Documentation

App4Learn

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| JimKirk |

Databases(1)

* [App4Learn](#B3VZJY1/User_databases/App4Learn/index)



Server Properties

|  |  |
| --- | --- |
| Property | Value |
| Product | Microsoft SQL Server |
| Version | 11.0.5058.0 |
| Language | English (United States) |
| Platform | NT x64 |
| Edition | Developer Edition (64-bit) |
| Processors | 8 |
| OS Version | 6.1 (7601) |
| Physical Memory | 8079 |
| Is Clustered | False |
| Root Directory | c:\Program Files\Microsoft SQL Server\MSSQL11.MSSQLSERVER\MSSQL |
| Collation | Latin1\_­General\_­CI\_­AS |

Server Settings

|  |  |
| --- | --- |
| Property | Value |
| Default data file path | C:\Program Files\Microsoft SQL Server\MSSQL11.MSSQLSERVER\MSSQL\DATA\ |
| Default backup file path | C:\Program Files\Microsoft SQL Server\MSSQL11.MSSQLSERVER\MSSQL\Backup |
| Default log file path | C:\Program Files\Microsoft SQL Server\MSSQL11.MSSQLSERVER\MSSQL\DATA\ |
| Recovery Interval (minutes) | 0 |
| Default index fill factor | 0 |
| Default backup media retention | 0 |
| Compress Backup | False |

Advanced Server Settings

|  |  |
| --- | --- |
| Property | Value |
| Full text upgrade option | 2 |
| Locks | 0 |
| Nested triggers enabled | True |
| Allow triggers to fire others | True |
| Default language | English |
| Network packet size | 4096 |
| Default fulltext language LCID | 1033 |
| Two-digit year cutoff | 2049 |
| Remote login timeout | 10 |
| Cursor threshold | -1 |
| Max text replication size | 65536 |
| Parallelism cost threshold | 5 |
| Scan for startup procs | False |
| Transform noise words | False |
| Blocked process threshold | 0 |
| Filestream access level | False |
| Optimize for ad hoc workloads | False |

|  |
| --- |
| User databases |

Databases(1)

* [App4Learn](#B3VZJY1/User_databases/App4Learn/index)



|  |
| --- |
| App4Learn Database |

Database Properties

|  |  |
| --- | --- |
| Property | Value |
| SQL Server Version | SQL Server 2012 |
| Compatibility Level | SQL Server 2012 |
| Database Encryption Enabled | False |
| Last backup time | - |
| Last log backup time | - |
| Creation date | Jan 9 2015 |
| Users | 5 |
| Database size | 85.63 MB |
| Unallocated space | 1.17 MB |

Database Options

|  |  |
| --- | --- |
| Property | Value |
| Compatibility Level | 110 |
| Database collation | Latin1\_­General\_­CI\_­AS |
| Restrict access | MULTI\_­USER |
| Is read-only | False |
| Auto close | False |
| Auto shrink | False |
| Database status | ONLINE |
| In standby | False |
| Cleanly shutdown | False |
| Supplemental logging enabled | False |
| Snapshot isolation state | OFF |
| Read committed snapshot on | False |
| Recovery model | FULL |
| Page verify option | CHECKSUM |
| Auto create statistics | True |
| Auto update statistics | True |
| Auto update statistics asynchronously | False |
| ANSI NULL default | False |
| ANSI NULL enabled | False |
| ANSI padding enabled | False |
| ANSI warnings enabled | False |
| Arithmetic abort enabled | False |
| Concatenating NULL yields NULL | False |
| Numeric roundabort enabled | False |
| Quoted Identifier On | False |
| Recursive triggers enabled | False |
| Close cursors on commit | False |
| Local cursors by default | False |
| Fulltext enabled | True |
| Trustworthy | True |
| Database chaining | False |
| Forced parameterization | False |
| Master key encrypted by server | False |
| Published | False |
| Subscribed | False |
| Merge published | False |
| Is distribution database | False |
| Sync with backup | False |
| Service broker GUID | 45b9d518-f4cc-44e1-8264-ceb484cc5544 |
| Service broker enabled | False |
| Log reuse wait | LOG\_­BACKUP |
| Date correlation | False |
| CDC enabled | False |
| Encrypted | False |
| Honor broker priority | False |
| Default language | English |
| Default fulltext language LCID | 1033 |
| Nested triggers enabled | True |
| Transform noise words | False |
| Two-digit year cutoff | 2049 |
| Containment | NONE |
| Target recovery time | 0 |
| Database owner | DEV\dclark |

Files

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Size | File Name |
| App4Learn | Data | 5.00 MB | C:\Program Files\Microsoft SQL Server\MSSQL11.MSSQLSERVER\MSSQL\DATA\App4Learn.mdf |
| App4Learn\_log | Log | 80.63 MB | C:\Program Files\Microsoft SQL Server\MSSQL11.MSSQLSERVER\MSSQL\DATA\App4Learn\_log.ldf |

|  |
| --- |
| Tables |

Objects

|  |
| --- |
| Name |
| [curriculum.tbl­Curriculum](#B3VZJY1/User_databases/App4Learn/Tables/tblCurriculum) The choices of different types of training. |
| [curriculum.tbl­Explanation](#B3VZJY1/User_databases/App4Learn/Tables/tblExplanation) Details of all the types of training. |
| [curriculum.tbl­Key­Stage](#B3VZJY1/User_databases/App4Learn/Tables/tblKeyStage) Details about the different types of Key­Stages available. |
| [curriculum.tbl­Subject](#B3VZJY1/User_databases/App4Learn/Tables/tblSubject) The choices of different types of subjects. |
| [questions.tbl­Demonstration­Stage](#B3VZJY1/User_databases/App4Learn/Tables/tblDemonstrationStage) Details of the steps for each question. |
| [questions.tbl­Question](#B3VZJY1/User_databases/App4Learn/Tables/tblQuestion) The individual questions for all types of curriculum and keystage. |
| [t­SQLt.Capture­Output­Log](#B3VZJY1/User_databases/App4Learn/Tables/CaptureOutputLog) |
| [t­SQLt.Private\_­Expect­Exception](#B3VZJY1/User_databases/App4Learn/Tables/Private_ExpectException) |
| [t­SQLt.Private\_­Null­Cell­Table](#B3VZJY1/User_databases/App4Learn/Tables/Private_NullCellTable) |
| [t­SQLt.Private\_­Renamed­Object­Log](#B3VZJY1/User_databases/App4Learn/Tables/Private_RenamedObjectLog) |
| [t­SQLt.Run\_­Last­Execution](#B3VZJY1/User_databases/App4Learn/Tables/Run_LastExecution) |
| [t­SQLt.Test­Message](#B3VZJY1/User_databases/App4Learn/Tables/TestMessage) |
| [t­SQLt.Test­Result](#B3VZJY1/User_databases/App4Learn/Tables/TestResult) |
| [users.tbl­Log­In](#B3VZJY1/User_databases/App4Learn/Tables/tblLogIn) Details about the log in of the user. |
| [users.tbl­Training­Log](#B3VZJY1/User_databases/App4Learn/Tables/tblTrainingLog) Contains all of the training done by the user. |
| [users.tbl­User](#B3VZJY1/User_databases/App4Learn/Tables/tblUser) The user details table. |

|  |
| --- |
| [curriculum].[tbl­Curriculum] |

MS\_­Description

The choices of different types of training.

