Examination System

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[ [dbo].[update\_topic] 178](#_Toc126449143)

[ [dbo].[update\_track] 179](#_Toc126449144)

|  |
| --- |
| Examination System Database |

­Description

Documentation of Online Examination System Database

Database Properties

|  |  |
| --- | --- |
| Property | Value |
| SQL Server Version | SQL Server 2017 |
| Creation date | Jan 24 2023 |
| Database size | 144.00 MB |

Files

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | Size | Maxsize | Autogrowth | File Name |
| Examination System | Data | 72.00 MB | unlimited | 64.00 MB | C:\Program Files\Microsoft SQL Server\MSSQL14.MSSQLSERVER\MSSQL\DATA\Examination System.mdf |
| Examination System\_log | Log | 72.00 MB | 2048.00 GB | 64.00 MB | C:\Program Files\Microsoft SQL Server\MSSQL14.MSSQLSERVER\MSSQL\DATA\Examination System\_log.ldf |

|  |
| --- |
| Tables |

Objects

|  |
| --- |
| Name |
| [dbo.Certification](#6ws3CYTDGE94YPM6/0yuAS48ocY=) |
| [dbo.Choise](#5nqCldOT09M+v0A2CZsN542HqyE=) |
| [dbo.Course](#ubBiIifbzMv5iidxHnavX2gMCVg=) |
| [dbo.Course\_­Instructor](#XsR7sVPvhCdco7ck89XT3s/SOE4=) |
| [dbo.Course\_­Topic](#P/xye3+IbucSN/nXU9cl7Rxqx3I=) |
| [dbo.Course\_­Track](#UZ8zshkt64px2fPoqyF7P5GnkH0=) |
| [dbo.Exam](#0E5+a295uLd2BoE9OfJesNttNOY=) |
| [dbo.Exam\_­Question](#sZfnkxGexsrOAkN+FsZKlurSUcU=) |
| [dbo.Freelancing](#a9CJVL+HSzpl2CaukfvG2phZlO8=) |
| [dbo.Freelancing\_­Skills](#kBVI4Zy01M2T/HE40osnyBBbX1I=) |
| [dbo.Hiring](#dOVyayilBLJ8A9S+d8O7yTSKOFo=) |
| [dbo.Instructor](#mXHVODiyg4CsqLo1bQkhlJyt5a4=) |
| [dbo.Intake](#3j2HT+8elbRyHBUzscdysrXEhJo=) |
| [dbo.Question](#gcV04vimp50KHuEv07rUy74UZSo=) |
| [dbo.Register\_­Instructor](#M1nlvTJKY8DOvA5nAp0p//8pMYs=) |
| [dbo.Register\_­Student](#E2O6AMM3bt01zaKCvl0pidDIsvg=) |
| [dbo.Registeration](#xyfh4wsLP7AF+sh1o1Z/Za8A7pM=) |
| [dbo.Social\_­Media](#KNyVcR4CZGstU/VXu16zZ7o4+l0=) |
| [dbo.Student](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=) |
| [dbo.Student\_­Certification](#g3OVFaYzbN3JUd1aqt1oUpaIUYY=) |
| [dbo.Student\_­Course](#VcvDAxapeAbrz1qTgXB7TWsByTI=) |
| [dbo.Student\_­Exam](#qy4Erxf9napUjf8X6ZBGGyBdlrM=) |
| [dbo.Student\_­Exam\_­Question](#5WDPTYucsH4kYleV5ROzCDhtt9k=) |
| [dbo.Topic](#xn6Ew1p60cTVblDr6xVgmQqlGjI=) |
| [dbo.Track](#UFN+9hX2s6pZbubueOHmkgBybP8=) |

|  |
| --- |
| [dbo].[Certification] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | cert\_id | int | 4 | NOT NULL |
|  | cert\_title | nvarchar(100) | 200 | NULL allowed |
|  | cert\_website | nvarchar(50) | 100 | NULL allowed |
|  | cert\_startdate | date | 3 | NULL allowed |
|  | cert\_enddate | date | 3 | NULL allowed |
|  | cert\_hours | int | 4 | NULL allowed |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Certification | cert\_id | True |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Certification]  (  [cert\_id] [int] NOT NULL,  [cert\_title] [nvarchar] (100) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [cert\_website] [nvarchar] (50) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [cert\_startdate] [date] NULL,  [cert\_enddate] [date] NULL,  [cert\_hours] [int] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Certification] ADD CONSTRAINT [PK\_­Certification] PRIMARY KEY CLUSTERED ([cert\_id]) ON [PRIMARY]  GO |

Used By

[[dbo].[Student\_­Certification]](#g3OVFaYzbN3JUd1aqt1oUpaIUYY=)

[[dbo].[delete\_­Certificate]](#6BYFzm77b85DbcP/GrIHJZ2SpfA=)

[[dbo].[delete\_­Student­Certification]](#DlOcK607kl8zkTBFhNoS6DzwIqM=)

[[dbo].[insert\_­Certificate]](#RS2lbvWev/sx49qQT/I/CcDY1P8=)

[[dbo].[insert\_­Student­Certification]](#McocYS2ndXSJyyFgLDn9fCh9qlY=)

[[dbo].[select\_all\_­Certificate]](#AtdiW8uFUFnRTDeqR3iOCMEjZSI=)

[[dbo].[select\_specific\_­Certificate]](#bXKqbLPMCptoZOeNuvmPD5qQYRI=)

[[dbo].[updata\_­Certificate]](#kG3OQRo4+0vi2nQAmubvMDG5cQs=)

[[dbo].[update\_­Student­Certification]](#/8BSd33xMq18w8VSlCWtxgRY69k=)

|  |
| --- |
| [dbo].[Choise] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | choise\_id | int | 4 | NOT NULL |
|  | choise\_text | nvarchar(500) | 1000 | NULL allowed |
|  | quest\_id | int | 4 | NULL allowed |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Choise | choise\_id | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Choise\_­Question | quest\_id->[[dbo].[Question].[quest\_id]](#gcV04vimp50KHuEv07rUy74UZSo=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Choise]  (  [choise\_id] [int] NOT NULL,  [choise\_text] [nvarchar] (500) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [quest\_id] [int] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Choise] ADD CONSTRAINT [PK\_­Choise] PRIMARY KEY CLUSTERED ([choise\_id]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Choise] ADD CONSTRAINT [FK\_­Choise\_­Question] FOREIGN KEY ([quest\_id]) REFERENCES [dbo].[Question] ([quest\_id])  GO |

Uses

[[dbo].[Question]](#gcV04vimp50KHuEv07rUy74UZSo=)

Used By

[[dbo].[delete\_­Choise]](#bXrJwuYBTYPPhUfR6PZCuTFfrjA=)

[[dbo].[delete\_question]](#MXrtzx8hvWjXCuqz/c4irx8F/T8=)

[[dbo].[insert\_­Choise]](#hZviLimArVZW4lg36VdLcV/EZdQ=)

[[dbo].[questions]](#71k3dCNnEaAffefw81EERe4hWA8=)

[[dbo].[select\_all\_choise]](#p3z+0l6jssPJTzoI/m4X2LodpeQ=)

[[dbo].[select\_specific\_choices]](#C4YXmfITZxlp92KKTkOSnT/NeQs=)

[[dbo].[update\_­Choise]](#sY2g5rPIKO83Lk9PaFLAcebA8xI=)

|  |
| --- |
| [dbo].[Course] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | cr\_id | int | 4 | NOT NULL |
|  | cr\_name | nvarchar(100) | 200 | NULL allowed |
|  | cr\_hours\_duration | int | 4 | NULL allowed |
|  | cr\_days\_duration | int | 4 | NULL allowed |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Course | cr\_id | True |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Course]  (  [cr\_id] [int] NOT NULL,  [cr\_name] [nvarchar] (100) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [cr\_hours\_duration] [int] NULL,  [cr\_days\_duration] [int] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Course] ADD CONSTRAINT [PK\_­Course] PRIMARY KEY CLUSTERED ([cr\_id]) ON [PRIMARY]  GO |

Used By

[[dbo].[Course\_­Instructor]](#XsR7sVPvhCdco7ck89XT3s/SOE4=)

[[dbo].[Course\_­Topic]](#P/xye3+IbucSN/nXU9cl7Rxqx3I=)

[[dbo].[Course\_­Track]](#UZ8zshkt64px2fPoqyF7P5GnkH0=)

[[dbo].[Question]](#gcV04vimp50KHuEv07rUy74UZSo=)

[[dbo].[Student\_­Course]](#VcvDAxapeAbrz1qTgXB7TWsByTI=)

[[dbo].[delete\_­Course]](#DTpNoYuEx5fE6UKJp7WyO6hzapU=)

[[dbo].[insert\_­Course]](#fM3aWiFcZSKcqp8uM08tNjKM8EA=)

[[dbo].[insert\_­Course­Instructor]](#y4XywZGpcSiQniwyfn+Kz7Kz9Pg=)

[[dbo].[insert\_coursetopic]](#xz9p/HjxhNqjpSFb+w9wuyCt0qc=)

[[dbo].[insert\_course­Track]](#iZtw55Y59jaSaCv81re3TFSQfmo=)

[[dbo].[insert\_­Exam]](#1lh7EGGIl1fXRdVzTYsds7OK5vM=)

[[dbo].[insert\_question]](#1AXc+ZWDeo+QVu244gwWU8MV34o=)

[[dbo].[insert\_studentcourse]](#nF0bcda2t6q2YS7DE/jA2XhuC7I=)

[[dbo].[NCourse\_­Num­Stud]](#EqnuWRrq08qfye6nUtfAlSIxthE=)

[[dbo].[select\_specific­Course]](#Zm38h+cS738qUMQTWfO4psyjsJo=)

[[dbo].[selectall\_­Course]](#9Ti14aTuoL2fEyE8zBMSyIFRMgA=)

[[dbo].[stud\_grades]](#HV3TqoUykQNlnT+vKGlqV0GbFu4=)

[[dbo].[update\_­Course]](#kHONZu9+aMqkhrboR55zIl6NslU=)

[[dbo].[update\_­Course\_­Topic]](#sYkWFi1gjj7y9LDKFz9cTSzSmZk=)

[[dbo].[update\_­Course­Instructor]](#5qt0oz0P4zo0mT+R9QWBw1OOrL0=)

[[dbo].[update\_course­Track]](#XoO75yOy0cXSdGyqB+UYZ8yOsjY=)

[[dbo].[update\_question]](#v13B7p5Z+x5ft2ZDuWAJGABVKTU=)

[[dbo].[update\_­Studentcourse]](#F/hG8TJfzM3AB9R3xaaQ8D0L5O0=)

|  |
| --- |
| [dbo].[Course\_­Instructor] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | cr\_id | int | 4 | NOT NULL |
|  | ins\_id | int | 4 | NOT NULL |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Course\_­Instructor | cr\_id, ins\_id | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Course\_­Instructor\_­Course | cr\_id->[[dbo].[Course].[cr\_id]](#ubBiIifbzMv5iidxHnavX2gMCVg=) |
| FK\_­Course\_­Instructor\_­Instructor | ins\_id->[[dbo].[Instructor].[ins\_id]](#mXHVODiyg4CsqLo1bQkhlJyt5a4=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Course\_­Instructor]  (  [cr\_id] [int] NOT NULL,  [ins\_id] [int] NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Course\_­Instructor] ADD CONSTRAINT [PK\_­Course\_­Instructor] PRIMARY KEY CLUSTERED ([cr\_id], [ins\_id]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Course\_­Instructor] ADD CONSTRAINT [FK\_­Course\_­Instructor\_­Course] FOREIGN KEY ([cr\_id]) REFERENCES [dbo].[Course] ([cr\_id])  GO  ALTER TABLE [dbo].[Course\_­Instructor] ADD CONSTRAINT [FK\_­Course\_­Instructor\_­Instructor] FOREIGN KEY ([ins\_id]) REFERENCES [dbo].[Instructor] ([ins\_id])  GO |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

[[dbo].[Instructor]](#mXHVODiyg4CsqLo1bQkhlJyt5a4=)

Used By

[[dbo].[delete\_­Course]](#DTpNoYuEx5fE6UKJp7WyO6hzapU=)

[[dbo].[delete\_­Course­Instructor]](#OJOOvWGSLnbwkXaNe7VzMZXFZro=)

[[dbo].[delete\_­Instructor]](#syDSCsLSPQTrGk9Pt7quKWdLttY=)

[[dbo].[insert\_­Course­Instructor]](#y4XywZGpcSiQniwyfn+Kz7Kz9Pg=)

[[dbo].[NCourse\_­Num­Stud]](#EqnuWRrq08qfye6nUtfAlSIxthE=)

[[dbo].[selectspecific\_­Course\_­Instructor]](#FtlgCPacbPKERiNfhGUADrBiPfs=)

[[dbo].[update\_­Course­Instructor]](#5qt0oz0P4zo0mT+R9QWBw1OOrL0=)

|  |
| --- |
| [dbo].[Course\_­Topic] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | cr\_id | int | 4 | NOT NULL |
|  | topic\_id | int | 4 | NOT NULL |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Cr\_topic | cr\_id, topic\_id | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Course\_­Topic\_­Course | cr\_id->[[dbo].[Course].[cr\_id]](#ubBiIifbzMv5iidxHnavX2gMCVg=) |
| FK\_­Course\_­Topic\_­Topic | topic\_id->[[dbo].[Topic].[topic\_id]](#xn6Ew1p60cTVblDr6xVgmQqlGjI=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Course\_­Topic]  (  [cr\_id] [int] NOT NULL,  [topic\_id] [int] NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Course\_­Topic] ADD CONSTRAINT [PK\_­Cr\_topic] PRIMARY KEY CLUSTERED ([cr\_id], [topic\_id]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Course\_­Topic] ADD CONSTRAINT [FK\_­Course\_­Topic\_­Course] FOREIGN KEY ([cr\_id]) REFERENCES [dbo].[Course] ([cr\_id])  GO  ALTER TABLE [dbo].[Course\_­Topic] ADD CONSTRAINT [FK\_­Course\_­Topic\_­Topic] FOREIGN KEY ([topic\_id]) REFERENCES [dbo].[Topic] ([topic\_id])  GO |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

[[dbo].[Topic]](#xn6Ew1p60cTVblDr6xVgmQqlGjI=)

Used By

[[dbo].[delete\_­Course]](#DTpNoYuEx5fE6UKJp7WyO6hzapU=)

[[dbo].[delete\_­Course\_­Topic]](#zaeKI0QrsMg2tJxqZpqH9JtSZz8=)

[[dbo].[insert\_coursetopic]](#xz9p/HjxhNqjpSFb+w9wuyCt0qc=)

[[dbo].[selectspecific\_­Course­Topic]](#GX7sS6V9gCb/HzKE6XIPXKKzmus=)

