructor] @id int

as
    delete from Instructor
    where Ins_ID = @id

GO
```

Uses

[dbo].[Instructor]

🖹 [dbo].[sp_deletestudent]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@id	int	4

SQL Script

```
CREATE proc [dbo].[sp_deletestudent] @id int

as
    delete from Student
    where Std_ID = @id

GO
```

Uses

[dbo].[Student]

🖼 [dbo].[sp_deletestudentcourse]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@stdid	int	4
@crsid	int	4

SQL Script

```
Create proc [dbo].[sp_deletestudentcourse] @stdid int  , @crsid int
as
    declare @deptid2 int

    select @deptid2 = Dept_ID
    from Student
    where Std_ID = @stdid

    begin
    DELETE FROM Stud_Course
    WHERE Std_ID= @stdid and
    Crs_ID=@crsid
    end
GO
```

Uses

[dbo].[Stud_Course]
[dbo].[Student]

🖹 [dbo].[sp_deletetopic]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@id	int	4

SQL Script

```
--11
CREATE proc [dbo].[sp_deletetopic] @id int

as
    delete from Topic
    where Top_ID = @id

GO
```

Uses

[dbo].[Topic]

📄 [dbo].[sp_deleteworkon]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@instid	int	4
@dept_id	int	4

SQL Script

```
CREATE proc [dbo].[sp_deleteworkon] @instid int , @dept_id int
as
    delete from Works_ON
    where Ins_ID = @instid
    AND Dept_ID = @dept_id;

GO
```

Uses

[dbo].[Works_ON]

📄 [dbo].[sp_insertAdmin]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@admin_name	nchar(10)	20
@admin_phone	varchar(15)	15
@admin_password	varchar(64)	64

SQL Script

```sql
CREATE proc [dbo].[sp_insertAdmin]  @admin_name nchar(10), @admin_phone varchar(15)
, @admin_password varchar(64)
as
begin
    insert into Admin (admin_name,admin_phone,admin_password)
  output inserted.admin_id

    values(@admin_name , @admin_phone,@admin_password)

end
GO
```

Uses

[dbo].[Admin]

🗐 [dbo].[sp_insertcourse]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@name	varchar(50)	50
@h	int	4
@split	int	4
@depid	int	4
@passgrade	int	4
@maxtake	int	4

SQL Script

```
CREATE proc [dbo].[sp_insertcourse] @name varchar(50) , @h int , @split int=null ,
@depid int,@passgrade int=null,@maxtake int=null

as
    insert into Course (Crs_Name , Crs_Hours , Split_Questions , Dept_ID,passing_-
Grade,max_Takes)
    values (@name , @h , @split , @depid,@passgrade,@maxtake)
GO
```

Uses

[dbo].[Course]

🖿 [dbo].[sp_insertCourseToDepartment]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@dept_id	int	4
@coures_id	int	4

SQL Script

```sql
create proc [dbo].[sp_insertCourseToDepartment] @dept_id int , @coures_id int
as
begin
    insert into Dept_Course(Dept_ID,Crs_ID)
    values(@dept_id,@coures_id)
end
GO
```

Uses

[dbo].[Dept_Course]

🖳 [dbo].[sp_insertDepartment]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@dept_name	varchar(50)	50
@manager_id	int	4

SQL Script

```
CREATE proc [dbo].[sp_insertDepartment](@dept_name varchar(50),
                            @manager_id int)

as
  begin
  Insert Into Department(Dept_Name,Manager_ID)
  output inserted.Dept_ID
  values(@dept_name,@manager_id)


  end
GO
```

Uses

[dbo].[Department]

🖹 [dbo].[sp_insertInstructor]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@ins_name	varchar(50)	50
@ins_phone	varchar(15)	15
@ins_email	nchar(10)	20
@ins_password	varchar(64)	64
@ins_degree	varchar(50)	50

SQL Script

```
CREATE proc [dbo].[sp_insertInstructor](@ins_name varchar(50),
                                        @ins_phone varchar(15),
                                        @ins_email nchar(10),
                                        @ins_password varchar(64),
                                        @ins_degree varchar(50))

as
  begin
  Insert Into Instructor(Ins_Name,Ins_Phone,Ins_Email,Ins_Password,Ins_Degree)
  output inserted.Ins_ID

  values(@ins_name,@ins_phone,@ins_email,@ins_password,@ins_degree)

  end
GO
```

Uses

[dbo].[Instructor]

📰 [dbo].[sp_insertStudent]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@std_fname	varchar(50)	50
@std_lname	varchar(50)	50
@std_mobile	varchar(15)	15
@std_address	nvarchar(50)	100
@std_grandYear	int	4
@dept_id	int	4
@std_passowrd	varchar(64)	64

SQL Script