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Latin1\_­General\_­CI\_­AS |
| Row Count (~) | 15 |
| Created | 11:11:45 09 January 2015 |
| Last Modified | 15:24:21 14 February 2015 |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Allow Nulls | Identity |
|  | ID | int | 4 | False | 1 - 1 |
|  | Subject­ID | int | 4 | False |  |
|  | Type­Of­Study | varchar(50) | 50 | False |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Columns | Unique |
|  | PK\_tbl­Curriculum | ID | True |
|  | IX\_­NC\_­Curriculum­Tbl­Curriculum\_­Subject­ID | Subject­ID |  |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Tbl­Curriculum\_­Curriculum­Tbl­Subject\_­ID | Subject­ID->[[curriculum].[tbl­Curriculum].[ID]](#B3VZJY1/User_databases/App4Learn/Tables/tblCurriculum) |

SQL Script

|  |
| --- |
| CREATE TABLE [curriculum].[tbl­Curriculum]  (  [ID] [int] NOT NULL IDENTITY(1, 1),  [Subject­ID] [int] NOT NULL,  [Type­Of­Study] [varchar] (50) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [curriculum].[tbl­Curriculum] ADD CONSTRAINT [PK\_tbl­Curriculum] PRIMARY KEY CLUSTERED ([ID]) ON [PRIMARY]  GO  CREATE NONCLUSTERED INDEX [IX\_­NC\_­Curriculum­Tbl­Curriculum\_­Subject­ID] ON [curriculum].[tbl­Curriculum] ([Subject­ID]) ON [PRIMARY]  GO  ALTER TABLE [curriculum].[tbl­Curriculum] ADD CONSTRAINT [FK\_­Tbl­Curriculum\_­Curriculum­Tbl­Subject\_­ID] FOREIGN KEY ([Subject­ID]) REFERENCES [curriculum].[tbl­Curriculum] ([ID])  GO  EXEC sp\_addextendedproperty N'MS\_­Description', N'The choices of different types of training.', 'SCHEMA', N'curriculum', 'TABLE', N'tbl­Curriculum', NULL, NULL  GO |

Uses

[curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/curriculum)

Used By

[[curriculum].[tbl­Explanation]](#B3VZJY1/User_databases/App4Learn/Tables/tblExplanation)

[[questions].[tbl­Question]](#B3VZJY1/User_databases/App4Learn/Tables/tblQuestion)

[[users].[tbl­Training­Log]](#B3VZJY1/User_databases/App4Learn/Tables/tblTrainingLog)

[[curriculum].[Get­Filtered­List­Of­Curriculum]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetFilteredListOfCurriculum)

[[curriculum].[Get­Filtered­List­Of­Explanations­By­Curriculum]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetFilteredListOfExplanationsByCurriculum)

[[curriculum].[Get­Filtered­List­Of­Explanations­By­Subject]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetFilteredListOfExplanationsBySubject)

[[curriculum].[Get­List­Of­Curriculum]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetListOfCurriculum)

[[curriculum].[Insert­New­Curriculum]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewCurriculum)

[[Get­Filtered­List­Of­Explanations­By­Curriculum].[Setup]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Setup)

[[Get­Filtered­List­Of­Explanations­By­Subject].[Setup]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Setup_0000)

[[Insert­New­Curriculum].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID)

[[Insert­New­Curriculum].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased)

[[Insert­New­Explanation].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_0007)

[[Insert­New­Explanation].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_0008)

|  |
| --- |
| [curriculum].[tbl­Explanation] |

MS\_­Description

Details of all the types of training.

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Latin1\_­General\_­CI\_­AS |
| Row Count (~) | 3 |
| Created | 11:11:45 09 January 2015 |
| Last Modified | 15:24:21 14 February 2015 |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Allow Nulls | Identity |
|  | ID | int | 4 | False | 1 - 1 |
|  | Curriculum­ID | int | 4 | False |  |
|  | Title | varchar(50) | 50 | False |  |
|  | Description­Of­Explanation | varchar(8000) | 8000 | False |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Columns | Unique |
|  | PK\_tbl­Explanation | ID | True |
|  | IX\_­NC\_­Curriculum­Tbl­Curriculum\_­Curriculum­ID | Curriculum­ID |  |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Tbl­Explanation\_­Curriculum­Tbl­Curriculum\_­ID | Curriculum­ID->[[curriculum].[tbl­Curriculum].[ID]](#B3VZJY1/User_databases/App4Learn/Tables/tblCurriculum) |

SQL Script

|  |
| --- |
| CREATE TABLE [curriculum].[tbl­Explanation]  (  [ID] [int] NOT NULL IDENTITY(1, 1),  [Curriculum­ID] [int] NOT NULL,  [Title] [varchar] (50) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL,  [Description­Of­Explanation] [varchar] (8000) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [curriculum].[tbl­Explanation] ADD CONSTRAINT [PK\_tbl­Explanation] PRIMARY KEY CLUSTERED ([ID]) ON [PRIMARY]  GO  CREATE NONCLUSTERED INDEX [IX\_­NC\_­Curriculum­Tbl­Curriculum\_­Curriculum­ID] ON [curriculum].[tbl­Explanation] ([Curriculum­ID]) ON [PRIMARY]  GO  ALTER TABLE [curriculum].[tbl­Explanation] ADD CONSTRAINT [FK\_­Tbl­Explanation\_­Curriculum­Tbl­Curriculum\_­ID] FOREIGN KEY ([Curriculum­ID]) REFERENCES [curriculum].[tbl­Curriculum] ([ID])  GO  EXEC sp\_addextendedproperty N'MS\_­Description', N'Details of all the types of training.', 'SCHEMA', N'curriculum', 'TABLE', N'tbl­Explanation', NULL, NULL  GO |

Uses

[[curriculum].[tbl­Curriculum]](#B3VZJY1/User_databases/App4Learn/Tables/tblCurriculum)

[curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/curriculum)

Used By

[[questions].[tbl­Question]](#B3VZJY1/User_databases/App4Learn/Tables/tblQuestion)

[[curriculum].[Get­Explanation­Details]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetExplanationDetails)

[[curriculum].[Get­Filtered­List­Of­Explanations­By­Curriculum]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetFilteredListOfExplanationsByCurriculum)

[[curriculum].[Get­Filtered­List­Of­Explanations­By­Subject]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetFilteredListOfExplanationsBySubject)

[[curriculum].[Get­List­Of­Explanations]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetListOfExplanations)

[[curriculum].[Insert­New­Explanation]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewExplanation)

[[Get­Explanation­Details].[test Returns­Correct­Explanation]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsCorrectExplanation)

[[Get­Filtered­List­Of­Explanations­By­Curriculum].[Setup]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Setup)

[[Get­Filtered­List­Of­Explanations­By­Subject].[Setup]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Setup_0000)

[[Insert­New­Explanation].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_0007)

[[Insert­New­Explanation].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_0008)

[[questions].[Get­Training­Explanation­Details]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetTrainingExplanationDetails)

|  |
| --- |
| [curriculum].[tbl­Key­Stage] |

MS\_­Description

Details about the different types of Key­Stages available.