[[dbo].[topics]](#Uqmjlpj3QtsPA/7uTB64egoeL+0=)

[[dbo].[update\_­Course\_­Topic]](#sYkWFi1gjj7y9LDKFz9cTSzSmZk=)

|  |
| --- |
| [dbo].[Course\_­Track] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | track\_id | int | 4 | NOT NULL |
|  | cr\_id | int | 4 | NOT NULL |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Course\_­Track | track\_id, cr\_id | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Course\_­Track\_­Course | cr\_id->[[dbo].[Course].[cr\_id]](#ubBiIifbzMv5iidxHnavX2gMCVg=) |
| FK\_­Course\_­Track\_­Track | track\_id->[[dbo].[Track].[track\_id]](#UFN+9hX2s6pZbubueOHmkgBybP8=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Course\_­Track]  (  [track\_id] [int] NOT NULL,  [cr\_id] [int] NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Course\_­Track] ADD CONSTRAINT [PK\_­Course\_­Track] PRIMARY KEY CLUSTERED ([track\_id], [cr\_id]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Course\_­Track] ADD CONSTRAINT [FK\_­Course\_­Track\_­Course] FOREIGN KEY ([cr\_id]) REFERENCES [dbo].[Course] ([cr\_id])  GO  ALTER TABLE [dbo].[Course\_­Track] ADD CONSTRAINT [FK\_­Course\_­Track\_­Track] FOREIGN KEY ([track\_id]) REFERENCES [dbo].[Track] ([track\_id])  GO |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

[[dbo].[Track]](#UFN+9hX2s6pZbubueOHmkgBybP8=)

Used By

[[dbo].[delete\_­Course]](#DTpNoYuEx5fE6UKJp7WyO6hzapU=)

[[dbo].[delete\_course­Track]](#iTPyznrpNvdxczHByo0DVkBJBvs=)

[[dbo].[delete\_track]](#cWqTOiy56mZrHFgERIHaS/1T+fw=)

[[dbo].[insert\_course­Track]](#iZtw55Y59jaSaCv81re3TFSQfmo=)

[[dbo].[selectspecific\_course­Track]](#63IoYDQ0Gkf1lNWZAI4nLk+d7Tk=)

[[dbo].[update\_course­Track]](#XoO75yOy0cXSdGyqB+UYZ8yOsjY=)

|  |
| --- |
| [dbo].[Exam] |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability | Default |
|  | exam\_id | int | 4 | NOT NULL |  |
|  | exam\_title | nvarchar(300) | 600 | NULL allowed |  |
|  | exam\_fullmark | int | 4 | NULL allowed |  |
|  | cr\_id | int | 4 | NULL allowed |  |
|  | exam\_startdate | datetime | 8 | NULL allowed |  |
|  | exam\_enddate | datetime | 8 | NULL allowed |  |
|  | questions\_numbers | int | 4 | NULL allowed | ((5)) |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Exam | exam\_id | True |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Exam]  (  [exam\_id] [int] NOT NULL,  [exam\_title] [nvarchar] (300) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [exam\_fullmark] [int] NULL,  [cr\_id] [int] NULL,  [exam\_startdate] [datetime] NULL,  [exam\_enddate] [datetime] NULL,  [questions\_numbers] [int] NULL CONSTRAINT [DF\_­Exam\_questions\_numbers] DEFAULT ((5))  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Exam] ADD CONSTRAINT [PK\_­Exam] PRIMARY KEY CLUSTERED ([exam\_id]) ON [PRIMARY]  GO |

Used By

[[dbo].[Exam\_­Question]](#sZfnkxGexsrOAkN+FsZKlurSUcU=)

[[dbo].[Student\_­Exam]](#qy4Erxf9napUjf8X6ZBGGyBdlrM=)

[[dbo].[Student\_­Exam\_­Question]](#5WDPTYucsH4kYleV5ROzCDhtt9k=)

[[dbo].[delete\_­Exam]](#YFULXjU89Ury29KtyjHzJtMowu0=)

[[dbo].[exam­Correction]](#EseMb7P5eeT3rXZ1y/FXGKAQrsc=)

[[dbo].[exam­Generation]](#3kHrw1eZch8dSUDvodWPbsW2SJk=)

[[dbo].[insert\_­Exam]](#1lh7EGGIl1fXRdVzTYsds7OK5vM=)

[[dbo].[insert\_­Exam\_­Question]](#sihyQXfzLypyd5XWgJmPBoboLAM=)

[[dbo].[insert\_­Student\_­Exam]](#a9J1hg+DFyAAcMKVHGm24y82oJU=)

[[dbo].[insert\_­Student\_­Exam\_­Question]](#MFDl2x95rb8q0y9XzXeNsimA4Bo=)

[[dbo].[select\_all\_­Exam]](#8274U3BbVt6A1dTw6OsI4vpYlSw=)

[[dbo].[select\_specific\_­Exam]](#mrnDGRE1iajlZS5vbfA68KnO74M=)

[[dbo].[update\_­Exam]](#xjyMQZtUUhogdLp7kKjBeTOpINs=)

[[dbo].[update\_­Student\_­Exam]](#U1LwPjYxebQCAv7hBD8vEeyyrU4=)

[[dbo].[update\_­Student\_­Exam\_­Question]](#FB0jLZTuANpOW+zuvwpAsKbH8d0=)

|  |
| --- |
| [dbo].[Exam\_­Question] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | exam\_id | int | 4 | NOT NULL |
|  | quest\_id | int | 4 | NOT NULL |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Exam\_­Question | exam\_id, quest\_id | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Exam\_­Question\_­Exam | exam\_id->[[dbo].[Exam].[exam\_id]](#0E5+a295uLd2BoE9OfJesNttNOY=) |
| FK\_­Exam\_­Question\_­Question | quest\_id->[[dbo].[Question].[quest\_id]](#gcV04vimp50KHuEv07rUy74UZSo=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Exam\_­Question]  (  [exam\_id] [int] NOT NULL,  [quest\_id] [int] NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Exam\_­Question] ADD CONSTRAINT [PK\_­Exam\_­Question] PRIMARY KEY CLUSTERED ([exam\_id], [quest\_id]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Exam\_­Question] ADD CONSTRAINT [FK\_­Exam\_­Question\_­Exam] FOREIGN KEY ([exam\_id]) REFERENCES [dbo].[Exam] ([exam\_id])  GO  ALTER TABLE [dbo].[Exam\_­Question] ADD CONSTRAINT [FK\_­Exam\_­Question\_­Question] FOREIGN KEY ([quest\_id]) REFERENCES [dbo].[Question] ([quest\_id])  GO |

Uses

[[dbo].[Exam]](#0E5+a295uLd2BoE9OfJesNttNOY=)

[[dbo].[Question]](#gcV04vimp50KHuEv07rUy74UZSo=)

Used By

[[dbo].[exam­Generation]](#3kHrw1eZch8dSUDvodWPbsW2SJk=)

[[dbo].[insert\_­Exam\_­Question]](#sihyQXfzLypyd5XWgJmPBoboLAM=)

[[dbo].[questions]](#71k3dCNnEaAffefw81EERe4hWA8=)

|  |
| --- |
| [dbo].[Freelancing] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | fl\_id | int | 4 | NOT NULL |
|  | job\_name | nvarchar(50) | 100 | NULL allowed |
|  | fl\_website | nvarchar(50) | 100 | NULL allowed |
|  | fl\_date | date | 3 | NULL allowed |
|  | st\_id | int | 4 | NULL allowed |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Freelancing | fl\_id | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Freelancing\_­Student | st\_id->[[dbo].[Student].[st\_id]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Freelancing]  (  [fl\_id] [int] NOT NULL,  [job\_name] [nvarchar] (50) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [fl\_website] [nvarchar] (50) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [fl\_date] [date] NULL,  [st\_id] [int] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Freelancing] ADD CONSTRAINT [PK\_­Freelancing] PRIMARY KEY CLUSTERED ([fl\_id]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Freelancing] ADD CONSTRAINT [FK\_­Freelancing\_­Student] FOREIGN KEY ([st\_id]) REFERENCES [dbo].[Student] ([st\_id])  GO |

Uses

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

Used By

[[dbo].[Freelancing\_­Skills]](#kBVI4Zy01M2T/HE40osnyBBbX1I=)

[[dbo].[delete\_­Freelancing]](#VozarJQoDM0rxULYrAf1Ob2gaOc=)

[[dbo].[delete\_student]](#inLyhu/s0L5pM8AvE/uNTxgWKhs=)

[[dbo].[insert\_­Freelancing]](#pwn2dqc9G1PyD+x6N7EUtb4yzJM=)

[[dbo].[insert\_­Freelancing­Skills]](#324aIxL5Sd5MT5PkhS3eK4yWl28=)

[[dbo].[select\_­Freelancingforstudent]](#bXD4trQxNu/w+SUWNYIvwAU9xjI=)

[[dbo].[update\_­Freelancing]](#wtJpJp+p0DVCDfIifycj4pKxtbg=)

[[dbo].[update\_­Freelancing­Skills]](#vWcesYMw+U2dVh79Vh1TCQpQx4k=)

|  |
| --- |
| [dbo].[Freelancing\_­Skills] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | fl\_id | int | 4 | NOT NULL |
|  | skills | nvarchar(50) | 100 | NOT NULL |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Freelancing\_­Skills | fl\_id, skills | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Freelancing\_­Skills\_­Freelancing | fl\_id->[[dbo].[Freelancing].[fl\_id]](#a9CJVL+HSzpl2CaukfvG2phZlO8=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Freelancing\_­Skills]  (  [fl\_id] [int] NOT NULL,  [skills] [nvarchar] (50) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Freelancing\_­Skills] ADD CONSTRAINT [PK\_­Freelancing\_­Skills] PRIMARY KEY CLUSTERED ([fl\_id], [skills]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Freelancing\_­Skills] ADD CONSTRAINT [FK\_­Freelancing\_­Skills\_­Freelancing] FOREIGN KEY ([fl\_id]) REFERENCES [dbo].[Freelancing] ([fl\_id])  GO |

Uses

[[dbo].[Freelancing]](#a9CJVL+HSzpl2CaukfvG2phZlO8=)

Used By

[[dbo].[delete\_­Freelancing­Skills]](#TRLy0qDp6Y70R61a5tkyipxaYMw=)

[[dbo].[select\_all­Freelancing­Skills]](#ecAFekb+vAj6h22nBvLmBbX6cOA=)

[[dbo].[update\_­Freelancing­Skills]](#vWcesYMw+U2dVh79Vh1TCQpQx4k=)

|  |
| --- |
| [dbo].[Hiring] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | hiring\_id | int | 4 | NOT NULL |
|  | job\_title | nvarchar(100) | 200 | NULL allowed |
|  | job\_type | nvarchar(20) | 40 | NULL allowed |
|  | job\_location | nvarchar(20) | 40 | NULL allowed |
|  | hiring\_date | date | 3 | NULL allowed |
|  | company\_name | nvarchar(50) | 100 | NULL allowed |
|  | st\_id | int | 4 | NULL allowed |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Hiring | hiring\_id | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Hiring\_­Student | st\_id->[[dbo].[Student].[st\_id]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Hiring]  (  [hiring\_id] [int] NOT NULL,  [job\_title] [nvarchar] (100) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [job\_type] [nvarchar] (20) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [job\_location] [nvarchar] (20) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [hiring\_date] [date] NULL,  [company\_name] [nvarchar] (50) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [st\_id] [int] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Hiring] ADD CONSTRAINT [PK\_­Hiring] PRIMARY KEY CLUSTERED ([hiring\_id]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Hiring] ADD CONSTRAINT [FK\_­Hiring\_­Student] FOREIGN KEY ([st\_id]) REFERENCES [dbo].[Student] ([st\_id])  GO |

Uses

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

Used By

[[dbo].[delete\_­Hiring]](#zlsoscl9625mUIV90dayZULjAhQ=)

[[dbo].[delete\_student]](#inLyhu/s0L5pM8AvE/uNTxgWKhs=)

[[dbo].[insert\_­Hiring]](#dIpwJKSA3QJg694zVQC0V0JR9FE=)

[[dbo].[select\_­Hiringforstudent]](#cKfs5lZ0JWp1UDbaaMHPBG0jTDI=)

[[dbo].[update\_­Hiring]](#kWGdGLHg0ohhL8kBH1LD34u8o6E=)

|  |
| --- |
| [dbo].[Instructor] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | ins\_id | int | 4 | NOT NULL |
|  | ins\_ssn | nvarchar(50) | 100 | NULL allowed |
|  | ins\_fname | nvarchar(50) | 100 | NULL allowed |
|  | ins\_lname | nvarchar(50) | 100 | NULL allowed |
|  | ins\_birthdate | date | 3 | NULL allowed |
|  | ins\_gender | nvarchar(10) | 20 | NULL allowed |
|  | ins\_city | nvarchar(50) | 100 | NULL allowed |
|  | ins\_salary | float | 8 | NULL allowed |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Instructor | ins\_id | True |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Instructor]  (  [ins\_id] [int] NOT NULL,  [ins\_ssn] [nvarchar] (50) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [ins\_fname] [nvarchar] (50) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [ins\_lname] [nvarchar] (50) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [ins\_birthdate] [date] NULL,  [ins\_gender] [nvarchar] (10) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [ins\_city] [nvarchar] (50) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [ins\_salary] [float] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Instructor] ADD CONSTRAINT [PK\_­Instructor] PRIMARY KEY CLUSTERED ([ins\_id]) ON [PRIMARY]  GO |

Used By

[[dbo].[Course\_­Instructor]](#XsR7sVPvhCdco7ck89XT3s/SOE4=)

[[dbo].[Register\_­Instructor]](#M1nlvTJKY8DOvA5nAp0p//8pMYs=)

[[dbo].[Track]](#UFN+9hX2s6pZbubueOHmkgBybP8=)

[[dbo].[delete\_­Instructor]](#syDSCsLSPQTrGk9Pt7quKWdLttY=)

[[dbo].[insert\_­Course­Instructor]](#y4XywZGpcSiQniwyfn+Kz7Kz9Pg=)

[[dbo].[insert\_­Instructor]](#ZKgBugGtSUbOVJ8qS2PvSqGpSXA=)

[[dbo].[insert\_instructor­Track]](#LA09O3KRf/AyJzqodOSEHipiaRg=)

[[dbo].[insert\_­Register\_­Instructor]](#cLOKKJHzcvswC3zKGj7n1BJ4iHs=)

[[dbo].[insert\_track]](#wDpYO7V9nFv4sOcehMb4fPThH0M=)

[[dbo].[select\_all\_­Instructor]](#rO/P5TA8oLj3OHPnZiWXxX93K3M=)