```
--InsertStudent
CREATE proc [dbo].[sp_insertStudent](@std_fname varchar(50),
                         @std_lname varchar(50),
                         @std_mobile varchar(15),
                         @std_address nvarchar(50),
                         @std_grandYear int,
                         @dept_id int,
                         @std_passowrd varchar(64))

as
  begin
  Insert Into Student(Std_Fname,Std_Lname,Std_Mobile,Std_Address,Std_GradYear,Dept_-
ID,Std_Password)
  output inserted.Std_ID
  values(@std_fname,@std_lname,@std_mobile,@std_address,@std_grand-
Year,@dept_id,@std_passowrd)
  end
--InsertDepartment
GO
```

Uses

[dbo].[Student]

📄 [dbo].[sp_insertstudentcourse]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@stdid	int	4
@crsid	int	4

SQL Script
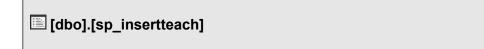
```
CREATE proc [dbo].[sp_insertstudentcourse] @stdid int  , @crsid int
as
    declare @deptid2 int

    select @deptid2 = Dept_ID
    from Student
    where Std_ID = @stdid

    begin
    insert into Stud_Course(Std_ID , Crs_ID)
    values (@stdid , @crsid)
    end
GO
```

Uses

[dbo].[Stud_Course]
[dbo].[Student]

📖 [dbo].[sp_insertteach]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters
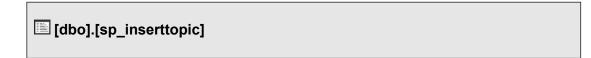
Name	Data Type	Max Length (Bytes)
@insid	int	4
@crsid	int	4

SQL Script

```
create proc [dbo].[sp_insertteach] @insid int , @crsid int
as
    insert into Teach (Ins_ID , Crs_ID)
    values (@insid , @crsid)


GO
```

Uses

[dbo].[Teach]

🗎 [dbo].[sp_inserttopic]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@crsid	int	4
@name	varchar(50)	50

SQL Script

```
--9
CREATE proc [dbo].[sp_inserttopic] @crsid int , @name varchar(50)

as
    insert into Topic(Crs_ID , Top_Name)
    values (@crsid , @name)



GO
```

Uses

[dbo].[Topic]

🖹 [dbo].[sp_insertworkon]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@depid	int	4
@insid	int	4

SQL Script

```
CREATE proc [dbo].[sp_insertworkon] @depid int , @insid int
as
    insert into Works_ON (Dept_ID , Ins_ID)
    values (@depid , @insid)

GO
```

Uses

[dbo].[Works_ON]

🖻 [dbo].[sp_isDepartmentManager]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@instructor_id	int	4

SQL Script

```
create proc [dbo].[sp_isDepartmentManager] @instructor_id int
as
begin
    select *
    from Department
    where Manager_ID = @instructor_id
end
GO
```

Uses

[dbo].[Department]

📇 [dbo].[sp_select_all_Questions_answers_per_course]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@crs_id	int	4

SQL Script

```sql
create proc [dbo].[sp_select_all_Questions_answers_per_course] @crs_id int
as
    select *
    from Questions
    inner join Answers
    on Answers.Ques_ID = Questions.Ques_ID
    where Questions.Crs_ID =@crs_id;
GO
```

Uses

[dbo].[Answers]
[dbo].[Questions]

📋 [dbo].[sp_select_all_Questions_per_course]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@crs_id	int	4

SQL Script

```sql
CREATE proc [dbo].[sp_select_all_Questions_per_course] @crs_id int
as
    select Questions.Ques_ID,Ques_Text,Ques_Grade,Is_MCQ
    from Questions
    where Questions.Crs_ID =@crs_id;
GO
```

Uses

[dbo].[Questions]

📄 [dbo].[sp_Select_Answers_Per_Qusetion]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@quest_id	int	4

SQL Script