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Latin1\_­General\_­CI\_­AS |
| Row Count (~) | 6 |
| Created | 11:11:45 09 January 2015 |
| Last Modified | 15:24:21 14 February 2015 |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Allow Nulls | Identity |
|  | ID | int | 4 | False | 1 - 1 |
|  | Key­Stage­Value | varchar(50) | 50 | False |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Columns | Unique |
|  | PK\_tbl­Key­Stage | ID | True |

SQL Script

|  |
| --- |
| CREATE TABLE [curriculum].[tbl­Key­Stage]  (  [ID] [int] NOT NULL IDENTITY(1, 1),  [Key­Stage­Value] [varchar] (50) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [curriculum].[tbl­Key­Stage] ADD CONSTRAINT [PK\_tbl­Key­Stage] PRIMARY KEY CLUSTERED ([ID]) ON [PRIMARY]  GO  EXEC sp\_addextendedproperty N'MS\_­Description', N'Details about the different types of Key­Stages available.', 'SCHEMA', N'curriculum', 'TABLE', N'tbl­Key­Stage', NULL, NULL  GO |

Uses

[curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/curriculum)

Used By

[[questions].[tbl­Question]](#B3VZJY1/User_databases/App4Learn/Tables/tblQuestion)

[[users].[tbl­Training­Log]](#B3VZJY1/User_databases/App4Learn/Tables/tblTrainingLog)

[[curriculum].[Get­List­Of­Key­Stages]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetListOfKeyStages)

[[curriculum].[Insert­New­Key­Stage]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewKeyStage)

[[Insert­New­Key­Stage].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_0009)

[[Insert­New­Key­Stage].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_000a)

|  |
| --- |
| [curriculum].[tbl­Subject] |

MS\_­Description

The choices of different types of subjects.

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Latin1\_­General\_­CI\_­AS |
| Row Count (~) | 7 |
| Created | 11:11:45 09 January 2015 |
| Last Modified | 15:24:21 14 February 2015 |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Allow Nulls | Identity |
|  | ID | int | 4 | False | 1 - 1 |
|  | Subject­Detail | varchar(50) | 50 | False |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Columns | Unique |
|  | PK\_tbl­Subject | ID | True |

SQL Script

|  |
| --- |
| CREATE TABLE [curriculum].[tbl­Subject]  (  [ID] [int] NOT NULL IDENTITY(1, 1),  [Subject­Detail] [varchar] (50) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [curriculum].[tbl­Subject] ADD CONSTRAINT [PK\_tbl­Subject] PRIMARY KEY CLUSTERED ([ID]) ON [PRIMARY]  GO  EXEC sp\_addextendedproperty N'MS\_­Description', N'The choices of different types of subjects.', 'SCHEMA', N'curriculum', 'TABLE', N'tbl­Subject', NULL, NULL  GO |

Uses

[curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/curriculum)

Used By

[[questions].[tbl­Question]](#B3VZJY1/User_databases/App4Learn/Tables/tblQuestion)

[[curriculum].[Get­Filtered­List­Of­Explanations­By­Subject]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetFilteredListOfExplanationsBySubject)

[[curriculum].[Get­List­Of­Subjects]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetListOfSubjects)

[[curriculum].[Insert­New­Subject]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewSubject)

[[Get­Filtered­List­Of­Explanations­By­Subject].[Setup]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Setup_0000)

[[Insert­New­Curriculum].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID)

[[Insert­New­Curriculum].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased)

[[Insert­New­Subject].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_000d)

[[Insert­New­Subject].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_000e)

|  |
| --- |
| [questions].[tbl­Demonstration­Stage] |

MS\_­Description

Details of the steps for each question.

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Latin1\_­General\_­CI\_­AS |
| Row Count (~) | 2 |
| Created | 18:25:02 15 February 2015 |
| Last Modified | 18:25:16 15 February 2015 |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Allow Nulls | Identity |
|  | ID | int | 4 | False | 1 - 1 |
|  | Description­Of­Stage | varchar(6000) | 6000 | False |  |
|  | Reg­Ex | varchar(2000) | 2000 | False |  |
|  | Stage­Mark | int | 4 | False |  |
|  | Question­ID | int | 4 | False |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Columns | Unique |
|  | PK\_tbl­Demonstration­Stage | ID | True |
|  | IX\_­NC\_­Questions­Tbl­Demonstration­Stage\_­Question­ID | Question­ID |  |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Tbl­Demonstration­Stage\_questions­Tbl­Question\_­ID | Question­ID->[[questions].[tbl­Question].[ID]](#B3VZJY1/User_databases/App4Learn/Tables/tblQuestion) |

SQL Script

|  |
| --- |
| CREATE TABLE [questions].[tbl­Demonstration­Stage]  (  [ID] [int] NOT NULL IDENTITY(1, 1),  [Description­Of­Stage] [varchar] (6000) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL,  [Reg­Ex] [varchar] (2000) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL,  [Stage­Mark] [int] NOT NULL,  [Question­ID] [int] NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [questions].[tbl­Demonstration­Stage] ADD CONSTRAINT [PK\_tbl­Demonstration­Stage] PRIMARY KEY CLUSTERED ([ID]) ON [PRIMARY]  GO  CREATE NONCLUSTERED INDEX [IX\_­NC\_­Questions­Tbl­Demonstration­Stage\_­Question­ID] ON [questions].[tbl­Demonstration­Stage] ([Question­ID]) ON [PRIMARY]  GO  ALTER TABLE [questions].[tbl­Demonstration­Stage] ADD CONSTRAINT [FK\_­Tbl­Demonstration­Stage\_questions­Tbl­Question\_­ID] FOREIGN KEY ([Question­ID]) REFERENCES [questions].[tbl­Question] ([ID])  GO  EXEC sp\_addextendedproperty N'MS\_­Description', N'Details of the steps for each question.', 'SCHEMA', N'questions', 'TABLE', N'tbl­Demonstration­Stage', NULL, NULL  GO |

Uses

[[questions].[tbl­Question]](#B3VZJY1/User_databases/App4Learn/Tables/tblQuestion)

[questions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/questions)

Used By

[[Get­Training­Demo­Step­Details­List].[Setup]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Setup_0005)

[[Insert­New­Demonstration­Step].[test Check­Step­Is­Inserted­Correctly]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckStepIsInsertedCorrectly)

[[questions].[Get­Immitation­Steps]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetImmitationSteps)

[[questions].[Get­Training­Demo­Step­Details­List]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetTrainingDemoStepDetailsList)

[[questions].[Insert­New­Demonstration­Step]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewDemonstrationStep)

|  |
| --- |
| [questions].[tbl­Question] |

MS\_­Description

The individual questions for all types of curriculum and keystage.