[[dbo].[select\_specific\_­Instructor]](#yODP62rzLE7qSjn1k4ZQ/okCbF4=)

[[dbo].[update\_­Course­Instructor]](#5qt0oz0P4zo0mT+R9QWBw1OOrL0=)

[[dbo].[update\_­Instructor]](#51bb8PjWN1cMPX3xVM/M/beJr/I=)

[[dbo].[update\_instructor­Track]](#frKokVhZq/05DyYnv9SJY9rP2gw=)

[[dbo].[update\_­Register\_­Instructor]](#VfisHbJe9oHf1vaNmIFKZRxZRfc=)

|  |
| --- |
| [dbo].[Intake] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | int\_id | int | 4 | NOT NULL |
|  | int\_startdate | date | 3 | NULL allowed |
|  | int\_enddate | date | 3 | NULL allowed |
|  | expected\_startdate | date | 3 | NULL allowed |
|  | expected\_enddate | date | 3 | NULL allowed |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Intake | int\_id | True |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Intake]  (  [int\_id] [int] NOT NULL,  [int\_startdate] [date] NULL,  [int\_enddate] [date] NULL,  [expected\_startdate] [date] NULL,  [expected\_enddate] [date] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Intake] ADD CONSTRAINT [PK\_­Intake] PRIMARY KEY CLUSTERED ([int\_id]) ON [PRIMARY]  GO |

Used By

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

[[dbo].[delete\_­Intake]](#hJBirp+VPGCKx4VEDWTJJ950VM4=)

[[dbo].[insert\_intake]](#9acMOevv630lTXoRocg+/phrqY0=)

[[dbo].[insert\_student]](#zFW6TOZQ06cqiwYmsabt2AvUgPk=)

[[dbo].[select\_all\_intake]](#HpaN/sdtpktIjpbNtMy7rBc0QoA=)

[[dbo].[select\_intake]](#l4qEJm8Q0r/aKX2GipT7bCG1kvA=)

[[dbo].[update\_intake]](#E2EJG0e8hugj4qdwZ4Lm6lGLPjs=)

[[dbo].[update\_student]](#LDG1F4+sqmonlq9PXeVbMFLnNUU=)

|  |
| --- |
| [dbo].[Question] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | quest\_id | int | 4 | NOT NULL |
|  | quest\_type | nvarchar(20) | 40 | NULL allowed |
|  | quest\_text | nchar(500) | 1000 | NULL allowed |
|  | quest\_answer | nchar(500) | 1000 | NULL allowed |
|  | cr\_id | int | 4 | NULL allowed |
|  | quest\_level | nchar(1) | 2 | NULL allowed |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Question | quest\_id | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Question\_­Course | cr\_id->[[dbo].[Course].[cr\_id]](#ubBiIifbzMv5iidxHnavX2gMCVg=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Question]  (  [quest\_id] [int] NOT NULL,  [quest\_type] [nvarchar] (20) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [quest\_text] [nchar] (500) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [quest\_answer] [nchar] (500) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [cr\_id] [int] NULL,  [quest\_level] [nchar] (1) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Question] ADD CONSTRAINT [PK\_­Question] PRIMARY KEY CLUSTERED ([quest\_id]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Question] ADD CONSTRAINT [FK\_­Question\_­Course] FOREIGN KEY ([cr\_id]) REFERENCES [dbo].[Course] ([cr\_id])  GO |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

Used By

[[dbo].[Choise]](#5nqCldOT09M+v0A2CZsN542HqyE=)

[[dbo].[Exam\_­Question]](#sZfnkxGexsrOAkN+FsZKlurSUcU=)

[[dbo].[Student\_­Exam\_­Question]](#5WDPTYucsH4kYleV5ROzCDhtt9k=)

[[dbo].[delete\_­Course]](#DTpNoYuEx5fE6UKJp7WyO6hzapU=)

[[dbo].[delete\_question]](#MXrtzx8hvWjXCuqz/c4irx8F/T8=)

[[dbo].[exam­Correction]](#EseMb7P5eeT3rXZ1y/FXGKAQrsc=)

[[dbo].[exam­Generation]](#3kHrw1eZch8dSUDvodWPbsW2SJk=)

[[dbo].[insert\_­Choise]](#hZviLimArVZW4lg36VdLcV/EZdQ=)

[[dbo].[insert\_­Exam\_­Question]](#sihyQXfzLypyd5XWgJmPBoboLAM=)

[[dbo].[insert\_question]](#1AXc+ZWDeo+QVu244gwWU8MV34o=)

[[dbo].[insert\_­Student\_­Exam\_­Question]](#MFDl2x95rb8q0y9XzXeNsimA4Bo=)

[[dbo].[questions]](#71k3dCNnEaAffefw81EERe4hWA8=)

[[dbo].[questions\_stud­Answer]](#fZlhTiWHfGviBHlMVFrk8Bjbcr8=)

[[dbo].[select\_all\_­Questions]](#3jYxP2d3xpDWSQwUtTtj+rJUJwk=)

[[dbo].[select\_specific\_­Question]](#RQunrTHJADars82UvGxDigvm+us=)

[[dbo].[update\_­Choise]](#sY2g5rPIKO83Lk9PaFLAcebA8xI=)

[[dbo].[update\_question]](#v13B7p5Z+x5ft2ZDuWAJGABVKTU=)

[[dbo].[update\_­Student\_­Exam\_­Question]](#FB0jLZTuANpOW+zuvwpAsKbH8d0=)

|  |
| --- |
| [dbo].[Register\_­Instructor] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | ins\_id | int | 4 | NOT NULL |
|  | register\_id | int | 4 | NOT NULL |
|  | ins\_register\_insertion\_date | date | 3 | NULL allowed |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Register\_­Instructor | ins\_id, register\_id | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Register\_­Instructor\_­Instructor | ins\_id->[[dbo].[Instructor].[ins\_id]](#mXHVODiyg4CsqLo1bQkhlJyt5a4=) |
| FK\_­Register\_­Instructor\_­Registeration | register\_id->[[dbo].[Registeration].[register\_id]](#xyfh4wsLP7AF+sh1o1Z/Za8A7pM=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Register\_­Instructor]  (  [ins\_id] [int] NOT NULL,  [register\_id] [int] NOT NULL,  [ins\_register\_insertion\_date] [date] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Register\_­Instructor] ADD CONSTRAINT [PK\_­Register\_­Instructor] PRIMARY KEY CLUSTERED ([ins\_id], [register\_id]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Register\_­Instructor] ADD CONSTRAINT [FK\_­Register\_­Instructor\_­Instructor] FOREIGN KEY ([ins\_id]) REFERENCES [dbo].[Instructor] ([ins\_id])  GO  ALTER TABLE [dbo].[Register\_­Instructor] ADD CONSTRAINT [FK\_­Register\_­Instructor\_­Registeration] FOREIGN KEY ([register\_id]) REFERENCES [dbo].[Registeration] ([register\_id])  GO |

Uses

[[dbo].[Instructor]](#mXHVODiyg4CsqLo1bQkhlJyt5a4=)

[[dbo].[Registeration]](#xyfh4wsLP7AF+sh1o1Z/Za8A7pM=)

Used By

[[dbo].[delete\_­Instructor]](#syDSCsLSPQTrGk9Pt7quKWdLttY=)

[[dbo].[delete\_­Register\_­Instructor]](#GspOv0R2MZxFzXDrZ7HXi1+psYw=)

[[dbo].[delete\_registration]](#39a2RxauRmavrRmSMHQ7UszwGw8=)

[[dbo].[insert\_­Register\_­Instructor]](#cLOKKJHzcvswC3zKGj7n1BJ4iHs=)

[[dbo].[insert\_­Register\_­Student]](#rZRZ8GY27LoXFWYLSNq2kkdeOrA=)

[[dbo].[select\_all\_­Register\_­Instructor]](#hjZVU4YCun5ksSHQ6icfka1tm8c=)

[[dbo].[select\_all\_­Register\_­Student]](#TZecsMmEqAOL4lnba3xrWZZCG4Y=)

[[dbo].[select\_­Register\_­Instructor]](#E02CogK0opEr4hHpuFJtDlz7y/M=)

[[dbo].[update\_­Register\_­Instructor]](#VfisHbJe9oHf1vaNmIFKZRxZRfc=)

|  |
| --- |
| [dbo].[Register\_­Student] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | st\_id | int | 4 | NOT NULL |
|  | register\_id | int | 4 | NOT NULL |
|  | st\_register\_insertion\_date | date | 3 | NULL allowed |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Register\_­Student | st\_id, register\_id | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Register\_­Student\_­Registeration | register\_id->[[dbo].[Registeration].[register\_id]](#xyfh4wsLP7AF+sh1o1Z/Za8A7pM=) |
| FK\_­Register\_­Student\_­Student | st\_id->[[dbo].[Student].[st\_id]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Register\_­Student]  (  [st\_id] [int] NOT NULL,  [register\_id] [int] NOT NULL,  [st\_register\_insertion\_date] [date] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Register\_­Student] ADD CONSTRAINT [PK\_­Register\_­Student] PRIMARY KEY CLUSTERED ([st\_id], [register\_id]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Register\_­Student] ADD CONSTRAINT [FK\_­Register\_­Student\_­Registeration] FOREIGN KEY ([register\_id]) REFERENCES [dbo].[Registeration] ([register\_id])  GO  ALTER TABLE [dbo].[Register\_­Student] ADD CONSTRAINT [FK\_­Register\_­Student\_­Student] FOREIGN KEY ([st\_id]) REFERENCES [dbo].[Student] ([st\_id])  GO |

Uses

[[dbo].[Registeration]](#xyfh4wsLP7AF+sh1o1Z/Za8A7pM=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

Used By

[[dbo].[delete\_­Register\_­Student]](#aEpEIgRj4KIX/XUU6itKtZztJUY=)

[[dbo].[delete\_registration]](#39a2RxauRmavrRmSMHQ7UszwGw8=)

[[dbo].[delete\_student]](#inLyhu/s0L5pM8AvE/uNTxgWKhs=)

[[dbo].[insert\_­Register\_­Student]](#rZRZ8GY27LoXFWYLSNq2kkdeOrA=)

[[dbo].[select\_­Register\_­Student]](#3hH/Z3IsHA4CH96XxmBA5v2z+FU=)

[[dbo].[update\_­Register\_­Student]](#0FmCY2/vAi5VdH5TZSA67UFmmwQ=)

|  |
| --- |
| [dbo].[Registeration] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | register\_id | int | 4 | NOT NULL |
|  | email | nvarchar(50) | 100 | NULL allowed |
|  | username | nvarchar(50) | 100 | NULL allowed |
|  | password | nvarchar(20) | 40 | NULL allowed |
|  | usertype | nvarchar(20) | 40 | NULL allowed |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Registeration | register\_id | True |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Registeration]  (  [register\_id] [int] NOT NULL,  [email] [nvarchar] (50) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [username] [nvarchar] (50) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [password] [nvarchar] (20) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [usertype] [nvarchar] (20) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Registeration] ADD CONSTRAINT [PK\_­Registeration] PRIMARY KEY CLUSTERED ([register\_id]) ON [PRIMARY]  GO |

Used By

[[dbo].[Register\_­Instructor]](#M1nlvTJKY8DOvA5nAp0p//8pMYs=)

[[dbo].[Register\_­Student]](#E2O6AMM3bt01zaKCvl0pidDIsvg=)

[[dbo].[delete\_registration]](#39a2RxauRmavrRmSMHQ7UszwGw8=)

[[dbo].[insert\_­Register\_­Instructor]](#cLOKKJHzcvswC3zKGj7n1BJ4iHs=)

[[dbo].[insert\_­Register\_­Student]](#rZRZ8GY27LoXFWYLSNq2kkdeOrA=)

[[dbo].[insert\_registration]](#WPJhh0KB3XKmuC3kvvWpID/FT44=)

[[dbo].[select\_all\_registration]](#sMPp5OVPMnFD1OgUFypz/egHqx4=)

[[dbo].[select\_specific\_registration]](#AovtuSezRSGP4hh+c/o4Zy831jo=)

[[dbo].[update\_­Register\_­Instructor]](#VfisHbJe9oHf1vaNmIFKZRxZRfc=)

[[dbo].[update\_­Register\_­Student]](#0FmCY2/vAi5VdH5TZSA67UFmmwQ=)

[[dbo].[update\_registration]](#+ZJU9KjdkTaBO7AHpXvPT9jKkHA=)

|  |
| --- |
| [dbo].[Social\_­Media] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | st\_id | int | 4 | NOT NULL |
|  | social\_id | int | 4 | NOT NULL |
|  | website\_link | nvarchar(200) | 400 | NULL allowed |
|  | website\_name | nvarchar(100) | 200 | NULL allowed |
|  | st\_name | nvarchar(50) | 100 | NULL allowed |
|  | st\_photo | image | max | NULL allowed |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Social\_­Media | social\_id | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Social\_­Media\_­Student | st\_id->[[dbo].[Student].[st\_id]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Social\_­Media]  (  [st\_id] [int] NOT NULL,  [social\_id] [int] NOT NULL,  [website\_link] [nvarchar] (200) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [website\_name] [nvarchar] (100) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [st\_name] [nvarchar] (50) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [st\_photo] [image] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Social\_­Media] ADD CONSTRAINT [PK\_­Social\_­Media] PRIMARY KEY CLUSTERED ([social\_id]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Social\_­Media] ADD CONSTRAINT [FK\_­Social\_­Media\_­Student] FOREIGN KEY ([st\_id]) REFERENCES [dbo].[Student] ([st\_id])  GO |

Uses

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

Used By

[[dbo].[delete\_student]](#inLyhu/s0L5pM8AvE/uNTxgWKhs=)

|  |
| --- |
| [dbo].[Student] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | st\_id | int | 4 | NOT NULL |
|  | st\_ssn | nvarchar(50) | 100 | NULL allowed |
|  | st\_birthdate | date | 3 | NULL allowed |
|  | st\_city | nvarchar(50) | 100 | NULL allowed |
|  | st\_fname | nvarchar(50) | 100 | NULL allowed |
|  | st\_lname | nvarchar(50) | 100 | NULL allowed |
|  | st\_gender | nvarchar(10) | 20 | NULL allowed |
|  | track\_id | int | 4 | NULL allowed |
|  | int\_id | int | 4 | NULL allowed |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Student | st\_id | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Student\_­Intake | int\_id->[[dbo].[Intake].[int\_id]](#3j2HT+8elbRyHBUzscdysrXEhJo=) |
| FK\_­Student\_­Track | track\_id->[[dbo].[Track].[track\_id]](#UFN+9hX2s6pZbubueOHmkgBybP8=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Student]  (  [st\_id] [int] NOT NULL,  [st\_ssn] [nvarchar] (50) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [st\_birthdate] [date] NULL,  [st\_city] [nvarchar] (50) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [st\_fname] [nvarchar] (50) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [st\_lname] [nvarchar] (50) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [st\_gender] [nvarchar] (10) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [track\_id] [int] NULL,  [int\_id] [int] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Student] ADD CONSTRAINT [PK\_­Student] PRIMARY KEY CLUSTERED ([st\_id]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Student] ADD CONSTRAINT [FK\_­Student\_­Intake] FOREIGN KEY ([int\_id]) REFERENCES [dbo].[Intake] ([int\_id])  GO  ALTER TABLE [dbo].[Student] ADD CONSTRAINT [FK\_­Student\_­Track] FOREIGN KEY ([track\_id]) REFERENCES [dbo].[Track] ([track\_id])  GO |