```
CREATE proc [dbo].[sp_Select_Answers_Per_Qusetion] @quest_id int
as
begin
    select Ans_ID , Ans_Text,Questions.Correct_Ans_ID
    from Answers,Questions
    where Answers.Ques_ID = @quest_id
    and  Questions.Ques_ID= @quest_id;
end
GO
```

Uses

[dbo].[Answers]
[dbo].[Questions]

🖺 [dbo].[sp_select_Ins_per_Crs]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@crs_id	int	4

SQL Script
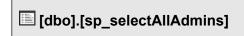
```
create proc [dbo].[sp_select_Ins_per_Crs] @crs_id int
as
select
    Instructor.Ins_ID ,
    Ins_Name ,
    Ins_Phone ,
    Ins_Email ,
    Ins_Degree
from Teach
inner join Instructor
on Teach.Ins_ID = Instructor.Ins_ID;
GO
```

Uses

[dbo].[Instructor]
[dbo].[Teach]

📑 [dbo].[sp_selectAllAdmins]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

SQL Script

```
Create proc [dbo].[sp_selectAllAdmins]
as
begin
    select Admin.admin_id ,admin_name , admin_phone,admin_password
    from Admin
end
GO
```

Uses

[dbo].[Admin]

🗒 [dbo].[sp_selectallcourses]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

SQL Script

```
create proc [dbo].[sp_selectallcourses]
as
    select * from Course

GO
```

Uses

[dbo].[Course]

📄 [dbo].[sp_selectalldepartments]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

SQL Script

```
CREATE proc [dbo].[sp_selectalldepartments]

as
  begin
  select * from Department
  end
GO
```

Uses

[dbo].[Department]

🖹 [dbo].[sp_selectAllInstructors]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

SQL Script

```
create proc [dbo].[sp_selectAllInstructors]
as
begin
    select Ins_ID ,Ins_Name , Ins_Email,Ins_Phone, Ins_Degree
    from Instructor
end
GO
```

Uses

[dbo].[Instructor]

📰 [dbo].[sp_selectallstudents]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

SQL Script
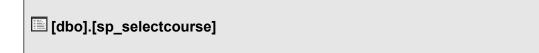
```
CREATE proc [dbo].[sp_selectallstudents]
as
    select Std_ID ,Std_Fname,Std_Lname,Std_Mobile,Std_Address,Std_GradYear,Dept_ID
from  Student




GO
```

Uses

[dbo].[Student]

🖹 [dbo].[sp_selectcourse]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@id	int	4

SQL Script

```
--23
CREATE proc [dbo].[sp_selectcourse] @id int

as
    select * from Course
    where Crs_ID = @id

GO
```

Uses

[dbo].[Course]

📄 [dbo].[sp_selectcoursesforinstructor]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@ins_id	int	4

SQL Script

```
CREATE proc [dbo].[sp_selectcoursesforinstructor](@ins_id int)
 as
    begin
      select c.Crs_ID,c.Crs_Name, c.Crs_Hours,c.Split_Questions,c.passing_Grade,
      c.max_Takes
      from Course as c
      inner join Teach as t
      on c.Crs_ID=t.Crs_ID
      where t.Ins_ID = @ins_id
    end
GO
```

Uses

[dbo].[Course]
[dbo].[Teach]

🖺 [dbo].[sp_selectcoursesforStudent]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@std_id	int	4

SQL Script

```sql
Create proc [dbo].[sp_selectcoursesforStudent](@std_id int)
 as
    begin
      select c.Crs_ID,c.Crs_Name, c.Crs_Hours

      from Course as c, Stud_Course as sc,Student as s
      where c.Crs_ID=sc.Crs_ID and sc.Std_ID=s.Std_ID and s.Std_ID=@std_id
    end
GO
```

Uses

[dbo].[Course]
[dbo].[Stud_Course]
[dbo].[Student]

🖾 [dbo].[sp_selectcoursesindepartment]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@dept_id	int	4

SQL Script

```
CREATE proc [dbo].[sp_selectcoursesindepartment](@dept_id int)
 as
    begin
      select Dept_Course.Crs_ID,Crs_Name,Crs_Hours,Split_Questions,passing_-
Grade,max_Takes
      from Course,Dept_Course
      where Dept_Course.Crs_ID = Course.Crs_ID
      and Dept_Course.Dept_ID = @dept_id
    end
GO
```

Uses

[dbo].[Course]
[dbo].[Dept_Course]

📄 [dbo].[sp_selectcrsgrade]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@stdid	int	4

SQL Script