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Latin1\_­General\_­CI\_­AS |
| Row Count (~) | 1 |
| Created | 15:24:21 14 February 2015 |
| Last Modified | 18:25:02 15 February 2015 |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Allow Nulls | Identity |
|  | ID | int | 4 | False | 1 - 1 |
|  | Subject­ID | int | 4 | False |  |
|  | Curriculum­ID | int | 4 | False |  |
|  | Key­Stage­ID | int | 4 | False |  |
|  | Explanation­ID | int | 4 | False |  |
|  | Question | varchar(200) | 200 | False |  |
|  | Answer | varchar(1500) | 1500 | False |  |
|  | Amount­Of­Steps | int | 4 | False |  |
|  | Total­Marks | int | 4 | False |  |
|  | False­Answer­A | varchar(1500) | 1500 | False |  |
|  | False­Answer­B | varchar(1500) | 1500 | False |  |
|  | False­Answer­C | varchar(1500) | 1500 | False |  |
|  | Search­String | varchar(300) | 300 | True |  |
|  | Web­Link | varchar(300) | 300 | True |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Columns | Unique |
|  | PK\_tbl­Question | ID | True |
|  | IX\_­NC\_­Questions­Tbl­Question\_­Curriculum­ID | Curriculum­ID |  |
|  | IX\_­NC\_­Questions­Tbl­Question\_­Explanation­ID | Explanation­ID |  |
|  | IX\_­NC\_­Questions­Tbl­Question\_­Key­Stage­ID | Key­Stage­ID |  |
|  | IX\_­NC\_­Questions­Tbl­Question\_­Subject­ID | Subject­ID |  |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Tbl­Question\_­Curriculum­Tbl­Curriculum\_­ID | Curriculum­ID->[[curriculum].[tbl­Curriculum].[ID]](#B3VZJY1/User_databases/App4Learn/Tables/tblCurriculum) |
| FK\_­Tbl­Question\_­Curriculum­Tbl­Explanation\_­ID | Explanation­ID->[[curriculum].[tbl­Explanation].[ID]](#B3VZJY1/User_databases/App4Learn/Tables/tblExplanation) |
| FK\_­Tbl­Question\_­Curriculum­Tbl­Key­Stage\_­ID | Key­Stage­ID->[[curriculum].[tbl­Key­Stage].[ID]](#B3VZJY1/User_databases/App4Learn/Tables/tblKeyStage) |
| FK\_­Tbl­Question\_­Curriculum­Tbl­Subject\_­ID | Subject­ID->[[curriculum].[tbl­Subject].[ID]](#B3VZJY1/User_databases/App4Learn/Tables/tblSubject) |

SQL Script

|  |
| --- |
| CREATE TABLE [questions].[tbl­Question]  (  [ID] [int] NOT NULL IDENTITY(1, 1),  [Subject­ID] [int] NOT NULL,  [Curriculum­ID] [int] NOT NULL,  [Key­Stage­ID] [int] NOT NULL,  [Explanation­ID] [int] NOT NULL,  [Question] [varchar] (200) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL,  [Answer] [varchar] (1500) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL,  [Amount­Of­Steps] [int] NOT NULL,  [Total­Marks] [int] NOT NULL,  [False­Answer­A] [varchar] (1500) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL,  [False­Answer­B] [varchar] (1500) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL,  [False­Answer­C] [varchar] (1500) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL,  [Search­String] [varchar] (300) COLLATE Latin1\_­General\_­CI\_­AS NULL,  [Web­Link] [varchar] (300) COLLATE Latin1\_­General\_­CI\_­AS NULL  ) ON [PRIMARY]  GO  ALTER TABLE [questions].[tbl­Question] ADD CONSTRAINT [PK\_tbl­Question] PRIMARY KEY CLUSTERED ([ID]) ON [PRIMARY]  GO  CREATE NONCLUSTERED INDEX [IX\_­NC\_­Questions­Tbl­Question\_­Curriculum­ID] ON [questions].[tbl­Question] ([Curriculum­ID]) ON [PRIMARY]  GO  CREATE NONCLUSTERED INDEX [IX\_­NC\_­Questions­Tbl­Question\_­Explanation­ID] ON [questions].[tbl­Question] ([Explanation­ID]) ON [PRIMARY]  GO  CREATE NONCLUSTERED INDEX [IX\_­NC\_­Questions­Tbl­Question\_­Key­Stage­ID] ON [questions].[tbl­Question] ([Key­Stage­ID]) ON [PRIMARY]  GO  CREATE NONCLUSTERED INDEX [IX\_­NC\_­Questions­Tbl­Question\_­Subject­ID] ON [questions].[tbl­Question] ([Subject­ID]) ON [PRIMARY]  GO  ALTER TABLE [questions].[tbl­Question] ADD CONSTRAINT [FK\_­Tbl­Question\_­Curriculum­Tbl­Curriculum\_­ID] FOREIGN KEY ([Curriculum­ID]) REFERENCES [curriculum].[tbl­Curriculum] ([ID])  GO  ALTER TABLE [questions].[tbl­Question] ADD CONSTRAINT [FK\_­Tbl­Question\_­Curriculum­Tbl­Explanation\_­ID] FOREIGN KEY ([Explanation­ID]) REFERENCES [curriculum].[tbl­Explanation] ([ID])  GO  ALTER TABLE [questions].[tbl­Question] ADD CONSTRAINT [FK\_­Tbl­Question\_­Curriculum­Tbl­Key­Stage\_­ID] FOREIGN KEY ([Key­Stage­ID]) REFERENCES [curriculum].[tbl­Key­Stage] ([ID])  GO  ALTER TABLE [questions].[tbl­Question] ADD CONSTRAINT [FK\_­Tbl­Question\_­Curriculum­Tbl­Subject\_­ID] FOREIGN KEY ([Subject­ID]) REFERENCES [curriculum].[tbl­Subject] ([ID])  GO  EXEC sp\_addextendedproperty N'MS\_­Description', N'The individual questions for all types of curriculum and keystage.', 'SCHEMA', N'questions', 'TABLE', N'tbl­Question', NULL, NULL  GO |

Uses

[[curriculum].[tbl­Curriculum]](#B3VZJY1/User_databases/App4Learn/Tables/tblCurriculum)

[[curriculum].[tbl­Explanation]](#B3VZJY1/User_databases/App4Learn/Tables/tblExplanation)

[[curriculum].[tbl­Key­Stage]](#B3VZJY1/User_databases/App4Learn/Tables/tblKeyStage)

[[curriculum].[tbl­Subject]](#B3VZJY1/User_databases/App4Learn/Tables/tblSubject)

[questions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/questions)

Used By

[[questions].[tbl­Demonstration­Stage]](#B3VZJY1/User_databases/App4Learn/Tables/tblDemonstrationStage)

[[users].[tbl­Training­Log]](#B3VZJY1/User_databases/App4Learn/Tables/tblTrainingLog)

[[Get­List­Of­Question­Ids].[Setup]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Setup_0004)

[[Insert­New­Question].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_000b)

[[Insert­New­Question].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_000c)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Question­Ids No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetListOfQuestionIds_NoException)