Uses

[[dbo].[Intake]](#3j2HT+8elbRyHBUzscdysrXEhJo=)

[[dbo].[Track]](#UFN+9hX2s6pZbubueOHmkgBybP8=)

Used By

[[dbo].[Freelancing]](#a9CJVL+HSzpl2CaukfvG2phZlO8=)

[[dbo].[Hiring]](#dOVyayilBLJ8A9S+d8O7yTSKOFo=)

[[dbo].[Register\_­Student]](#E2O6AMM3bt01zaKCvl0pidDIsvg=)

[[dbo].[Social\_­Media]](#KNyVcR4CZGstU/VXu16zZ7o4+l0=)

[[dbo].[Student\_­Certification]](#g3OVFaYzbN3JUd1aqt1oUpaIUYY=)

[[dbo].[Student\_­Course]](#VcvDAxapeAbrz1qTgXB7TWsByTI=)

[[dbo].[Student\_­Exam]](#qy4Erxf9napUjf8X6ZBGGyBdlrM=)

[[dbo].[Student\_­Exam\_­Question]](#5WDPTYucsH4kYleV5ROzCDhtt9k=)

[[dbo].[delete\_­Intake]](#hJBirp+VPGCKx4VEDWTJJ950VM4=)

[[dbo].[delete\_student]](#inLyhu/s0L5pM8AvE/uNTxgWKhs=)

[[dbo].[delete\_­Student­Certification]](#DlOcK607kl8zkTBFhNoS6DzwIqM=)

[[dbo].[delete\_track]](#cWqTOiy56mZrHFgERIHaS/1T+fw=)

[[dbo].[insert\_­Freelancing]](#pwn2dqc9G1PyD+x6N7EUtb4yzJM=)

[[dbo].[insert\_­Hiring]](#dIpwJKSA3QJg694zVQC0V0JR9FE=)

[[dbo].[insert\_­Register\_­Student]](#rZRZ8GY27LoXFWYLSNq2kkdeOrA=)

[[dbo].[insert\_student]](#zFW6TOZQ06cqiwYmsabt2AvUgPk=)

[[dbo].[insert\_­Student\_­Exam]](#a9J1hg+DFyAAcMKVHGm24y82oJU=)

[[dbo].[insert\_­Student\_­Exam\_­Question]](#MFDl2x95rb8q0y9XzXeNsimA4Bo=)

[[dbo].[insert\_­Student­Certification]](#McocYS2ndXSJyyFgLDn9fCh9qlY=)

[[dbo].[insert\_studentcourse]](#nF0bcda2t6q2YS7DE/jA2XhuC7I=)

[[dbo].[select\_all\_­Student]](#zuJh/eYxWkNhak9ne8ssQGw2uqk=)

[[dbo].[select\_­Freelancingforstudent]](#bXD4trQxNu/w+SUWNYIvwAU9xjI=)

[[dbo].[select\_specific\_student]](#5mt8tRKKOt2ppQebmmDeyzuwgI0=)

[[dbo].[select\_specific\_­Track]](#GJJwullIyKcto+4B7nzzhtwt5qQ=)

[[dbo].[stud\_info]](#38k9BuhW4I780LjLvlGv8ojtzSg=)

[[dbo].[update\_­Freelancing]](#wtJpJp+p0DVCDfIifycj4pKxtbg=)

[[dbo].[update\_­Hiring]](#kWGdGLHg0ohhL8kBH1LD34u8o6E=)

[[dbo].[update\_­Register\_­Student]](#0FmCY2/vAi5VdH5TZSA67UFmmwQ=)

[[dbo].[update\_student]](#LDG1F4+sqmonlq9PXeVbMFLnNUU=)

[[dbo].[update\_­Student\_­Exam]](#U1LwPjYxebQCAv7hBD8vEeyyrU4=)

[[dbo].[update\_­Student\_­Exam\_­Question]](#FB0jLZTuANpOW+zuvwpAsKbH8d0=)

[[dbo].[update\_­Student­Certification]](#/8BSd33xMq18w8VSlCWtxgRY69k=)

[[dbo].[update\_­Studentcourse]](#F/hG8TJfzM3AB9R3xaaQ8D0L5O0=)

|  |
| --- |
| [dbo].[Student\_­Certification] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | st\_id | int | 4 | NOT NULL |
|  | cert\_id | int | 4 | NOT NULL |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Student\_­Certification | st\_id, cert\_id | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Student\_­Certification\_­Certification | cert\_id->[[dbo].[Certification].[cert\_id]](#6ws3CYTDGE94YPM6/0yuAS48ocY=) |
| FK\_­Student\_­Certification\_­Student | st\_id->[[dbo].[Student].[st\_id]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Student\_­Certification]  (  [st\_id] [int] NOT NULL,  [cert\_id] [int] NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Student\_­Certification] ADD CONSTRAINT [PK\_­Student\_­Certification] PRIMARY KEY CLUSTERED ([st\_id], [cert\_id]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Student\_­Certification] ADD CONSTRAINT [FK\_­Student\_­Certification\_­Certification] FOREIGN KEY ([cert\_id]) REFERENCES [dbo].[Certification] ([cert\_id])  GO  ALTER TABLE [dbo].[Student\_­Certification] ADD CONSTRAINT [FK\_­Student\_­Certification\_­Student] FOREIGN KEY ([st\_id]) REFERENCES [dbo].[Student] ([st\_id])  GO |

Uses

[[dbo].[Certification]](#6ws3CYTDGE94YPM6/0yuAS48ocY=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

Used By

[[dbo].[delete\_student]](#inLyhu/s0L5pM8AvE/uNTxgWKhs=)

[[dbo].[delete\_­Student­Certification]](#DlOcK607kl8zkTBFhNoS6DzwIqM=)

[[dbo].[insert\_­Student­Certification]](#McocYS2ndXSJyyFgLDn9fCh9qlY=)

[[dbo].[select\_­Student­Certification]](#gtTWfTX+o5rENrd1CHxTxCYqMzg=)

[[dbo].[update\_­Student­Certification]](#/8BSd33xMq18w8VSlCWtxgRY69k=)

|  |
| --- |
| [dbo].[Student\_­Course] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | cr\_id | int | 4 | NOT NULL |
|  | st\_id | int | 4 | NOT NULL |
|  | grade | int | 4 | NULL allowed |
|  | cr\_rate | int | 4 | NULL allowed |
|  | ins\_rate | int | 4 | NULL allowed |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Student\_­Course | cr\_id, st\_id | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Student\_­Course\_­Course | cr\_id->[[dbo].[Course].[cr\_id]](#ubBiIifbzMv5iidxHnavX2gMCVg=) |
| FK\_­Student\_­Course\_­Student | st\_id->[[dbo].[Student].[st\_id]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Student\_­Course]  (  [cr\_id] [int] NOT NULL,  [st\_id] [int] NOT NULL,  [grade] [int] NULL,  [cr\_rate] [int] NULL,  [ins\_rate] [int] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Student\_­Course] ADD CONSTRAINT [PK\_­Student\_­Course] PRIMARY KEY CLUSTERED ([cr\_id], [st\_id]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Student\_­Course] ADD CONSTRAINT [FK\_­Student\_­Course\_­Course] FOREIGN KEY ([cr\_id]) REFERENCES [dbo].[Course] ([cr\_id])  GO  ALTER TABLE [dbo].[Student\_­Course] ADD CONSTRAINT [FK\_­Student\_­Course\_­Student] FOREIGN KEY ([st\_id]) REFERENCES [dbo].[Student] ([st\_id])  GO |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

Used By

[[dbo].[delete\_­Course]](#DTpNoYuEx5fE6UKJp7WyO6hzapU=)

[[dbo].[delete\_student]](#inLyhu/s0L5pM8AvE/uNTxgWKhs=)

[[dbo].[delete\_­Studentcourse]](#HYeI194MvHYMk2q9F1E+XLly8n4=)

[[dbo].[exam­Correction]](#EseMb7P5eeT3rXZ1y/FXGKAQrsc=)

[[dbo].[insert\_studentcourse]](#nF0bcda2t6q2YS7DE/jA2XhuC7I=)

[[dbo].[NCourse\_­Num­Stud]](#EqnuWRrq08qfye6nUtfAlSIxthE=)

[[dbo].[selectspecific\_­Studentcourse]](#dHLQXGnPQNfNPOKhWfF016q1Sso=)

[[dbo].[stud\_grades]](#HV3TqoUykQNlnT+vKGlqV0GbFu4=)

[[dbo].[update\_­Studentcourse]](#F/hG8TJfzM3AB9R3xaaQ8D0L5O0=)

|  |
| --- |
| [dbo].[Student\_­Exam] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | st\_id | int | 4 | NOT NULL |
|  | ex\_id | int | 4 | NOT NULL |
|  | st\_ex\_starttime | datetime | 8 | NULL allowed |
|  | st\_ex\_endtime | datetime | 8 | NULL allowed |
|  | solved\_questions | int | 4 | NULL allowed |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Student\_­Exam | st\_id, ex\_id | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Student\_­Exam\_­Exam | ex\_id->[[dbo].[Exam].[exam\_id]](#0E5+a295uLd2BoE9OfJesNttNOY=) |
| FK\_­Student\_­Exam\_­Student | st\_id->[[dbo].[Student].[st\_id]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Student\_­Exam]  (  [st\_id] [int] NOT NULL,  [ex\_id] [int] NOT NULL,  [st\_ex\_starttime] [datetime] NULL,  [st\_ex\_endtime] [datetime] NULL,  [solved\_questions] [int] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Student\_­Exam] ADD CONSTRAINT [PK\_­Student\_­Exam] PRIMARY KEY CLUSTERED ([st\_id], [ex\_id]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Student\_­Exam] ADD CONSTRAINT [FK\_­Student\_­Exam\_­Exam] FOREIGN KEY ([ex\_id]) REFERENCES [dbo].[Exam] ([exam\_id])  GO  ALTER TABLE [dbo].[Student\_­Exam] ADD CONSTRAINT [FK\_­Student\_­Exam\_­Student] FOREIGN KEY ([st\_id]) REFERENCES [dbo].[Student] ([st\_id])  GO |

Uses

[[dbo].[Exam]](#0E5+a295uLd2BoE9OfJesNttNOY=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

Used By

[[dbo].[delete\_­Exam]](#YFULXjU89Ury29KtyjHzJtMowu0=)

[[dbo].[delete\_student]](#inLyhu/s0L5pM8AvE/uNTxgWKhs=)

[[dbo].[delete\_­Student\_­Exam]](#0fGtKjPr8IeDBv5lk/2Pk2pZsQk=)

[[dbo].[exam­Correction]](#EseMb7P5eeT3rXZ1y/FXGKAQrsc=)

[[dbo].[insert\_­Student\_­Exam]](#a9J1hg+DFyAAcMKVHGm24y82oJU=)

[[dbo].[select\_all\_­Student\_­Exam]](#WzlHUxwHgXIAPSLJaw7TdK7+7NE=)

[[dbo].[select\_­Student\_­Exam]](#j1cC10spayGQ8Uzx5lGO3O+4ZFc=)

[[dbo].[update\_­Student\_­Exam]](#U1LwPjYxebQCAv7hBD8vEeyyrU4=)

|  |
| --- |
| [dbo].[Student\_­Exam\_­Question] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | st\_id | int | 4 | NOT NULL |
|  | ex\_id | int | 4 | NOT NULL |
|  | quest\_id | int | 4 | NOT NULL |
|  | st\_answer | nvarchar(max) | max | NULL allowed |
|  | quest\_grade | int | 4 | NULL allowed |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Student\_­Exam\_­Question | st\_id, ex\_id, quest\_id | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Student\_­Exam\_­Question\_­Exam | ex\_id->[[dbo].[Exam].[exam\_id]](#0E5+a295uLd2BoE9OfJesNttNOY=) |
| FK\_­Student\_­Exam\_­Question\_­Question | quest\_id->[[dbo].[Question].[quest\_id]](#gcV04vimp50KHuEv07rUy74UZSo=) |
| FK\_­Student\_­Exam\_­Question\_­Student | st\_id->[[dbo].[Student].[st\_id]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Student\_­Exam\_­Question]  (  [st\_id] [int] NOT NULL,  [ex\_id] [int] NOT NULL,  [quest\_id] [int] NOT NULL,  [st\_answer] [nvarchar] (max) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [quest\_grade] [int] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Student\_­Exam\_­Question] ADD CONSTRAINT [PK\_­Student\_­Exam\_­Question] PRIMARY KEY CLUSTERED ([st\_id], [ex\_id], [quest\_id]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Student\_­Exam\_­Question] ADD CONSTRAINT [FK\_­Student\_­Exam\_­Question\_­Exam] FOREIGN KEY ([ex\_id]) REFERENCES [dbo].[Exam] ([exam\_id])  GO  ALTER TABLE [dbo].[Student\_­Exam\_­Question] ADD CONSTRAINT [FK\_­Student\_­Exam\_­Question\_­Question] FOREIGN KEY ([quest\_id]) REFERENCES [dbo].[Question] ([quest\_id])  GO  ALTER TABLE [dbo].[Student\_­Exam\_­Question] ADD CONSTRAINT [FK\_­Student\_­Exam\_­Question\_­Student] FOREIGN KEY ([st\_id]) REFERENCES [dbo].[Student] ([st\_id])  GO |

Uses

[[dbo].[Exam]](#0E5+a295uLd2BoE9OfJesNttNOY=)

[[dbo].[Question]](#gcV04vimp50KHuEv07rUy74UZSo=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

Used By

[[dbo].[delete\_­Exam]](#YFULXjU89Ury29KtyjHzJtMowu0=)

[[dbo].[delete\_question]](#MXrtzx8hvWjXCuqz/c4irx8F/T8=)

[[dbo].[delete\_student]](#inLyhu/s0L5pM8AvE/uNTxgWKhs=)

[[dbo].[delete\_­Student\_­Exam\_­Question]](#QbfTXAW3Qa0p7Nea7QyFNENOLB0=)