```sql
create proc [dbo].[sp_selectcrsgrade] @stdid int
as
    select   crs.*
    from Stud_Course  stdcrs , Course  crs
    where Std_ID = @stdid and stdcrs.Crs_ID = crs.Crs_ID

GO
```

Uses

[dbo].[Course]
[dbo].[Stud_Course]

🖾 [dbo].[sp_selectDepartment]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@dept_id	int	4

SQL Script

```sql
CREATE proc [dbo].[sp_selectDepartment](@dept_id int)

as
  begin
  select * from Department
  where Department.Dept_ID=@dept_id
  end

GO
```

Uses

[dbo].[Department]

📄 [dbo].[sp_selectInstructor]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@ins_id	int	4

SQL Script

```
--InstructorSelect
CREATE proc [dbo].[sp_selectInstructor](@ins_id int)

as
  begin
  select * from Instructor
  where Ins_ID=@ins_id
  end
--DepartmentSelect
GO
```

Uses

[dbo].[Instructor]

📄 [dbo].[sp_selectInstructorsInDepartmrnt]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@dept_id	int	4

SQL Script

```
create proc [dbo].[sp_selectInstructorsInDepartmrnt] @dept_id int
as
begin
    select Instructor.Ins_ID,Ins_Name,Ins_Phone,Ins_Email,Ins_Degree
    from Instructor ,Works_ON
    where Instructor.Ins_ID = Works_ON.Ins_ID
    AND Works_ON.Dept_ID = @dept_id;
end
GO
```

Uses

[dbo].[Instructor]
[dbo].[Works_ON]

📄 [dbo].[sp_selectStudent]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@stud_id	int	4

SQL Script

```
--sp_insertStudent
--sp_deletestudent
--sp_updatestudent
--sp_selectstudent
--alter proc    sp_addstd2 @name nchar(10)
--with encryption
--as
--    begin

--            insert into Student
--            values (@name)


--end


CREATE proc [dbo].[sp_selectStudent](@stud_id int)

as
  begin
  select * from Student
  where Student.Std_ID=@stud_id
  end
GO
```

Uses

[dbo].[Student]

📄 [dbo].[sp_selectstudentsincourse]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@crs_id	int	4

SQL Script

```sql
CREATE proc [dbo].[sp_selectstudentsincourse](@crs_id int)
as
  begin
      select s.Std_ID, s.Std_Fname,s.Std_Lname,s.Std_Mobile,s.Std_Address, s.Std_-
GradYear,
      s.Dept_ID, s.Std_Password
      from Student as s , Stud_Course as sc , Course as c
      where s.Std_ID=sc.Std_ID and sc.Crs_ID=c.Crs_ID and c.Crs_ID=@crs_id
  end



GO
```
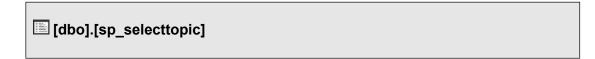
Uses

[dbo].[Course]
[dbo].[Stud_Course]
[dbo].[Student]

🖹 [dbo].[sp_selecttopic]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@id	int	4

SQL Script

```
--10
CREATE proc [dbo].[sp_selecttopic] @id int

as
    select * from Topic
    where Top_ID = @id

GO
```

Uses

[dbo].[Topic]

🖹 [dbo].[sp_topicsincourse]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@crsid	int	4

SQL Script
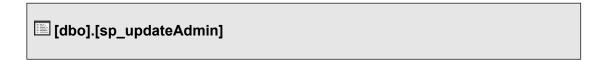
```
create proc [dbo].[sp_topicsincourse] @crsid int
as
    select * from topic
    where Crs_ID = @crsid
GO
```

Uses

[dbo].[Topic]

📄 [dbo].[sp_updateAdmin]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@admin_id	int	4
@admin_name	varchar(50)	50
@admin_phone	varchar(15)	15
@admin_password	varchar(64)	64

SQL Script

```
CREATE proc [dbo].[sp_updateAdmin](@admin_id int,
                         @admin_name varchar(50),
                         @admin_phone varchar(15),
                         @admin_password varchar(64))

as
  begin
  update Admin
  set
     admin_name =@admin_name,
     admin_phone =@admin_phone,
     admin_password=@admin_password
  where
  admin_id = @admin_id
  end
GO
```

Uses

[dbo].[Admin]

🖾 [dbo].[sp_updateAdminNoPassword]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@admin_id	int	4
@admin_name	varchar(50)	50
@admin_phone	varchar(15)	15

SQL Script