[[questions].[Get­List­Of­Question­Ids]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetListOfQuestionIds)

[[questions].[Insert­New­Question]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewQuestion)

|  |
| --- |
| [t­SQLt].[Capture­Output­Log] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Latin1\_­General\_­CI\_­AS |
| Row Count (~) | 0 |
| Created | 11:11:45 09 January 2015 |
| Last Modified | 11:11:45 09 January 2015 |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Allow Nulls | Identity |
|  | Id | int | 4 | False | 1 - 1 |
|  | Output­Text | nvarchar(max) | max | True |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Columns | Unique |
|  | PK\_\_­Capture­O\_\_3214EC071EDA5C20 | Id | True |

SQL Script

|  |
| --- |
| CREATE TABLE [t­SQLt].[Capture­Output­Log]  (  [Id] [int] NOT NULL IDENTITY(1, 1),  [Output­Text] [nvarchar] (max) COLLATE Latin1\_­General\_­CI\_­AS NULL  ) ON [PRIMARY] TEXTIMAGE\_­ON [PRIMARY]  GO  ALTER TABLE [t­SQLt].[Capture­Output­Log] ADD CONSTRAINT [PK\_\_­Capture­O\_\_3214EC071EDA5C20] PRIMARY KEY CLUSTERED ([Id]) ON [PRIMARY]  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Log­Captured­Output]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/LogCapturedOutput)

[[t­SQLt].[Private\_­Run­Test]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunTest)

|  |
| --- |
| [t­SQLt].[Private\_­Expect­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Heap | True |
| Row Count (~) | 0 |
| Created | 11:11:45 09 January 2015 |
| Last Modified | 11:11:45 09 January 2015 |

Columns

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Max Length (Bytes) | Allow Nulls |
| i | int | 4 | True |

SQL Script

|  |
| --- |
| CREATE TABLE [t­SQLt].[Private\_­Expect­Exception]  (  [i] [int] NULL  ) ON [PRIMARY]  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Private\_­Null­Cell­Table] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Heap | True |
| Row Count (~) | 1 |
| Created | 11:11:45 09 January 2015 |
| Last Modified | 11:11:45 09 January 2015 |

Columns

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Max Length (Bytes) | Allow Nulls |
| I | int | 4 | True |

SQL Script

|  |
| --- |
| CREATE TABLE [t­SQLt].[Private\_­Null­Cell­Table]  (  [I] [int] NULL  ) ON [PRIMARY]  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Private\_­Renamed­Object­Log] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Latin1\_­General\_­CI\_­AS |
| Row Count (~) | 0 |
| Created | 11:11:45 09 January 2015 |
| Last Modified | 11:11:45 09 January 2015 |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Allow Nulls | Identity |
|  | Id | int | 4 | False | 1 - 1 |
|  | Object­Id | int | 4 | False |  |
|  | Original­Name | nvarchar(max) | max | False |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Columns | Unique |
|  | PK\_\_­Private\_­Renamed­Object­Log\_\_­Id | Id | True |

SQL Script

|  |
| --- |
| CREATE TABLE [t­SQLt].[Private\_­Renamed­Object­Log]  (  [Id] [int] NOT NULL IDENTITY(1, 1),  [Object­Id] [int] NOT NULL,  [Original­Name] [nvarchar] (max) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL  ) ON [PRIMARY] TEXTIMAGE\_­ON [PRIMARY]  GO  ALTER TABLE [t­SQLt].[Private\_­Renamed­Object­Log] ADD CONSTRAINT [PK\_\_­Private\_­Renamed­Object­Log\_\_­Id] PRIMARY KEY CLUSTERED ([Id]) ON [PRIMARY]  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Mark­Object­Before­Rename]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_MarkObjectBeforeRename)

|  |
| --- |
| [t­SQLt].[Run\_­Last­Execution] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Latin1\_­General\_­CI\_­AS |
| Heap | True |
| Row Count (~) | 15 |
| Created | 11:11:45 09 January 2015 |
| Last Modified | 11:11:45 09 January 2015 |

Columns

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Max Length (Bytes) | Allow Nulls |
| Test­Name | nvarchar(max) | max | True |
| Session­Id | int | 4 | True |
| Login­Time | datetime | 8 | True |

SQL Script

|  |
| --- |
| CREATE TABLE [t­SQLt].[Run\_­Last­Execution]  (  [Test­Name] [nvarchar] (max) COLLATE Latin1\_­General\_­CI\_­AS NULL,  [Session­Id] [int] NULL,  [Login­Time] [datetime] NULL  ) ON [PRIMARY] TEXTIMAGE\_­ON [PRIMARY]  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Save­Test­Name­For­Session]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_SaveTestNameForSession)

[[t­SQLt].[Private\_­Get­Last­Test­Name­If­Not­Provided]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetLastTestNameIfNotProvided)

|  |
| --- |
| [t­SQLt].[Test­Message] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Latin1\_­General\_­CI\_­AS |
| Heap | True |
| Row Count (~) | 0 |
| Created | 11:11:45 09 January 2015 |
| Last Modified | 11:11:45 09 January 2015 |

Columns

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Max Length (Bytes) | Allow Nulls |
| Msg | nvarchar(max) | max | True |

SQL Script

|  |
| --- |
| CREATE TABLE [t­SQLt].[Test­Message]  (  [Msg] [nvarchar] (max) COLLATE Latin1\_­General\_­CI\_­AS NULL  ) ON [PRIMARY] TEXTIMAGE\_­ON [PRIMARY]  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[[t­SQLt].[Private\_­Run­Test]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunTest)

|  |
| --- |
| [t­SQLt].[Test­Result] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Latin1\_­General\_­CI\_­AS |
| Row Count (~) | 1 |
| Created | 11:11:45 09 January 2015 |
| Last Modified | 11:11:45 09 January 2015 |

Columns

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Computed | Max Length (Bytes) | Allow Nulls | Identity |
|  | Id | int |  | 4 | False | 1 - 1 |
|  | Class | nvarchar(max) |  | max | False |  |
|  | Test­Case | nvarchar(max) |  | max | False |  |
|  | Name | nvarchar(517) | True | 1034 | True |  |
|  | Tran­Name | nvarchar(max) |  | max | False |  |
|  | Result | nvarchar(max) |  | max | True |  |
|  | Msg | nvarchar(max) |  | max | True |  |

Computed columns

|  |  |
| --- | --- |
| Name | Column definition |
| Name | ((quotename([Class])+'.')+quotename([Test­Case])) |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Columns | Unique |
|  | PK\_\_­Test­Resu\_\_3214EC0712177633 | Id | True |

SQL Script

|  |
| --- |
| CREATE TABLE [t­SQLt].[Test­Result]  (  [Id] [int] NOT NULL IDENTITY(1, 1),  [Class] [nvarchar] (max) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL,  [Test­Case] [nvarchar] (max) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL,  [Name] AS ((quotename([Class])+'.')+quotename([Test­Case])),  [Tran­Name] [nvarchar] (max) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL,  [Result] [nvarchar] (max) COLLATE Latin1\_­General\_­CI\_­AS NULL,  [Msg] [nvarchar] (max) COLLATE Latin1\_­General\_­CI\_­AS NULL  ) ON [PRIMARY] TEXTIMAGE\_­ON [PRIMARY]  GO  ALTER TABLE [t­SQLt].[Test­Result] ADD CONSTRAINT [PK\_\_­Test­Resu\_\_3214EC0712177633] PRIMARY KEY CLUSTERED ([Id]) ON [PRIMARY]  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Default­Result­Formatter]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/DefaultResultFormatter)

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[[t­SQLt].[Private\_­Clean­Test­Result]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CleanTestResult)

[[t­SQLt].[Private\_­Run­Test]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunTest)

[[t­SQLt].[Xml­Result­Formatter]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/XmlResultFormatter)

[[t­SQLt].[Test­Case­Summary]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/TestCaseSummary)

|  |
| --- |
| [users].[tbl­Log­In] |

MS\_­Description

Details about the log in of the user.