[[dbo].[exam­Answer]](#x+voygTkMTIznwYCJmNHS/uPyuU=)

[[dbo].[exam­Correction]](#EseMb7P5eeT3rXZ1y/FXGKAQrsc=)

[[dbo].[insert\_­Student\_­Exam\_­Question]](#MFDl2x95rb8q0y9XzXeNsimA4Bo=)

[[dbo].[questions\_stud­Answer]](#fZlhTiWHfGviBHlMVFrk8Bjbcr8=)

[[dbo].[select\_all\_­Student\_­Exam\_­Question]](#0sORlxkBkEJ+Q52tjZpccjHvuVk=)

[[dbo].[select\_­Student\_­Exam\_­Question]](#2qbYhaLAze6C7lRzJTupMcBgz1s=)

[[dbo].[update\_­Student\_­Exam\_­Question]](#FB0jLZTuANpOW+zuvwpAsKbH8d0=)

|  |
| --- |
| [dbo].[Topic] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | topic\_id | int | 4 | NOT NULL |
|  | topic\_name | nvarchar(50) | 100 | NULL allowed |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Topic | topic\_id | True |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Topic]  (  [topic\_id] [int] NOT NULL,  [topic\_name] [nvarchar] (50) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Topic] ADD CONSTRAINT [PK\_­Topic] PRIMARY KEY CLUSTERED ([topic\_id]) ON [PRIMARY]  GO |

Used By

[[dbo].[Course\_­Topic]](#P/xye3+IbucSN/nXU9cl7Rxqx3I=)

[[dbo].[delete\_topic]](#9aQp8WLg/PnTt36j7l2AA8X7ShE=)

[[dbo].[insert\_coursetopic]](#xz9p/HjxhNqjpSFb+w9wuyCt0qc=)

[[dbo].[insert\_topic]](#F51d40jnY6OCaj2xruS3ilC3UAw=)

[[dbo].[select\_­Specific­Topic]](#7FqoBrL2sL2jeUACUa6qs3wMocg=)

[[dbo].[topics]](#Uqmjlpj3QtsPA/7uTB64egoeL+0=)

[[dbo].[update\_­Course\_­Topic]](#sYkWFi1gjj7y9LDKFz9cTSzSmZk=)

[[dbo].[update\_topic]](#+8bHT8MjWJU/RThzPk/EZdW+7CY=)

|  |
| --- |
| [dbo].[Track] |

Columns

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Nullability |
|  | track\_id | int | 4 | NOT NULL |
|  | track\_name | nvarchar(100) | 200 | NULL allowed |
|  | supervisor\_id | int | 4 | NULL allowed |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Key Columns | Unique |
|  | PK\_­Track | track\_id | True |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Track\_­Instructor | supervisor\_id->[[dbo].[Instructor].[ins\_id]](#mXHVODiyg4CsqLo1bQkhlJyt5a4=) |

SQL Script

|  |
| --- |
| CREATE TABLE [dbo].[Track]  (  [track\_id] [int] NOT NULL,  [track\_name] [nvarchar] (100) COLLATE SQL\_­Latin1\_­General\_­CP1\_­CI\_­AS NULL,  [supervisor\_id] [int] NULL  ) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Track] ADD CONSTRAINT [PK\_­Track] PRIMARY KEY CLUSTERED ([track\_id]) ON [PRIMARY]  GO  ALTER TABLE [dbo].[Track] ADD CONSTRAINT [FK\_­Track\_­Instructor] FOREIGN KEY ([supervisor\_id]) REFERENCES [dbo].[Instructor] ([ins\_id])  GO |

Uses

[[dbo].[Instructor]](#mXHVODiyg4CsqLo1bQkhlJyt5a4=)

Used By

[[dbo].[Course\_­Track]](#UZ8zshkt64px2fPoqyF7P5GnkH0=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

[[dbo].[delete\_­Instructor]](#syDSCsLSPQTrGk9Pt7quKWdLttY=)

[[dbo].[delete\_track]](#cWqTOiy56mZrHFgERIHaS/1T+fw=)

[[dbo].[insert\_course­Track]](#iZtw55Y59jaSaCv81re3TFSQfmo=)

[[dbo].[insert\_instructor­Track]](#LA09O3KRf/AyJzqodOSEHipiaRg=)

[[dbo].[insert\_student]](#zFW6TOZQ06cqiwYmsabt2AvUgPk=)

[[dbo].[insert\_track]](#wDpYO7V9nFv4sOcehMb4fPThH0M=)

[[dbo].[select\_all\_tracks]](#4j7LQvtVvW6uCF/7j+Xglg/it9I=)

[[dbo].[stud\_info]](#38k9BuhW4I780LjLvlGv8ojtzSg=)

[[dbo].[update\_course­Track]](#XoO75yOy0cXSdGyqB+UYZ8yOsjY=)

[[dbo].[update\_instructor­Track]](#frKokVhZq/05DyYnv9SJY9rP2gw=)

[[dbo].[update\_student]](#LDG1F4+sqmonlq9PXeVbMFLnNUU=)

[[dbo].[update\_track]](#pCVBdOtimTmBwH35JIVZDRltVUQ=)

|  |
| --- |
| Stored Procedures |

Objects

|  |
| --- |
| Name |
| [dbo.delete\_­Certificate](#6BYFzm77b85DbcP/GrIHJZ2SpfA=) |
| [dbo.delete\_­Choise](#bXrJwuYBTYPPhUfR6PZCuTFfrjA=) |
| [dbo.delete\_­Course](#DTpNoYuEx5fE6UKJp7WyO6hzapU=) |
| [dbo.delete\_­Course\_­Topic](#zaeKI0QrsMg2tJxqZpqH9JtSZz8=) |
| [dbo.delete\_­Course­Instructor](#OJOOvWGSLnbwkXaNe7VzMZXFZro=) |
| [dbo.delete\_course­Track](#iTPyznrpNvdxczHByo0DVkBJBvs=) |
| [dbo.delete\_­Exam](#YFULXjU89Ury29KtyjHzJtMowu0=) |
| [dbo.delete\_­Freelancing](#VozarJQoDM0rxULYrAf1Ob2gaOc=) |
| [dbo.delete\_­Freelancing­Skills](#TRLy0qDp6Y70R61a5tkyipxaYMw=) |
| [dbo.delete\_­Hiring](#zlsoscl9625mUIV90dayZULjAhQ=) |
| [dbo.delete\_­Instructor](#syDSCsLSPQTrGk9Pt7quKWdLttY=) |
| [dbo.delete\_instructor­Track](#7V4wcq7v7c6MoAa0zxE1TpLqFK4=) |
| [dbo.delete\_­Intake](#hJBirp+VPGCKx4VEDWTJJ950VM4=) |
| [dbo.delete\_question](#MXrtzx8hvWjXCuqz/c4irx8F/T8=) |
| [dbo.delete\_­Register\_­Instructor](#GspOv0R2MZxFzXDrZ7HXi1+psYw=) |
| [dbo.delete\_­Register\_­Student](#aEpEIgRj4KIX/XUU6itKtZztJUY=) |
| [dbo.delete\_registration](#39a2RxauRmavrRmSMHQ7UszwGw8=) |
| [dbo.delete\_student](#inLyhu/s0L5pM8AvE/uNTxgWKhs=) |
| [dbo.delete\_­Student\_­Exam](#0fGtKjPr8IeDBv5lk/2Pk2pZsQk=) |
| [dbo.delete\_­Student\_­Exam\_­Question](#QbfTXAW3Qa0p7Nea7QyFNENOLB0=) |
| [dbo.delete\_­Student­Certification](#DlOcK607kl8zkTBFhNoS6DzwIqM=) |
| [dbo.delete\_­Studentcourse](#HYeI194MvHYMk2q9F1E+XLly8n4=) |
| [dbo.delete\_topic](#9aQp8WLg/PnTt36j7l2AA8X7ShE=) |
| [dbo.delete\_track](#cWqTOiy56mZrHFgERIHaS/1T+fw=) |
| [dbo.exam­Answer](#x+voygTkMTIznwYCJmNHS/uPyuU=) |
| [dbo.exam­Correction](#EseMb7P5eeT3rXZ1y/FXGKAQrsc=) |
| [dbo.exam­Generation](#3kHrw1eZch8dSUDvodWPbsW2SJk=) |
| [dbo.insert\_­Certificate](#RS2lbvWev/sx49qQT/I/CcDY1P8=) |
| [dbo.insert\_­Choise](#hZviLimArVZW4lg36VdLcV/EZdQ=) |
| [dbo.insert\_­Course](#fM3aWiFcZSKcqp8uM08tNjKM8EA=) |
| [dbo.insert\_­Course­Instructor](#y4XywZGpcSiQniwyfn+Kz7Kz9Pg=) |
| [dbo.insert\_coursetopic](#xz9p/HjxhNqjpSFb+w9wuyCt0qc=) |
| [dbo.insert\_course­Track](#iZtw55Y59jaSaCv81re3TFSQfmo=) |
| [dbo.insert\_­Exam](#1lh7EGGIl1fXRdVzTYsds7OK5vM=) |
| [dbo.insert\_­Exam\_­Question](#sihyQXfzLypyd5XWgJmPBoboLAM=) |
| [dbo.insert\_­Freelancing](#pwn2dqc9G1PyD+x6N7EUtb4yzJM=) |
| [dbo.insert\_­Freelancing­Skills](#324aIxL5Sd5MT5PkhS3eK4yWl28=) |
| [dbo.insert\_­Hiring](#dIpwJKSA3QJg694zVQC0V0JR9FE=) |
| [dbo.insert\_­Instructor](#ZKgBugGtSUbOVJ8qS2PvSqGpSXA=) |
| [dbo.insert\_instructor­Track](#LA09O3KRf/AyJzqodOSEHipiaRg=) |
| [dbo.insert\_intake](#9acMOevv630lTXoRocg+/phrqY0=) |
| [dbo.insert\_question](#1AXc+ZWDeo+QVu244gwWU8MV34o=) |
| [dbo.insert\_­Register\_­Instructor](#cLOKKJHzcvswC3zKGj7n1BJ4iHs=) |
| [dbo.insert\_­Register\_­Student](#rZRZ8GY27LoXFWYLSNq2kkdeOrA=) |
| [dbo.insert\_registration](#WPJhh0KB3XKmuC3kvvWpID/FT44=) |
| [dbo.insert\_student](#zFW6TOZQ06cqiwYmsabt2AvUgPk=) |
| [dbo.insert\_­Student\_­Exam](#a9J1hg+DFyAAcMKVHGm24y82oJU=) |
| [dbo.insert\_­Student\_­Exam\_­Question](#MFDl2x95rb8q0y9XzXeNsimA4Bo=) |
| [dbo.insert\_­Student­Certification](#McocYS2ndXSJyyFgLDn9fCh9qlY=) |
| [dbo.insert\_studentcourse](#nF0bcda2t6q2YS7DE/jA2XhuC7I=) |
| [dbo.insert\_topic](#F51d40jnY6OCaj2xruS3ilC3UAw=) |
| [dbo.insert\_track](#wDpYO7V9nFv4sOcehMb4fPThH0M=) |
| [dbo.NCourse\_­Num­Stud](#EqnuWRrq08qfye6nUtfAlSIxthE=) |
| [dbo.questions](#71k3dCNnEaAffefw81EERe4hWA8=) |
| [dbo.questions\_stud­Answer](#fZlhTiWHfGviBHlMVFrk8Bjbcr8=) |
| [dbo.select\_all\_­Certificate](#AtdiW8uFUFnRTDeqR3iOCMEjZSI=) |
| [dbo.select\_all\_choise](#p3z+0l6jssPJTzoI/m4X2LodpeQ=) |
| [dbo.select\_all\_­Exam](#8274U3BbVt6A1dTw6OsI4vpYlSw=) |
| [dbo.select\_all\_­Instructor](#rO/P5TA8oLj3OHPnZiWXxX93K3M=) |
| [dbo.select\_all\_intake](#HpaN/sdtpktIjpbNtMy7rBc0QoA=) |
| [dbo.select\_all\_­Questions](#3jYxP2d3xpDWSQwUtTtj+rJUJwk=) |
| [dbo.select\_all\_­Register\_­Instructor](#hjZVU4YCun5ksSHQ6icfka1tm8c=) |
| [dbo.select\_all\_­Register\_­Student](#TZecsMmEqAOL4lnba3xrWZZCG4Y=) |
| [dbo.select\_all\_registration](#sMPp5OVPMnFD1OgUFypz/egHqx4=) |
| [dbo.select\_all\_­Student](#zuJh/eYxWkNhak9ne8ssQGw2uqk=) |
| [dbo.select\_all\_­Student\_­Exam](#WzlHUxwHgXIAPSLJaw7TdK7+7NE=) |
| [dbo.select\_all\_­Student\_­Exam\_­Question](#0sORlxkBkEJ+Q52tjZpccjHvuVk=) |
| [dbo.select\_all\_tracks](#4j7LQvtVvW6uCF/7j+Xglg/it9I=) |
| [dbo.select\_all­Freelancing­Skills](#ecAFekb+vAj6h22nBvLmBbX6cOA=) |
| [dbo.select\_­Freelancingforstudent](#bXD4trQxNu/w+SUWNYIvwAU9xjI=) |
| [dbo.select\_­Hiringforstudent](#cKfs5lZ0JWp1UDbaaMHPBG0jTDI=) |
| [dbo.select\_intake](#l4qEJm8Q0r/aKX2GipT7bCG1kvA=) |
| [dbo.select\_­Register\_­Instructor](#E02CogK0opEr4hHpuFJtDlz7y/M=) |
| [dbo.select\_­Register\_­Student](#3hH/Z3IsHA4CH96XxmBA5v2z+FU=) |
| [dbo.select\_specific\_­Certificate](#bXKqbLPMCptoZOeNuvmPD5qQYRI=) |
| [dbo.select\_specific\_choices](#C4YXmfITZxlp92KKTkOSnT/NeQs=) |
| [dbo.select\_specific\_­Exam](#mrnDGRE1iajlZS5vbfA68KnO74M=) |
| [dbo.select\_specific\_­Instructor](#yODP62rzLE7qSjn1k4ZQ/okCbF4=) |
| [dbo.select\_specific\_­Question](#RQunrTHJADars82UvGxDigvm+us=) |
| [dbo.select\_specific\_registration](#AovtuSezRSGP4hh+c/o4Zy831jo=) |
| [dbo.select\_specific\_student](#5mt8tRKKOt2ppQebmmDeyzuwgI0=) |
| [dbo.select\_specific\_­Track](#GJJwullIyKcto+4B7nzzhtwt5qQ=) |
| [dbo.select\_specific­Course](#Zm38h+cS738qUMQTWfO4psyjsJo=) |
| [dbo.select\_­Specific­Topic](#7FqoBrL2sL2jeUACUa6qs3wMocg=) |
| [dbo.select\_­Student\_­Exam](#j1cC10spayGQ8Uzx5lGO3O+4ZFc=) |
| [dbo.select\_­Student\_­Exam\_­Question](#2qbYhaLAze6C7lRzJTupMcBgz1s=) |
| [dbo.select\_­Student­Certification](#gtTWfTX+o5rENrd1CHxTxCYqMzg=) |
| [dbo.selectall\_­Course](#9Ti14aTuoL2fEyE8zBMSyIFRMgA=) |
| [dbo.selectspecific\_­Course\_­Instructor](#FtlgCPacbPKERiNfhGUADrBiPfs=) |
| [dbo.selectspecific\_­Course­Topic](#GX7sS6V9gCb/HzKE6XIPXKKzmus=) |
| [dbo.selectspecific\_course­Track](#63IoYDQ0Gkf1lNWZAI4nLk+d7Tk=) |
| [dbo.selectspecific\_instructor­Track](#Gh2ZxzyNtKS12fZGNa+7xfF4M70=) |
| [dbo.selectspecific\_­Studentcourse](#dHLQXGnPQNfNPOKhWfF016q1Sso=) |
| [dbo.stud\_grades](#HV3TqoUykQNlnT+vKGlqV0GbFu4=) |
| [dbo.stud\_info](#38k9BuhW4I780LjLvlGv8ojtzSg=) |
| [dbo.topics](#Uqmjlpj3QtsPA/7uTB64egoeL+0=) |
| [dbo.updata\_­Certificate](#kG3OQRo4+0vi2nQAmubvMDG5cQs=) |
| [dbo.update\_­Choise](#sY2g5rPIKO83Lk9PaFLAcebA8xI=) |
| [dbo.update\_­Course](#kHONZu9+aMqkhrboR55zIl6NslU=) |
| [dbo.update\_­Course\_­Topic](#sYkWFi1gjj7y9LDKFz9cTSzSmZk=) |
| [dbo.update\_­Course­Instructor](#5qt0oz0P4zo0mT+R9QWBw1OOrL0=) |
| [dbo.update\_course­Track](#XoO75yOy0cXSdGyqB+UYZ8yOsjY=) |
| [dbo.update\_­Exam](#xjyMQZtUUhogdLp7kKjBeTOpINs=) |
| [dbo.update\_­Freelancing](#wtJpJp+p0DVCDfIifycj4pKxtbg=) |
| [dbo.update\_­Freelancing­Skills](#vWcesYMw+U2dVh79Vh1TCQpQx4k=) |
| [dbo.update\_­Hiring](#kWGdGLHg0ohhL8kBH1LD34u8o6E=) |
| [dbo.update\_­Instructor](#51bb8PjWN1cMPX3xVM/M/beJr/I=) |
| [dbo.update\_instructor­Track](#frKokVhZq/05DyYnv9SJY9rP2gw=) |
| [dbo.update\_intake](#E2EJG0e8hugj4qdwZ4Lm6lGLPjs=) |
| [dbo.update\_question](#v13B7p5Z+x5ft2ZDuWAJGABVKTU=) |
| [dbo.update\_­Register\_­Instructor](#VfisHbJe9oHf1vaNmIFKZRxZRfc=) |
| [dbo.update\_­Register\_­Student](#0FmCY2/vAi5VdH5TZSA67UFmmwQ=) |
| [dbo.update\_registration](#+ZJU9KjdkTaBO7AHpXvPT9jKkHA=) |
| [dbo.update\_student](#LDG1F4+sqmonlq9PXeVbMFLnNUU=) |
| [dbo.update\_­Student\_­Exam](#U1LwPjYxebQCAv7hBD8vEeyyrU4=) |
| [dbo.update\_­Student\_­Exam\_­Question](#FB0jLZTuANpOW+zuvwpAsKbH8d0=) |
| [dbo.update\_­Student­Certification](#/8BSd33xMq18w8VSlCWtxgRY69k=) |
| [dbo.update\_­Studentcourse](#F/hG8TJfzM3AB9R3xaaQ8D0L5O0=) |
| [dbo.update\_topic](#+8bHT8MjWJU/RThzPk/EZdW+7CY=) |
| [dbo.update\_track](#pCVBdOtimTmBwH35JIVZDRltVUQ=) |