```
CREATE proc [dbo].[sp_updateAdminNoPassword](@admin_id int,
                          @admin_name varchar(50),
                          @admin_phone varchar(15))

as
  begin
  update Admin
  set
      admin_name =@admin_name,
      admin_phone =@admin_phone
  where
  admin_id = @admin_id
  end
GO
```

Uses

[dbo].[Admin]

🖹 [dbo].[sp_updatecourse]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@id	int	4
@name	varchar(50)	50
@h	int	4
@split	int	4
@passgrade	int	4
@maxtake	int	4

SQL Script

```
CREATE proc [dbo].[sp_updatecourse] @id int , @name varchar(50) , @h int , @split
int=null ,@passgrade int=null,@maxtake int=null

as

    update Course
    set Crs_Name = @name , Crs_Hours =  @h , Split_Questions = @split ,passing_-
Grade=@passgrade,max_Takes=@maxtake
    where Crs_ID = @id
GO
```

Uses

[dbo].[Course]

📄 [dbo].[sp_updateDepartment]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@dept_id	int	4
@dept_name	varchar(50)	50
@manager_id	int	4

SQL Script

```sql
CREATE proc [dbo].[sp_updateDepartment](@dept_id int,
                        @dept_name varchar(50),
                        @manager_id int)

as
  begin
  update Department
  set Dept_Name=@dept_name,
      Manager_ID=@manager_id

      where Dept_ID=@dept_id

  end

GO
```

Uses

[dbo].[Department]

🖾 [dbo].[sp_updateInstructor]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@ins_id	int	4
@ins_name	varchar(50)	50
@ins_phone	varchar(15)	15
@ins_email	nchar(10)	20
@ins_password	varchar(64)	64
@ins_degree	varchar(50)	50

SQL Script

```sql
CREATE proc [dbo].[sp_updateInstructor](@ins_id int,
                        @ins_name varchar(50),
                        @ins_phone varchar(15),
                        @ins_email nchar(10),
                        @ins_password varchar(64),
                        @ins_degree varchar(50))

as
  begin
  update Instructor
  set Ins_Name=@ins_name,
      Ins_Phone=@ins_phone,
      Ins_Email=@ins_email,
      Ins_Password=@ins_password,
      Ins_Degree=@ins_degree
      where Ins_ID=@ins_id

  end


--UpdateDepartment
GO
```

Uses

[dbo].[Instructor]

🖼 [dbo].[sp_updateInstructorNoPassword]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@ins_id	int	4
@ins_name	varchar(50)	50
@ins_phone	varchar(15)	15
@ins_email	nchar(10)	20
@ins_degree	varchar(50)	50

SQL Script

```
CREATE proc [dbo].[sp_updateInstructorNoPassword](@ins_id int,
                        @ins_name varchar(50),
                        @ins_phone varchar(15),
                        @ins_email nchar(10),
                        @ins_degree varchar(50))

as
  begin
  update Instructor
  set Ins_Name=@ins_name,
      Ins_Phone=@ins_phone,
      Ins_Email=@ins_email,
      Ins_Degree=@ins_degree
      where Ins_ID=@ins_id

  end


--UpdateDepartment
GO
```

Uses

[dbo].[Instructor]

🖹 [dbo].[sp_updateStudent]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@std_id	int	4
@std_fname	varchar(50)	50
@std_lname	varchar(50)	50
@std_mobile	varchar(15)	15
@std_address	nvarchar(50)	100
@std_grandYear	int	4
@dept_id	int	4
@std_passowrd	varchar(64)	64

SQL Script
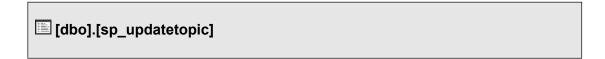
```
CREATE proc [dbo].[sp_updateStudent](@std_id int,
                        @std_fname varchar(50),
                        @std_lname varchar(50),
                        @std_mobile varchar(15),
                        @std_address nvarchar(50),
                        @std_grandYear int,
                        @dept_id int,
                        @std_passowrd varchar(64))

as
  begin
  update Student
  set Std_Fname=@std_fname,
      Std_Lname=@std_lname,
      Std_Mobile=@std_mobile,
      Std_Address=@std_address,
      Std_GradYear=@std_grandYear,
      Dept_ID=@dept_id,
      Std_Password=@std_passowrd
      where Std_ID=@std_id

  end

--UpdateInstructor
```

```
GO
```

Uses

[dbo].[Student]

📄 [dbo].[sp_updateStudentNoPassword]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@std_id	int	4
@std_fname	varchar(50)	50
@std_lname	varchar(50)	50
@std_mobile	varchar(15)	15
@std_address	nvarchar(50)	100
@std_grandYear	int	4
@dept_id	int	4

SQL Script