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Latin1\_­General\_­CI\_­AS |
| Row Count (~) | 8 |
| Created | 11:11:45 09 January 2015 |
| Last Modified | 11:11:45 09 January 2015 |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Allow Nulls | Identity |
|  | ID | int | 4 | False | 1 - 1 |
|  | User­ID | int | 4 | False |  |
|  | User­Name | varchar(50) | 50 | False |  |
|  | Password | varchar(50) | 50 | False |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Columns | Unique |
|  | PK\_­C\_tbl­Log­In\_­ID | ID | True |
|  | IX\_­NC\_­Users­Tbl­Log­In\_­User­ID | User­ID |  |
|  | IX\_­NC\_­Users­Tbl­Log­In\_­User­Name­Password | User­Name, Password |  |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Tbl­Log­In\_­Users­Tbl­User\_­ID | User­ID->[[users].[tbl­User].[ID]](#B3VZJY1/User_databases/App4Learn/Tables/tblUser) |

SQL Script

|  |
| --- |
| CREATE TABLE [users].[tbl­Log­In]  (  [ID] [int] NOT NULL IDENTITY(1, 1),  [User­ID] [int] NOT NULL,  [User­Name] [varchar] (50) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL,  [Password] [varchar] (50) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [users].[tbl­Log­In] ADD CONSTRAINT [PK\_­C\_tbl­Log­In\_­ID] PRIMARY KEY CLUSTERED ([ID]) ON [PRIMARY]  GO  CREATE NONCLUSTERED INDEX [IX\_­NC\_­Users­Tbl­Log­In\_­User­ID] ON [users].[tbl­Log­In] ([User­ID]) ON [PRIMARY]  GO  CREATE NONCLUSTERED INDEX [IX\_­NC\_­Users­Tbl­Log­In\_­User­Name­Password] ON [users].[tbl­Log­In] ([User­Name], [Password]) ON [PRIMARY]  GO  ALTER TABLE [users].[tbl­Log­In] ADD CONSTRAINT [FK\_­Tbl­Log­In\_­Users­Tbl­User\_­ID] FOREIGN KEY ([User­ID]) REFERENCES [users].[tbl­User] ([ID])  GO  EXEC sp\_addextendedproperty N'MS\_­Description', N'Details about the log in of the user.', 'SCHEMA', N'users', 'TABLE', N'tbl­Log­In', NULL, NULL  GO |

Uses

[[users].[tbl­User]](#B3VZJY1/User_databases/App4Learn/Tables/tblUser)

[users](#B3VZJY1/User_databases/App4Learn/Security/Schemas/users)

Used By

[[users].[Check­If­User­Is­Available]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/CheckIfUserIsAvailable)

[[users].[Check­If­User­Is­In­Database]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/CheckIfUserIsInDatabase)

[[users].[Create­New­User]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/CreateNewUser)

[[users].[Get­User­Details]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetUserDetails)

[[users].[Validate­User]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ValidateUser)

|  |
| --- |
| [users].[tbl­Training­Log] |

MS\_­Description

Contains all of the training done by the user.

Properties

|  |  |
| --- | --- |
| Property | Value |
| Row Count (~) | 0 |
| Created | 11:11:45 09 January 2015 |
| Last Modified | 15:25:16 14 February 2015 |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Allow Nulls | Identity |
|  | ID | int | 4 | False | 1 - 1 |
|  | User­ID | int | 4 | False |  |
|  | Curriculum­ID | int | 4 | False |  |
|  | Key­Stage­ID | int | 4 | False |  |
|  | Question­ID | int | 4 | False |  |
|  | Attempt | int | 4 | False |  |
|  | Mark | int | 4 | False |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Columns | Unique |
|  | PK\_tbl­Training­Log | ID | True |
|  | IX\_­NC\_­Users­Tbl­Training­Log\_­Curriculum­ID | Curriculum­ID |  |
|  | IX\_­NC\_­Users­Tbl­Training­Log\_­Key­Stage­ID | Key­Stage­ID |  |
|  | IX\_­NC\_­Users­Tbl­Training­Log\_­Question­ID | Question­ID |  |
|  | IX\_­NC\_­Users­Tbl­Training­Log\_­User­ID | User­ID |  |

Foreign Keys

|  |  |
| --- | --- |
| Name | Columns |
| FK\_­Tbl­Training­Log\_­Curriculum­Tbl­Curriculum\_­ID | Curriculum­ID->[[curriculum].[tbl­Curriculum].[ID]](#B3VZJY1/User_databases/App4Learn/Tables/tblCurriculum) |
| FK\_­Tbl­Training­Log\_­Curriculum­Tbl­Key­Stage\_­ID | Key­Stage­ID->[[curriculum].[tbl­Key­Stage].[ID]](#B3VZJY1/User_databases/App4Learn/Tables/tblKeyStage) |
| FK\_­Tbl­Training­Log\_­Questions­Tbl­Question\_­ID | Question­ID->[[questions].[tbl­Question].[ID]](#B3VZJY1/User_databases/App4Learn/Tables/tblQuestion) |
| FK\_­Tbl­Training­Log\_­Users­Tbl­User\_­ID | User­ID->[[users].[tbl­User].[ID]](#B3VZJY1/User_databases/App4Learn/Tables/tblUser) |