|  |
| --- |
| [dbo].[delete\_­Certificate] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @cert\_id | int | 4 |

Uses

[[dbo].[Certification]](#6ws3CYTDGE94YPM6/0yuAS48ocY=)

|  |
| --- |
| [dbo].[delete\_­Choise] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @choise\_id | int | 4 |

Uses

[[dbo].[Choise]](#5nqCldOT09M+v0A2CZsN542HqyE=)

|  |
| --- |
| [dbo].[delete\_­Course] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @cr\_id | int | 4 |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

[[dbo].[Course\_­Instructor]](#XsR7sVPvhCdco7ck89XT3s/SOE4=)

[[dbo].[Course\_­Topic]](#P/xye3+IbucSN/nXU9cl7Rxqx3I=)

[[dbo].[Course\_­Track]](#UZ8zshkt64px2fPoqyF7P5GnkH0=)

[[dbo].[Question]](#gcV04vimp50KHuEv07rUy74UZSo=)

[[dbo].[Student\_­Course]](#VcvDAxapeAbrz1qTgXB7TWsByTI=)

|  |
| --- |
| [dbo].[delete\_­Course\_­Topic] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @cr\_id | int | 4 |
| @topic\_id | int | 4 |

Uses

[[dbo].[Course\_­Topic]](#P/xye3+IbucSN/nXU9cl7Rxqx3I=)

|  |
| --- |
| [dbo].[delete\_­Course­Instructor] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @cr\_id | int | 4 |
| @ins\_id | int | 4 |

Uses

[[dbo].[Course\_­Instructor]](#XsR7sVPvhCdco7ck89XT3s/SOE4=)

|  |
| --- |
| [dbo].[delete\_course­Track] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @track\_id | int | 4 |
| @cr\_id | int | 4 |

Uses

[[dbo].[Course\_­Track]](#UZ8zshkt64px2fPoqyF7P5GnkH0=)

|  |
| --- |
| [dbo].[delete\_­Exam] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @exam\_id | int | 4 |

Uses

[[dbo].[Exam]](#0E5+a295uLd2BoE9OfJesNttNOY=)

[[dbo].[Student\_­Exam]](#qy4Erxf9napUjf8X6ZBGGyBdlrM=)

[[dbo].[Student\_­Exam\_­Question]](#5WDPTYucsH4kYleV5ROzCDhtt9k=)

|  |
| --- |
| [dbo].[delete\_­Freelancing] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @fl\_id | int | 4 |

Uses

[[dbo].[Freelancing]](#a9CJVL+HSzpl2CaukfvG2phZlO8=)

|  |
| --- |
| [dbo].[delete\_­Freelancing­Skills] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @fl\_id | int | 4 |
| @tool | nvarchar(50) | 100 |

Uses

[[dbo].[Freelancing\_­Skills]](#kBVI4Zy01M2T/HE40osnyBBbX1I=)

|  |
| --- |
| [dbo].[delete\_­Hiring] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @hiring\_id | int | 4 |

Uses

[[dbo].[Hiring]](#dOVyayilBLJ8A9S+d8O7yTSKOFo=)

|  |
| --- |
| [dbo].[delete\_­Instructor] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @ins\_id | int | 4 |

Uses

[[dbo].[Course\_­Instructor]](#XsR7sVPvhCdco7ck89XT3s/SOE4=)

[[dbo].[Instructor]](#mXHVODiyg4CsqLo1bQkhlJyt5a4=)

[[dbo].[Register\_­Instructor]](#M1nlvTJKY8DOvA5nAp0p//8pMYs=)

[[dbo].[Track]](#UFN+9hX2s6pZbubueOHmkgBybP8=)

|  |
| --- |
| [dbo].[delete\_instructor­Track] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @ins\_id | int | 4 |
| @track\_id | int | 4 |

|  |
| --- |
| [dbo].[delete\_­Intake] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @int\_id | int | 4 |

Uses

[[dbo].[Intake]](#3j2HT+8elbRyHBUzscdysrXEhJo=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

|  |
| --- |
| [dbo].[delete\_question] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @quest\_id | int | 4 |

Uses

[[dbo].[Choise]](#5nqCldOT09M+v0A2CZsN542HqyE=)

[[dbo].[Question]](#gcV04vimp50KHuEv07rUy74UZSo=)

[[dbo].[Student\_­Exam\_­Question]](#5WDPTYucsH4kYleV5ROzCDhtt9k=)

|  |
| --- |
| [dbo].[delete\_­Register\_­Instructor] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @ins\_id | int | 4 |
| @register\_id | int | 4 |

Uses

[[dbo].[Register\_­Instructor]](#M1nlvTJKY8DOvA5nAp0p//8pMYs=)

|  |
| --- |
| [dbo].[delete\_­Register\_­Student] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @st\_id | int | 4 |
| @register\_id | int | 4 |

Uses

[[dbo].[Register\_­Student]](#E2O6AMM3bt01zaKCvl0pidDIsvg=)

|  |
| --- |
| [dbo].[delete\_registration] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @register\_id | int | 4 |

Uses

[[dbo].[Register\_­Instructor]](#M1nlvTJKY8DOvA5nAp0p//8pMYs=)

[[dbo].[Register\_­Student]](#E2O6AMM3bt01zaKCvl0pidDIsvg=)

[[dbo].[Registeration]](#xyfh4wsLP7AF+sh1o1Z/Za8A7pM=)

|  |
| --- |
| [dbo].[delete\_student] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @st\_id | int | 4 |

Uses

[[dbo].[Freelancing]](#a9CJVL+HSzpl2CaukfvG2phZlO8=)

[[dbo].[Hiring]](#dOVyayilBLJ8A9S+d8O7yTSKOFo=)

[[dbo].[Register\_­Student]](#E2O6AMM3bt01zaKCvl0pidDIsvg=)

[[dbo].[Social\_­Media]](#KNyVcR4CZGstU/VXu16zZ7o4+l0=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

[[dbo].[Student\_­Certification]](#g3OVFaYzbN3JUd1aqt1oUpaIUYY=)

[[dbo].[Student\_­Course]](#VcvDAxapeAbrz1qTgXB7TWsByTI=)

[[dbo].[Student\_­Exam]](#qy4Erxf9napUjf8X6ZBGGyBdlrM=)

[[dbo].[Student\_­Exam\_­Question]](#5WDPTYucsH4kYleV5ROzCDhtt9k=)

|  |
| --- |
| [dbo].[delete\_­Student\_­Exam] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @st\_id | int | 4 |
| @exam\_id | int | 4 |

Uses

[[dbo].[Student\_­Exam]](#qy4Erxf9napUjf8X6ZBGGyBdlrM=)

|  |
| --- |
| [dbo].[delete\_­Student\_­Exam\_­Question] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @st\_id | int | 4 |
| @exam\_id | int | 4 |
| @quest\_id | int | 4 |

Uses

[[dbo].[Student\_­Exam\_­Question]](#5WDPTYucsH4kYleV5ROzCDhtt9k=)

|  |
| --- |
| [dbo].[delete\_­Student­Certification] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @st\_id | int | 4 |
| @cert\_id | int | 4 |

Uses

[[dbo].[Certification]](#6ws3CYTDGE94YPM6/0yuAS48ocY=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

[[dbo].[Student\_­Certification]](#g3OVFaYzbN3JUd1aqt1oUpaIUYY=)

|  |
| --- |
| [dbo].[delete\_­Studentcourse] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @st\_id | int | 4 |
| @cr\_id | int | 4 |

Uses

[[dbo].[Student\_­Course]](#VcvDAxapeAbrz1qTgXB7TWsByTI=)

|  |
| --- |
| [dbo].[delete\_topic] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @topic\_id | int | 4 |

Uses

[[dbo].[Topic]](#xn6Ew1p60cTVblDr6xVgmQqlGjI=)

|  |
| --- |
| [dbo].[delete\_track] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @track\_id | int | 4 |

Uses

[[dbo].[Course\_­Track]](#UZ8zshkt64px2fPoqyF7P5GnkH0=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

[[dbo].[Track]](#UFN+9hX2s6pZbubueOHmkgBybP8=)

|  |
| --- |
| [dbo].[exam­Answer] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @student\_­Id | int | 4 |
| @exam\_­Id | int | 4 |
| @question\_­ID | int | 4 |
| @Student\_­Answer | varchar(max) | max |

Uses

[[dbo].[Student\_­Exam\_­Question]](#5WDPTYucsH4kYleV5ROzCDhtt9k=)

|  |
| --- |
| [dbo].[exam­Correction] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @exam­ID | int | 4 |
| @student­ID | int | 4 |

Uses

[[dbo].[Exam]](#0E5+a295uLd2BoE9OfJesNttNOY=)

[[dbo].[Question]](#gcV04vimp50KHuEv07rUy74UZSo=)

[[dbo].[Student\_­Course]](#VcvDAxapeAbrz1qTgXB7TWsByTI=)

[[dbo].[Student\_­Exam]](#qy4Erxf9napUjf8X6ZBGGyBdlrM=)

[[dbo].[Student\_­Exam\_­Question]](#5WDPTYucsH4kYleV5ROzCDhtt9k=)

|  |
| --- |
| [dbo].[exam­Generation] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @exam\_title | nvarchar(300) | 600 |
| @exam\_fullmark | int | 4 |
| @cr\_id | int | 4 |
| @exam\_startdate | datetime | 8 |
| @exam\_enddate | datetime | 8 |
| @questions\_numbers | int | 4 |
| @tf­Num | int | 4 |
| @mcq­Num | int | 4 |

Uses

[[dbo].[Exam]](#0E5+a295uLd2BoE9OfJesNttNOY=)

[[dbo].[Exam\_­Question]](#sZfnkxGexsrOAkN+FsZKlurSUcU=)

[[dbo].[Question]](#gcV04vimp50KHuEv07rUy74UZSo=)

|  |
| --- |
| [dbo].[insert\_­Certificate] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @cert\_id | int | 4 |
| @cert\_title | nvarchar(100) | 200 |
| @cert\_website | varchar(50) | 50 |
| @cert\_startdate | date | 3 |
| @cert\_enddate | date | 3 |
| @cert\_hours | int | 4 |

Uses

[[dbo].[Certification]](#6ws3CYTDGE94YPM6/0yuAS48ocY=)

|  |
| --- |
| [dbo].[insert\_­Choise] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @choise\_id | int | 4 |
| @choise\_text | varchar(30) | 30 |
| @quest\_id | int | 4 |

Uses

[[dbo].[Choise]](#5nqCldOT09M+v0A2CZsN542HqyE=)