```sql
CREATE proc [dbo].[sp_updateStudentNoPassword](@std_id int,
                            @std_fname varchar(50),
                            @std_lname varchar(50),
                            @std_mobile varchar(15),
                            @std_address nvarchar(50),
                            @std_grandYear int,
                            @dept_id int)

as
  begin
  update Student
  set Std_Fname=@std_fname,
      Std_Lname=@std_lname,
      Std_Mobile=@std_mobile,
      Std_Address=@std_address,
      Std_GradYear=@std_grandYear,
      Dept_ID=@dept_id
      where Std_ID=@std_id

  end

--UpdateInstructor
GO
```

Uses

[dbo].[Student]

🖻 [dbo].[sp_updatetopic]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

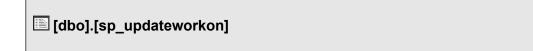| Name	Data Type	Max Length (Bytes)
@id	int	4
@crsid	int	4
@name	varchar(50)	50

SQL Script

```
--12
CREATE proc [dbo].[sp_updatetopic] @id int ,@crsid int, @name varchar(50)

as
    update Topic
    set Top_Name = @name , Crs_ID = @crsid
    where Top_ID = @id


GO
```

Uses

[dbo].[Topic]

🔲 [dbo].[sp_updateworkon]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters
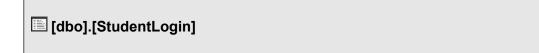
Name	Data Type	Max Length (Bytes)
@insid	int	4
@deptid	int	4

SQL Script

```
create proc [dbo].[sp_updateworkon] @insid int , @deptid int
as
    update Works_ON
    set Dept_ID = @deptid
    where Ins_ID = @insid

GO
```

Uses

[dbo].[Works_ON]

📄 [dbo].[StudentLogin]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@stud_id	int	4
@std_pass	varchar(64)	64

SQL Script

```
CREATE proc [dbo].[StudentLogin](@stud_id int,@std_pass varchar(64))

as
  begin
  select Student.* ,Department.Dept_Name
  from Student,Department
  where Student.Std_ID=@stud_id
  and Student.Dept_ID=Department.Dept_ID
  and Student.Std_Password=@std_pass
  end
GO
```

Uses

[dbo].[Department]
[dbo].[Student]

📄 [dbo].[submit_Answer]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@std_id	int	4
@crs_id	int	4
@qust_id	int	4
@answer_id	int	4

SQL Script

```
CREATE proc [dbo].[submit_Answer] @std_id int , @crs_id int, @qust_id int
,@answer_id int
as
begin
    declare @take int
    set @take = dbo.fn_Get_Max_Take(@std_id  , @crs_id );

    update ExamQuestion
    set std_ans_id = @answer_id,Exam_Submit_Date=GETDATE()
    where Std_ID = @std_id
    And Crs_ID = @crs_id
    and Ques_ID = @qust_id
    and Std_Take = @take;
end
GO
```

Uses

[dbo].[ExamQuestion]
[dbo].[fn_Get_Max_Take]

🖼 [dbo].[Update_MCQ_Question_Answer]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@question_id	int	4
@question	varchar(max)	max
@Question_Grade	int	4
@crs_id	int	4
@correct_Ans	varchar(300)	300
@ans2_id	int	4
@answer_2	varchar(300)	300
@ans3_id	int	4
@answer_3	varchar(300)	300
@ans4_id	int	4
@answer_4	varchar(300)	300

SQL Script