SQL Script

|  |
| --- |
| CREATE TABLE [users].[tbl­Training­Log]  (  [ID] [int] NOT NULL IDENTITY(1, 1),  [User­ID] [int] NOT NULL,  [Curriculum­ID] [int] NOT NULL,  [Key­Stage­ID] [int] NOT NULL,  [Question­ID] [int] NOT NULL,  [Attempt] [int] NOT NULL,  [Mark] [int] NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [users].[tbl­Training­Log] ADD CONSTRAINT [PK\_tbl­Training­Log] PRIMARY KEY CLUSTERED ([ID]) ON [PRIMARY]  GO  CREATE NONCLUSTERED INDEX [IX\_­NC\_­Users­Tbl­Training­Log\_­Curriculum­ID] ON [users].[tbl­Training­Log] ([Curriculum­ID]) ON [PRIMARY]  GO  CREATE NONCLUSTERED INDEX [IX\_­NC\_­Users­Tbl­Training­Log\_­Key­Stage­ID] ON [users].[tbl­Training­Log] ([Key­Stage­ID]) ON [PRIMARY]  GO  CREATE NONCLUSTERED INDEX [IX\_­NC\_­Users­Tbl­Training­Log\_­Question­ID] ON [users].[tbl­Training­Log] ([Question­ID]) ON [PRIMARY]  GO  CREATE NONCLUSTERED INDEX [IX\_­NC\_­Users­Tbl­Training­Log\_­User­ID] ON [users].[tbl­Training­Log] ([User­ID]) ON [PRIMARY]  GO  ALTER TABLE [users].[tbl­Training­Log] ADD CONSTRAINT [FK\_­Tbl­Training­Log\_­Curriculum­Tbl­Curriculum\_­ID] FOREIGN KEY ([Curriculum­ID]) REFERENCES [curriculum].[tbl­Curriculum] ([ID])  GO  ALTER TABLE [users].[tbl­Training­Log] ADD CONSTRAINT [FK\_­Tbl­Training­Log\_­Curriculum­Tbl­Key­Stage\_­ID] FOREIGN KEY ([Key­Stage­ID]) REFERENCES [curriculum].[tbl­Key­Stage] ([ID])  GO  ALTER TABLE [users].[tbl­Training­Log] ADD CONSTRAINT [FK\_­Tbl­Training­Log\_­Questions­Tbl­Question\_­ID] FOREIGN KEY ([Question­ID]) REFERENCES [questions].[tbl­Question] ([ID])  GO  ALTER TABLE [users].[tbl­Training­Log] ADD CONSTRAINT [FK\_­Tbl­Training­Log\_­Users­Tbl­User\_­ID] FOREIGN KEY ([User­ID]) REFERENCES [users].[tbl­User] ([ID])  GO  EXEC sp\_addextendedproperty N'MS\_­Description', N'Contains all of the training done by the user.', 'SCHEMA', N'users', 'TABLE', N'tbl­Training­Log', NULL, NULL  GO |

Uses

[[curriculum].[tbl­Curriculum]](#B3VZJY1/User_databases/App4Learn/Tables/tblCurriculum)

[[curriculum].[tbl­Key­Stage]](#B3VZJY1/User_databases/App4Learn/Tables/tblKeyStage)

[[questions].[tbl­Question]](#B3VZJY1/User_databases/App4Learn/Tables/tblQuestion)

[[users].[tbl­User]](#B3VZJY1/User_databases/App4Learn/Tables/tblUser)

[users](#B3VZJY1/User_databases/App4Learn/Security/Schemas/users)

|  |
| --- |
| [users].[tbl­User] |

MS\_­Description

The user details table.

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Latin1\_­General\_­CI\_­AS |
| Row Count (~) | 8 |
| Created | 11:11:45 09 January 2015 |
| Last Modified | 11:11:46 09 January 2015 |

Columns

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Key | Name | Data Type | Max Length (Bytes) | Allow Nulls | Identity |
|  | ID | int | 4 | False | 1 - 1 |
|  | First­Name | varchar(50) | 50 | False |  |
|  | Middle­Name | varchar(50) | 50 | True |  |
|  | Last­Name | varchar(50) | 50 | False |  |

Indexes

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Name | Columns | Unique |
|  | PK\_­C\_tbl­User\_­ID | ID | True |

SQL Script

|  |
| --- |
| CREATE TABLE [users].[tbl­User]  (  [ID] [int] NOT NULL IDENTITY(1, 1),  [First­Name] [varchar] (50) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL,  [Middle­Name] [varchar] (50) COLLATE Latin1\_­General\_­CI\_­AS NULL,  [Last­Name] [varchar] (50) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL  ) ON [PRIMARY]  GO  ALTER TABLE [users].[tbl­User] ADD CONSTRAINT [PK\_­C\_tbl­User\_­ID] PRIMARY KEY CLUSTERED ([ID]) ON [PRIMARY]  GO  EXEC sp\_addextendedproperty N'MS\_­Description', N'The user details table.', 'SCHEMA', N'users', 'TABLE', N'tbl­User', NULL, NULL  GO |

Uses

[users](#B3VZJY1/User_databases/App4Learn/Security/Schemas/users)

Used By

[[users].[tbl­Log­In]](#B3VZJY1/User_databases/App4Learn/Tables/tblLogIn)

[[users].[tbl­Training­Log]](#B3VZJY1/User_databases/App4Learn/Tables/tblTrainingLog)

[[users].[Create­New­User]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/CreateNewUser)

[[users].[Get­User­Details]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetUserDetails)

|  |
| --- |
| Views |

Objects

|  |
| --- |
| Name |
| [t­SQLt.Test­Classes](#B3VZJY1/User_databases/App4Learn/Views/TestClasses) |
| [t­SQLt.Tests](#B3VZJY1/User_databases/App4Learn/Views/Tests) |

|  |
| --- |
| [t­SQLt].[Test­Classes] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |
| Created | 11:11:45 09 January 2015 |
| Last Modified | 11:11:45 09 January 2015 |

Columns

|  |
| --- |
| Name |
| Name |
| Schema­Id |

SQL Script

|  |
| --- |
| ----------------------------------------------------------------------  CREATE VIEW [t­SQLt].[Test­Classes]  AS  SELECT s.name AS Name, s.schema\_id AS Schema­Id  FROM sys.extended\_properties ep  JOIN sys.schemas s  ON ep.major\_id = s.schema\_id  WHERE ep.name = N't­SQLt.Test­Class';  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Tests]](#B3VZJY1/User_databases/App4Learn/Views/Tests)

[[t­SQLt].[Private\_­Run­All]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunAll)

[[t­SQLt].[Private\_­Is­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_IsTestClass)

[[t­SQLt].[Private\_­Resolve­Schema­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_ResolveSchemaName)

|  |
| --- |
| [t­SQLt].[Tests] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |
| Created | 11:11:45 09 January 2015 |
| Last Modified | 11:11:45 09 January 2015 |

Columns

|  |
| --- |
| Name |
| Schema­Id |
| Test­Class­Name |
| Object­Id |
| Name |

SQL Script

|  |
| --- |
| CREATE VIEW [t­SQLt].[Tests]  AS  SELECT classes.Schema­Id, classes.Name AS Test­Class­Name,  procs.object\_id AS Object­Id, procs.name AS Name  FROM t­SQLt.Test­Classes classes  JOIN sys.procedures procs ON classes.Schema­Id = procs.schema\_id  WHERE LOWER(procs.name) LIKE 'test%';  GO |

Uses

[[t­SQLt].[Test­Classes]](#B3VZJY1/User_databases/App4Learn/Views/TestClasses)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| Stored Procedures |