[[dbo].[Question]](#gcV04vimp50KHuEv07rUy74UZSo=)

|  |
| --- |
| [dbo].[insert\_­Course] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @cr\_id | int | 4 |
| @cr\_name | nvarchar(100) | 200 |
| @cr\_hours\_duration | int | 4 |
| @cr\_days\_duration | int | 4 |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

|  |
| --- |
| [dbo].[insert\_­Course­Instructor] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @cr\_id | int | 4 |
| @ins\_id | int | 4 |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

[[dbo].[Course\_­Instructor]](#XsR7sVPvhCdco7ck89XT3s/SOE4=)

[[dbo].[Instructor]](#mXHVODiyg4CsqLo1bQkhlJyt5a4=)

|  |
| --- |
| [dbo].[insert\_coursetopic] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @cr\_id | int | 4 |
| @topic\_id | int | 4 |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

[[dbo].[Course\_­Topic]](#P/xye3+IbucSN/nXU9cl7Rxqx3I=)

[[dbo].[Topic]](#xn6Ew1p60cTVblDr6xVgmQqlGjI=)

|  |
| --- |
| [dbo].[insert\_course­Track] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @cr\_id | int | 4 |
| @track\_id | int | 4 |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

[[dbo].[Course\_­Track]](#UZ8zshkt64px2fPoqyF7P5GnkH0=)

[[dbo].[Track]](#UFN+9hX2s6pZbubueOHmkgBybP8=)

|  |
| --- |
| [dbo].[insert\_­Exam] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @exam\_id | int | 4 |
| @exam\_title | nvarchar(50) | 100 |
| @exam\_startdate | date | 3 |
| @exam\_enddate | date | 3 |
| @exam\_fullmark | int | 4 |
| @cr\_id | int | 4 |
| @questions\_numbers | int | 4 |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

[[dbo].[Exam]](#0E5+a295uLd2BoE9OfJesNttNOY=)

|  |
| --- |
| [dbo].[insert\_­Exam\_­Question] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @exam\_id | int | 4 |
| @quest\_id | int | 4 |

Uses

[[dbo].[Exam]](#0E5+a295uLd2BoE9OfJesNttNOY=)

[[dbo].[Exam\_­Question]](#sZfnkxGexsrOAkN+FsZKlurSUcU=)

[[dbo].[Question]](#gcV04vimp50KHuEv07rUy74UZSo=)

|  |
| --- |
| [dbo].[insert\_­Freelancing] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @fl\_id | int | 4 |
| @job\_name | nvarchar(50) | 100 |
| @fl\_website | nvarchar(50) | 100 |
| @fl\_date | date | 3 |
| @st\_id | int | 4 |

Uses

[[dbo].[Freelancing]](#a9CJVL+HSzpl2CaukfvG2phZlO8=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

|  |
| --- |
| [dbo].[insert\_­Freelancing­Skills] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @fl\_id | int | 4 |
| @tool | nvarchar(50) | 100 |

Uses

[[dbo].[Freelancing]](#a9CJVL+HSzpl2CaukfvG2phZlO8=)

|  |
| --- |
| [dbo].[insert\_­Hiring] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @hiring\_id | int | 4 |
| @position | nvarchar(100) | 200 |
| @job\_type | nvarchar(20) | 40 |
| @job\_location | nvarchar(20) | 40 |
| @hiring\_date | date | 3 |
| @company | nvarchar(50) | 100 |
| @st\_id | int | 4 |

Uses

[[dbo].[Hiring]](#dOVyayilBLJ8A9S+d8O7yTSKOFo=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

|  |
| --- |
| [dbo].[insert\_­Instructor] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @ins\_id | int | 4 |
| @ins\_ssn | nvarchar(50) | 100 |
| @ins\_fname | nvarchar(50) | 100 |
| @ins\_lname | nvarchar(50) | 100 |
| @ins\_gender | nvarchar(10) | 20 |
| @ins\_birthdate | date | 3 |
| @ins\_salary | float | 8 |
| @ins\_city | nvarchar(50) | 100 |

Uses

[[dbo].[Instructor]](#mXHVODiyg4CsqLo1bQkhlJyt5a4=)

|  |
| --- |
| [dbo].[insert\_instructor­Track] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @ins\_id | int | 4 |
| @track\_id | int | 4 |

Uses

[[dbo].[Instructor]](#mXHVODiyg4CsqLo1bQkhlJyt5a4=)

[[dbo].[Track]](#UFN+9hX2s6pZbubueOHmkgBybP8=)

|  |
| --- |
| [dbo].[insert\_intake] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @int\_id | int | 4 |
| @int\_startdate | date | 3 |
| @int\_enddate | date | 3 |
| @expected\_startdate | date | 3 |
| @expected\_enddate | date | 3 |

Uses

[[dbo].[Intake]](#3j2HT+8elbRyHBUzscdysrXEhJo=)

|  |
| --- |
| [dbo].[insert\_question] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @quest\_id | int | 4 |
| @quest\_type | nvarchar(20) | 40 |
| @quest\_text | nchar(500) | 1000 |
| @quest\_answer | nchar(500) | 1000 |
| @cr\_id | int | 4 |
| @quest\_level | nchar | 1 |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

[[dbo].[Question]](#gcV04vimp50KHuEv07rUy74UZSo=)

|  |
| --- |
| [dbo].[insert\_­Register\_­Instructor] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @ins\_id | int | 4 |
| @register\_id | int | 4 |
| @ins\_register\_insertion\_date | date | 3 |

Uses

[[dbo].[Instructor]](#mXHVODiyg4CsqLo1bQkhlJyt5a4=)

[[dbo].[Register\_­Instructor]](#M1nlvTJKY8DOvA5nAp0p//8pMYs=)

[[dbo].[Registeration]](#xyfh4wsLP7AF+sh1o1Z/Za8A7pM=)

|  |
| --- |
| [dbo].[insert\_­Register\_­Student] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @st\_id | int | 4 |
| @register\_id | int | 4 |
| @st\_register\_insertion\_date | date | 3 |

Uses

[[dbo].[Register\_­Instructor]](#M1nlvTJKY8DOvA5nAp0p//8pMYs=)

[[dbo].[Register\_­Student]](#E2O6AMM3bt01zaKCvl0pidDIsvg=)

[[dbo].[Registeration]](#xyfh4wsLP7AF+sh1o1Z/Za8A7pM=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

|  |
| --- |
| [dbo].[insert\_registration] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @register\_id | int | 4 |
| @email | nvarchar(50) | 100 |
| @username | nvarchar(50) | 100 |
| @password | nvarchar(50) | 100 |
| @usertype | nvarchar(20) | 40 |

Uses

[[dbo].[Registeration]](#xyfh4wsLP7AF+sh1o1Z/Za8A7pM=)

|  |
| --- |
| [dbo].[insert\_student] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @st\_id | int | 4 |
| @st\_ssn | nvarchar(50) | 100 |
| @st\_birthdate | date | 3 |
| @st\_city | nvarchar(50) | 100 |
| @st\_fname | nvarchar(50) | 100 |
| @st\_lname | nvarchar(50) | 100 |
| @st\_gender | nvarchar(10) | 20 |
| @track\_id | int | 4 |
| @int\_id | int | 4 |

Uses

[[dbo].[Intake]](#3j2HT+8elbRyHBUzscdysrXEhJo=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

[[dbo].[Track]](#UFN+9hX2s6pZbubueOHmkgBybP8=)

|  |
| --- |
| [dbo].[insert\_­Student\_­Exam] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @st\_id | int | 4 |
| @exam\_id | int | 4 |
| @solved\_questions | int | 4 |
| @st\_ex\_starttime | datetime | 8 |
| @st\_ex\_endtime | datetime | 8 |

Uses

[[dbo].[Exam]](#0E5+a295uLd2BoE9OfJesNttNOY=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

[[dbo].[Student\_­Exam]](#qy4Erxf9napUjf8X6ZBGGyBdlrM=)

|  |
| --- |
| [dbo].[insert\_­Student\_­Exam\_­Question] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @ex\_id | int | 4 |
| @st\_id | int | 4 |
| @quest\_id | int | 4 |
| @st\_answer | nvarchar(max) | max |
| @quest\_grade | int | 4 |

Uses

[[dbo].[Exam]](#0E5+a295uLd2BoE9OfJesNttNOY=)

[[dbo].[Question]](#gcV04vimp50KHuEv07rUy74UZSo=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

[[dbo].[Student\_­Exam\_­Question]](#5WDPTYucsH4kYleV5ROzCDhtt9k=)

|  |
| --- |
| [dbo].[insert\_­Student­Certification] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @st\_id | int | 4 |
| @cert\_id | int | 4 |

Uses

[[dbo].[Certification]](#6ws3CYTDGE94YPM6/0yuAS48ocY=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

[[dbo].[Student\_­Certification]](#g3OVFaYzbN3JUd1aqt1oUpaIUYY=)

|  |
| --- |
| [dbo].[insert\_studentcourse] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @cr\_id | int | 4 |
| @st\_id | int | 4 |
| @grade | int | 4 |
| @cr\_rate | int | 4 |
| @ins\_rate | int | 4 |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

[[dbo].[Student\_­Course]](#VcvDAxapeAbrz1qTgXB7TWsByTI=)

|  |
| --- |
| [dbo].[insert\_topic] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @topic\_id | int | 4 |
| @topic\_name | nvarchar(50) | 100 |

Uses

[[dbo].[Topic]](#xn6Ew1p60cTVblDr6xVgmQqlGjI=)

|  |
| --- |
| [dbo].[insert\_track] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @track\_id | int | 4 |
| @track\_name | nvarchar(100) | 200 |
| @supervisor\_id | int | 4 |

Uses

[[dbo].[Instructor]](#mXHVODiyg4CsqLo1bQkhlJyt5a4=)

[[dbo].[Track]](#UFN+9hX2s6pZbubueOHmkgBybP8=)

|  |
| --- |
| [dbo].[NCourse\_­Num­Stud] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @ins\_id | int | 4 |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

[[dbo].[Course\_­Instructor]](#XsR7sVPvhCdco7ck89XT3s/SOE4=)

[[dbo].[Student\_­Course]](#VcvDAxapeAbrz1qTgXB7TWsByTI=)

|  |
| --- |
| [dbo].[questions] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @ex\_id | int | 4 |

Uses

[[dbo].[Choise]](#5nqCldOT09M+v0A2CZsN542HqyE=)

[[dbo].[Exam\_­Question]](#sZfnkxGexsrOAkN+FsZKlurSUcU=)

[[dbo].[Question]](#gcV04vimp50KHuEv07rUy74UZSo=)

|  |
| --- |
| [dbo].[questions\_stud­Answer] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @ex\_id | int | 4 |
| @st\_id | int | 4 |

Uses

[[dbo].[Question]](#gcV04vimp50KHuEv07rUy74UZSo=)

[[dbo].[Student\_­Exam\_­Question]](#5WDPTYucsH4kYleV5ROzCDhtt9k=)

|  |
| --- |
| [dbo].[select\_all\_­Certificate] |

Uses

[[dbo].[Certification]](#6ws3CYTDGE94YPM6/0yuAS48ocY=)

|  |
| --- |
| [dbo].[select\_all\_choise] |

Uses

[[dbo].[Choise]](#5nqCldOT09M+v0A2CZsN542HqyE=)

|  |
| --- |
| [dbo].[select\_all\_­Exam] |

Uses

[[dbo].[Exam]](#0E5+a295uLd2BoE9OfJesNttNOY=)

|  |
| --- |
| [dbo].[select\_all\_­Instructor] |

Uses

[[dbo].[Instructor]](#mXHVODiyg4CsqLo1bQkhlJyt5a4=)

|  |
| --- |
| [dbo].[select\_all\_intake] |

Uses

[[dbo].[Intake]](#3j2HT+8elbRyHBUzscdysrXEhJo=)

|  |
| --- |
| [dbo].[select\_all\_­Questions] |

Uses

[[dbo].[Question]](#gcV04vimp50KHuEv07rUy74UZSo=)

|  |
| --- |
| [dbo].[select\_all\_­Register\_­Instructor] |

Uses

[[dbo].[Register\_­Instructor]](#M1nlvTJKY8DOvA5nAp0p//8pMYs=)

|  |
| --- |
| [dbo].[select\_all\_­Register\_­Student] |

Uses

[[dbo].[Register\_­Instructor]](#M1nlvTJKY8DOvA5nAp0p//8pMYs=)

|  |
| --- |
| [dbo].[select\_all\_registration] |

Uses

[[dbo].[Registeration]](#xyfh4wsLP7AF+sh1o1Z/Za8A7pM=)

|  |
| --- |
| [dbo].[select\_all\_­Student] |

Uses

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

|  |
| --- |
| [dbo].[select\_all\_­Student\_­Exam] |

Uses

[[dbo].[Student\_­Exam]](#qy4Erxf9napUjf8X6ZBGGyBdlrM=)

|  |
| --- |
| [dbo].[select\_all\_­Student\_­Exam\_­Question] |

Uses

[[dbo].[Student\_­Exam\_­Question]](#5WDPTYucsH4kYleV5ROzCDhtt9k=)

|  |
| --- |
| [dbo].[select\_all\_tracks] |

Uses

[[dbo].[Track]](#UFN+9hX2s6pZbubueOHmkgBybP8=)

|  |
| --- |
| [dbo].[select\_all­Freelancing­Skills] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @fl\_id | int | 4 |

Uses

[[dbo].[Freelancing\_­Skills]](#kBVI4Zy01M2T/HE40osnyBBbX1I=)

|  |
| --- |
| [dbo].[select\_­Freelancingforstudent] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @st\_id | int | 4 |

Uses

[[dbo].[Freelancing]](#a9CJVL+HSzpl2CaukfvG2phZlO8=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

|  |
| --- |
| [dbo].[select\_­Hiringforstudent] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @st\_id | int | 4 |

Uses

[[dbo].[Hiring]](#dOVyayilBLJ8A9S+d8O7yTSKOFo=)

|  |
| --- |
| [dbo].[select\_intake] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @int\_id | int | 4 |

Uses

[[dbo].[Intake]](#3j2HT+8elbRyHBUzscdysrXEhJo=)

|  |
| --- |
| [dbo].[select\_­Register\_­Instructor] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @register\_id | int | 4 |
| @ins\_id | int | 4 |

Uses

[[dbo].[Register\_­Instructor]](#M1nlvTJKY8DOvA5nAp0p//8pMYs=)

|  |
| --- |
| [dbo].[select\_­Register\_­Student] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @register\_id | int | 4 |
| @st\_id | int | 4 |

Uses

[[dbo].[Register\_­Student]](#E2O6AMM3bt01zaKCvl0pidDIsvg=)

|  |
| --- |
| [dbo].[select\_specific\_­Certificate] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @cert\_id | int | 4 |