```
CREATE proc [dbo].[Update_MCQ_Question_Answer] @question_id int, @question
varchar(max),@Question_Grade int,@crs_id int ,@correct_Ans varchar(300),@ans2_id
int,@answer_2 varchar(300),@ans3_id int,@answer_3 varchar(300),@ans4_id
int,@answer_4 varchar(300)
as
begin

    declare @correctAnsId int;

    update  Questions
    set Ques_Text = @question,
    Ques_Grade = @Question_Grade,
    @correctAnsId = Correct_Ans_ID
    where Ques_ID = @question_id;

    update Answers
    set Ans_Text = @correct_Ans
    where Ans_ID = @correctAnsId;

    update Answers
```

```sql
    set Ans_Text = @answer_2
    where Ans_ID = @ans2_id;

    update Answers
    set Ans_Text = @answer_3
    where Ans_ID = @ans3_id;

    update Answers
    set Ans_Text = @answer_4
    where Ans_ID = @ans4_id;


end
GO
```

Uses

[dbo].[Answers]
[dbo].[Questions]

📄 [dbo].[Update_TF_Question_Answer]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@question_id	int	4
@question	varchar(max)	max
@Question_Grade	int	4
@crs_id	int	4
@correct_Ans	varchar(300)	300
@answer_2	varchar(300)	300

SQL Script

```sql
create proc [dbo].[Update_TF_Question_Answer] @question_id int, @question
varchar(max),@Question_Grade int,@crs_id int ,@correct_Ans varchar(300),@answer_2
varchar(300)
as
begin

    declare @correctAnsId int;

    update  Questions
    set Ques_Text = @question,
        @correctAnsId = Correct_Ans_ID,
        Ques_Grade = @Question_Grade
    where Ques_ID = @question_id;

    update Answers
    set Ans_Text = @correct_Ans
    where Ans_ID = @correctAnsId;

    update Answers
    set Ans_Text = @answer_2
    where Ques_ID = @question_id
    AND Ans_ID != @correctAnsId;

end
GO
```

Uses

[dbo].[Answers]

[dbo].[Questions]

𝐸𝑓𝑥 *Table-valued Functions*

Objects

Name
dbo.fn_get_Exam_number

🔣 [dbo].[fn_get_Exam_number]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@exam_id	varchar(50)	50

SQL Script

```sql
CREATE function [dbo].[fn_get_Exam_number] (@exam_id varchar(50))
returns @result_ids table ( std_id int, crs_id int , take int)
as
begin

    declare @table table(number int  not null identity,id varchar(50));

    insert into @table(id)
    select value
    from STRING_SPLIT (@exam_id , '_' );

    declare @std_id int, @crs_id int , @take int;
    select @std_id = CAST( id as int) from @table where number = 1;
    select @crs_id = CAST( id as int) from @table where number = 2;
    select @take =  CAST( id as int) from @table where number = 3;

    insert into @result_ids
    values(@std_id,@crs_id, @take);

    return ;
end
GO
```

Scalar-valued Functions

Objects

Name
dbo.fn_Get_Max_Take

▦ƒ𝓍 [dbo].[fn_Get_Max_Take]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@std_id	int	4
@crs_id	int	4

SQL Script

```sql
create function [dbo].[fn_Get_Max_Take] (@std_id int , @crs_id int)
returns int
as
begin
    declare @x int;
    select @x =  ISNULL(max(Std_Take),0)
    from ExamQuestion
    where Std_ID = @std_id
    AND Crs_ID = @crs_id;
    return @x;
End
GO
```

Uses

[dbo].[ExamQuestion]

Used By

[dbo].[Calculate_Last_Grade]
[dbo].[Calculate_Max_Grade]
[dbo].[create_Exam]
[dbo].[Get_Max_Take]
[dbo].[Report_std_exam_w_Ans_Last]
[dbo].[submit_Answer]

👤 *Users*

Objects

Name
dbo

dbo

Properties

Property	Value
Type	SqlUser
Login Name	sqlproject
Default Schema	dbo

Database Level Permissions

Type	Action
CONNECT	Grant

SQL Script

```
GO
```

👥 *Database Roles*

Objects

Name
db_accessadmin
db_backupoperator
db_datareader
db_datawriter
db_ddladmin
db_denydatareader
db_denydatawriter
db_owner
db_securityadmin
public

👥 db_accessadmin

Properties

Property	Value
Owner	dbo

👥 db_backupoperator

Properties

Property	Value
Owner	dbo

👥 db_datareader

Properties

Property	Value
Owner	dbo

👥 db_datawriter

Properties

Property	Value
Owner	dbo

👥 db_ddladmin

Properties

Property	Value
Owner	dbo

👥 db_denydatareader

Properties

Property	Value

Owner	dbo

👥 db_denydatawriter

Properties

Property	Value
Owner	dbo

👥 db_owner

Properties

Property	Value
Owner	dbo

👥 db_securityadmin

Properties

Property	Value
Owner	dbo

👥 public

Properties

Property	Value
Owner	dbo