Uses

[[dbo].[Certification]](#6ws3CYTDGE94YPM6/0yuAS48ocY=)

|  |
| --- |
| [dbo].[select\_specific\_choices] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @choise\_id | int | 4 |

Uses

[[dbo].[Choise]](#5nqCldOT09M+v0A2CZsN542HqyE=)

|  |
| --- |
| [dbo].[select\_specific\_­Exam] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @exam\_id | int | 4 |

Uses

[[dbo].[Exam]](#0E5+a295uLd2BoE9OfJesNttNOY=)

|  |
| --- |
| [dbo].[select\_specific\_­Instructor] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @ins\_id | int | 4 |

Uses

[[dbo].[Instructor]](#mXHVODiyg4CsqLo1bQkhlJyt5a4=)

|  |
| --- |
| [dbo].[select\_specific\_­Question] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @quest\_id | int | 4 |

Uses

[[dbo].[Question]](#gcV04vimp50KHuEv07rUy74UZSo=)

|  |
| --- |
| [dbo].[select\_specific\_registration] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @register\_id | int | 4 |

Uses

[[dbo].[Registeration]](#xyfh4wsLP7AF+sh1o1Z/Za8A7pM=)

|  |
| --- |
| [dbo].[select\_specific\_student] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @st\_id | int | 4 |

Uses

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

|  |
| --- |
| [dbo].[select\_specific\_­Track] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @track\_id | int | 4 |

Uses

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

|  |
| --- |
| [dbo].[select\_specific­Course] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @cr\_id | int | 4 |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

|  |
| --- |
| [dbo].[select\_­Specific­Topic] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @topic\_id | int | 4 |

Uses

[[dbo].[Topic]](#xn6Ew1p60cTVblDr6xVgmQqlGjI=)

|  |
| --- |
| [dbo].[select\_­Student\_­Exam] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @st\_id | int | 4 |
| @exam\_id | int | 4 |

Uses

[[dbo].[Student\_­Exam]](#qy4Erxf9napUjf8X6ZBGGyBdlrM=)

|  |
| --- |
| [dbo].[select\_­Student\_­Exam\_­Question] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @st\_id | int | 4 |
| @exam\_id | int | 4 |
| @quest\_id | int | 4 |

Uses

[[dbo].[Student\_­Exam\_­Question]](#5WDPTYucsH4kYleV5ROzCDhtt9k=)

|  |
| --- |
| [dbo].[select\_­Student­Certification] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @st\_id | int | 4 |
| @cert\_id | int | 4 |

Uses

[[dbo].[Student\_­Certification]](#g3OVFaYzbN3JUd1aqt1oUpaIUYY=)

|  |
| --- |
| [dbo].[selectall\_­Course] |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

|  |
| --- |
| [dbo].[selectspecific\_­Course\_­Instructor] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @cr\_id | int | 4 |
| @ins\_id | int | 4 |

Uses

[[dbo].[Course\_­Instructor]](#XsR7sVPvhCdco7ck89XT3s/SOE4=)

|  |
| --- |
| [dbo].[selectspecific\_­Course­Topic] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @cr\_id | int | 4 |
| @topic\_id | int | 4 |

Uses

[[dbo].[Course\_­Topic]](#P/xye3+IbucSN/nXU9cl7Rxqx3I=)

|  |
| --- |
| [dbo].[selectspecific\_course­Track] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @track\_id | int | 4 |
| @cr\_id | int | 4 |

Uses

[[dbo].[Course\_­Track]](#UZ8zshkt64px2fPoqyF7P5GnkH0=)

|  |
| --- |
| [dbo].[selectspecific\_instructor­Track] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @ins\_id | int | 4 |
| @track\_id | int | 4 |

|  |
| --- |
| [dbo].[selectspecific\_­Studentcourse] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @st\_id | int | 4 |
| @cr\_id | int | 4 |

Uses

[[dbo].[Student\_­Course]](#VcvDAxapeAbrz1qTgXB7TWsByTI=)

|  |
| --- |
| [dbo].[stud\_grades] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @stud\_id | int | 4 |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

[[dbo].[Student\_­Course]](#VcvDAxapeAbrz1qTgXB7TWsByTI=)

|  |
| --- |
| [dbo].[stud\_info] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @track\_id | int | 4 |

Uses

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

[[dbo].[Track]](#UFN+9hX2s6pZbubueOHmkgBybP8=)

|  |
| --- |
| [dbo].[topics] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @cr\_id | int | 4 |

Uses

[[dbo].[Course\_­Topic]](#P/xye3+IbucSN/nXU9cl7Rxqx3I=)

[[dbo].[Topic]](#xn6Ew1p60cTVblDr6xVgmQqlGjI=)

|  |
| --- |
| [dbo].[updata\_­Certificate] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @cert\_id | int | 4 |
| @cert\_title | nvarchar(100) | 200 |
| @cert\_website | nvarchar(50) | 100 |
| @cert\_startdate | date | 3 |
| @cert\_enddate | date | 3 |
| @cert\_hours | int | 4 |

Uses

[[dbo].[Certification]](#6ws3CYTDGE94YPM6/0yuAS48ocY=)

|  |
| --- |
| [dbo].[update\_­Choise] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @choise\_id | int | 4 |
| @choise\_text | varchar(30) | 30 |
| @quest\_id | int | 4 |

Uses

[[dbo].[Choise]](#5nqCldOT09M+v0A2CZsN542HqyE=)

[[dbo].[Question]](#gcV04vimp50KHuEv07rUy74UZSo=)

|  |
| --- |
| [dbo].[update\_­Course] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @cr\_id | int | 4 |
| @cr\_name | nvarchar(100) | 200 |
| @cr\_hours\_duration | int | 4 |
| @cr\_days\_duration | int | 4 |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

|  |
| --- |
| [dbo].[update\_­Course\_­Topic] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @cr\_id | int | 4 |
| @topic\_id | int | 4 |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

[[dbo].[Course\_­Topic]](#P/xye3+IbucSN/nXU9cl7Rxqx3I=)

[[dbo].[Topic]](#xn6Ew1p60cTVblDr6xVgmQqlGjI=)

|  |
| --- |
| [dbo].[update\_­Course­Instructor] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @cr\_id | int | 4 |
| @ins\_id | int | 4 |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

[[dbo].[Course\_­Instructor]](#XsR7sVPvhCdco7ck89XT3s/SOE4=)

[[dbo].[Instructor]](#mXHVODiyg4CsqLo1bQkhlJyt5a4=)

|  |
| --- |
| [dbo].[update\_course­Track] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @cr\_id | int | 4 |
| @track\_id | int | 4 |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

[[dbo].[Course\_­Track]](#UZ8zshkt64px2fPoqyF7P5GnkH0=)

[[dbo].[Track]](#UFN+9hX2s6pZbubueOHmkgBybP8=)

|  |
| --- |
| [dbo].[update\_­Exam] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @exam\_id | int | 4 |
| @exam\_title | nvarchar(50) | 100 |
| @exam\_startdate | date | 3 |
| @exam\_enddate | date | 3 |
| @exam\_fullmark | int | 4 |
| @cr\_id | int | 4 |
| @questions\_numbers | int | 4 |

Uses

[[dbo].[Exam]](#0E5+a295uLd2BoE9OfJesNttNOY=)

|  |
| --- |
| [dbo].[update\_­Freelancing] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @fl\_id | int | 4 |
| @job\_name | nvarchar(50) | 100 |
| @fl\_website | nvarchar(50) | 100 |
| @fl\_date | date | 3 |
| @st\_id | int | 4 |

Uses

[[dbo].[Freelancing]](#a9CJVL+HSzpl2CaukfvG2phZlO8=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

|  |
| --- |
| [dbo].[update\_­Freelancing­Skills] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @fl\_id | int | 4 |
| @tool | nvarchar(50) | 100 |

Uses

[[dbo].[Freelancing]](#a9CJVL+HSzpl2CaukfvG2phZlO8=)

[[dbo].[Freelancing\_­Skills]](#kBVI4Zy01M2T/HE40osnyBBbX1I=)

|  |
| --- |
| [dbo].[update\_­Hiring] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @hiring\_id | int | 4 |
| @position | nvarchar(100) | 200 |
| @job\_type | nvarchar(20) | 40 |
| @job\_location | nvarchar(20) | 40 |
| @hiring\_date | date | 3 |
| @company | nvarchar(50) | 100 |
| @st\_id | int | 4 |

Uses

[[dbo].[Hiring]](#dOVyayilBLJ8A9S+d8O7yTSKOFo=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

|  |
| --- |
| [dbo].[update\_­Instructor] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @ins\_id | int | 4 |
| @ins\_ssn | nvarchar(50) | 100 |
| @ins\_fname | nvarchar(50) | 100 |
| @ins\_lname | nvarchar(50) | 100 |
| @ins\_gender | nvarchar(10) | 20 |
| @ins\_birthdate | date | 3 |
| @ins\_salary | float | 8 |
| @ins\_city | nvarchar(50) | 100 |

Uses

[[dbo].[Instructor]](#mXHVODiyg4CsqLo1bQkhlJyt5a4=)

|  |
| --- |
| [dbo].[update\_instructor­Track] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @ins\_id | int | 4 |
| @track\_id | int | 4 |

Uses

[[dbo].[Instructor]](#mXHVODiyg4CsqLo1bQkhlJyt5a4=)

[[dbo].[Track]](#UFN+9hX2s6pZbubueOHmkgBybP8=)

|  |
| --- |
| [dbo].[update\_intake] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @int\_id | int | 4 |
| @int\_startdate | date | 3 |
| @int\_enddate | date | 3 |
| @expected\_startdate | date | 3 |
| @expected\_enddate | date | 3 |

Uses

[[dbo].[Intake]](#3j2HT+8elbRyHBUzscdysrXEhJo=)

|  |
| --- |
| [dbo].[update\_question] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @quest\_id | int | 4 |
| @quest\_type | nvarchar(20) | 40 |
| @quest\_text | nchar(500) | 1000 |
| @quest\_answer | nchar(500) | 1000 |
| @cr\_id | int | 4 |
| @quest\_level | nchar | 1 |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

[[dbo].[Question]](#gcV04vimp50KHuEv07rUy74UZSo=)

|  |
| --- |
| [dbo].[update\_­Register\_­Instructor] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @ins\_id | int | 4 |
| @register\_id | int | 4 |
| @ins\_register\_insertion\_date | date | 3 |

Uses

[[dbo].[Instructor]](#mXHVODiyg4CsqLo1bQkhlJyt5a4=)

[[dbo].[Register\_­Instructor]](#M1nlvTJKY8DOvA5nAp0p//8pMYs=)

[[dbo].[Registeration]](#xyfh4wsLP7AF+sh1o1Z/Za8A7pM=)

|  |
| --- |
| [dbo].[update\_­Register\_­Student] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @st\_id | int | 4 |
| @register\_id | int | 4 |
| @st\_register\_insertion\_date | date | 3 |

Uses

[[dbo].[Register\_­Student]](#E2O6AMM3bt01zaKCvl0pidDIsvg=)

[[dbo].[Registeration]](#xyfh4wsLP7AF+sh1o1Z/Za8A7pM=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

|  |
| --- |
| [dbo].[update\_registration] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @register\_id | int | 4 |
| @email | nvarchar(50) | 100 |
| @username | nvarchar(50) | 100 |
| @password | nvarchar(50) | 100 |
| @usertype | nvarchar(20) | 40 |

Uses

[[dbo].[Registeration]](#xyfh4wsLP7AF+sh1o1Z/Za8A7pM=)

|  |
| --- |
| [dbo].[update\_student] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @st\_id | int | 4 |
| @st\_ssn | nvarchar(50) | 100 |
| @st\_birthdate | date | 3 |
| @st\_city | nvarchar(50) | 100 |
| @st\_fname | nvarchar(50) | 100 |
| @st\_lname | nvarchar(50) | 100 |
| @st\_gender | nvarchar(10) | 20 |
| @track\_id | int | 4 |
| @int\_id | int | 4 |

Uses

[[dbo].[Intake]](#3j2HT+8elbRyHBUzscdysrXEhJo=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

[[dbo].[Track]](#UFN+9hX2s6pZbubueOHmkgBybP8=)

|  |
| --- |
| [dbo].[update\_­Student\_­Exam] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @st\_id | int | 4 |
| @exam\_id | int | 4 |
| @solved\_questions | int | 4 |
| @st\_ex\_starttime | datetime | 8 |
| @st\_ex\_endtime | datetime | 8 |

Uses

[[dbo].[Exam]](#0E5+a295uLd2BoE9OfJesNttNOY=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

[[dbo].[Student\_­Exam]](#qy4Erxf9napUjf8X6ZBGGyBdlrM=)

|  |
| --- |
| [dbo].[update\_­Student\_­Exam\_­Question] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @ex\_id | int | 4 |
| @st\_id | int | 4 |
| @quest\_id | int | 4 |
| @st\_answer | nvarchar(max) | max |
| @quest\_grade | int | 4 |

Uses

[[dbo].[Exam]](#0E5+a295uLd2BoE9OfJesNttNOY=)

[[dbo].[Question]](#gcV04vimp50KHuEv07rUy74UZSo=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

[[dbo].[Student\_­Exam\_­Question]](#5WDPTYucsH4kYleV5ROzCDhtt9k=)

|  |
| --- |
| [dbo].[update\_­Student­Certification] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @st\_id | int | 4 |
| @cert\_id | int | 4 |

Uses

[[dbo].[Certification]](#6ws3CYTDGE94YPM6/0yuAS48ocY=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

[[dbo].[Student\_­Certification]](#g3OVFaYzbN3JUd1aqt1oUpaIUYY=)

|  |
| --- |
| [dbo].[update\_­Studentcourse] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @cr\_id | int | 4 |
| @st\_id | int | 4 |
| @grade | int | 4 |
| @cr\_rate | int | 4 |
| @ins\_rate | int | 4 |

Uses

[[dbo].[Course]](#ubBiIifbzMv5iidxHnavX2gMCVg=)

[[dbo].[Student]](#VCZbi20ABYDnHCYeUrcX5qY8AJ0=)

[[dbo].[Student\_­Course]](#VcvDAxapeAbrz1qTgXB7TWsByTI=)

|  |
| --- |
| [dbo].[update\_topic] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @topic\_id | int | 4 |
| @topic\_name | nvarchar(50) | 100 |

Uses

[[dbo].[Topic]](#xn6Ew1p60cTVblDr6xVgmQqlGjI=)

|  |
| --- |
| [dbo].[update\_track] |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @track\_id | int | 4 |
| @track\_name | nvarchar(100) | 200 |
| @supervisor\_id | int | 4 |

Uses

[[dbo].[Track]](#UFN+9hX2s6pZbubueOHmkgBybP8=)