Objects

|  |
| --- |
| Name |
| [curriculum.Get­Explanation­Details](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetExplanationDetails) |
| [curriculum.Get­Filtered­List­Of­Curriculum](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetFilteredListOfCurriculum) |
| [curriculum.Get­Filtered­List­Of­Explanations­By­Curriculum](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetFilteredListOfExplanationsByCurriculum) |
| [curriculum.Get­Filtered­List­Of­Explanations­By­Subject](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetFilteredListOfExplanationsBySubject) |
| [curriculum.Get­List­Of­Curriculum](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetListOfCurriculum) |
| [curriculum.Get­List­Of­Explanations](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetListOfExplanations) |
| [curriculum.Get­List­Of­Key­Stages](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetListOfKeyStages) |
| [curriculum.Get­List­Of­Subjects](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetListOfSubjects) |
| [curriculum.Insert­New­Curriculum](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewCurriculum) |
| [curriculum.Insert­New­Explanation](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewExplanation) |
| [curriculum.Insert­New­Key­Stage](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewKeyStage) |
| [curriculum.Insert­New­Subject](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewSubject) |
| [Database­Integrity­Checks.test Procedures­Have­No­Exception­Tests](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ProceduresHaveNoExceptionTests) |
| [Get­Explanation­Details.test Returns­Correct­Explanation](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsCorrectExplanation) |
| [Get­Filtered­List­Of­Explanations­By­Curriculum.Setup](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Setup) |
| [Get­Filtered­List­Of­Explanations­By­Curriculum.test Returns­Correct­List](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsCorrectList) |
| [Get­Filtered­List­Of­Explanations­By­Curriculum.test Returns­Nothing­If­Zero­Passed­In](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsNothingIfZeroPassedIn) |
| [Get­Filtered­List­Of­Explanations­By­Curriculum.test Returns­Wrong­List­With­Wrong­ID](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsWrongListWithWrongID) |
| [Get­Filtered­List­Of­Explanations­By­Subject.Setup](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Setup_0000) |
| [Get­Filtered­List­Of­Explanations­By­Subject.test Returns­Correct­List](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsCorrectList_0001) |
| [Get­Filtered­List­Of­Explanations­By­Subject.test Returns­Nothing­If­Zero­Passed­In](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsNothingIfZeroPassedIn_0002) |
| [Get­Filtered­List­Of­Explanations­By­Subject.test Returns­Wrong­List­With­Wrong­ID](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsWrongListWithWrongID_0003) |
| [Get­List­Of­Question­Ids.Setup](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Setup_0004) |
| [Get­List­Of­Question­Ids.test Returns­Valid­List](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsValidList) |
| [Get­List­Of­Question­Ids.test Returns­Zero­If­Nothing­Found](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsZeroIfNothingFound) |
| [Get­Training­Demo­Step­Details­List.Setup](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Setup_0005) |
| [Get­Training­Demo­Step­Details­List.test List­Of­Steps­Is­Returned­In­Assending­Order](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ListOfStepsIsReturnedInAssendingOrder) |
| [Get­Training­Demo­Step­Details­List.test List­Of­Steps­Returns­Empty­Table­If­No­Question­Found](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ListOfStepsReturnsEmptyTableIfNoQuestionFound) |
| [Insert­New­Curriculum.test Check­IDReturned­Is­Latest­ID](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID) |
| [Insert­New­Curriculum.test Check­Row­Count­Is­Increased](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased) |
| [Insert­New­Demonstration­Step.Setup](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Setup_0006) |
| [Insert­New­Demonstration­Step.test Check­Exception­Is­Thrown­If­Invalid­Type­Passed­In](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckExceptionIsThrownIfInvalidTypePassedIn) |
| [Insert­New­Demonstration­Step.test Check­Step­Is­Inserted­Correctly](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckStepIsInsertedCorrectly) |
| [Insert­New­Explanation.test Check­IDReturned­Is­Latest­ID](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_0007) |
| [Insert­New­Explanation.test Check­Row­Count­Is­Increased](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_0008) |
| [Insert­New­Key­Stage.test Check­IDReturned­Is­Latest­ID](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_0009) |
| [Insert­New­Key­Stage.test Check­Row­Count­Is­Increased](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_000a) |
| [Insert­New­Question.test Check­Exception­Thrown­If­Invalid­Type­Passed­In](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckExceptionThrownIfInvalidTypePassedIn) |
| [Insert­New­Question.test Check­IDReturned­Is­Latest­ID](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_000b) |
| [Insert­New­Question.test Check­Question­Inserted­With­NULLSearch­String](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckQuestionInsertedWithNULLSearchString) |
| [Insert­New­Question.test Check­Question­Inserted­With­NULLWeb­Address](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckQuestionInsertedWithNULLWebAddress) |
| [Insert­New­Question.test Check­Row­Count­Is­Increased](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_000c) |
| [Insert­New­Subject.test Check­IDReturned­Is­Latest­ID](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_000d) |
| [Insert­New­Subject.test Check­Row­Count­Is­Increased](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_000e) |
| [Procedures­Do­Not­Throw­Exceptions.test Check­If­User­Is­Available No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIfUserIsAvailable_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Check­If­User­Is­In­Database No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIfUserIsInDatabase_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Create­New­User No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CreateNewUser_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Get­Explanation­Details No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetExplanationDetails_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Get­Filtered­List­Of­Curriculum No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetFilteredListOfCurriculum_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Get­Filtered­List­Of­Explanations­By­Curriculum No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetFilteredListOfExplanationsByCurriculum_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Get­Filtered­List­Of­Explanations­By­Subject No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetFilteredListOfExplanationsBySubject_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Get­Immitation­Steps No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetImmitationSteps_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Get­List­Of­Curriculum No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetListOfCurriculum_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Get­List­Of­Explanations No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetListOfExplanations_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Get­List­Of­Key­Stages No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetListOfKeyStages_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Get­List­Of­Question­Ids No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetListOfQuestionIds_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Get­List­Of­Subjects No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetListOfSubjects_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Get­Training­Demo­Step­Details­List No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetTrainingDemoStepDetailsList_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Get­Training­Explanation­Details No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetTrainingExplanationDetails_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Get­User­Details No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetUserDetails_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Insert­New­Curriculum No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewCurriculum_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Insert­New­Demonstration­Step No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewDemonstrationStep_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Insert­New­Explanation No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewExplanation_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Insert­New­Key­Stage No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewKeyStage_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Insert­New­Question No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewQuestion_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Insert­New­Subject No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewSubject_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Test­Connection No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_TestConnection_NoException) |
| [Procedures­Do­Not­Throw­Exceptions.test Validate­User No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ValidateUser_NoException) |
| [questions.Get­Immitation­Steps](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetImmitationSteps) |
| [questions.Get­List­Of­Question­Ids](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetListOfQuestionIds) |
| [questions.Get­Training­Demo­Step­Details­List](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetTrainingDemoStepDetailsList) |
| [questions.Get­Training­Explanation­Details](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetTrainingExplanationDetails) |
| [questions.Insert­New­Demonstration­Step](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewDemonstrationStep) |
| [questions.Insert­New­Question](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewQuestion) |
| [SQLCop.test Ad hoc distributed queries](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Ad_hoc_distributed_queries) |
| [SQLCop.test Auto close](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Auto_close) |
| [SQLCop.test Auto create statistics](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Auto_create_statistics) |
| [SQLCop.test Auto Shrink](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Auto_Shrink) |
| [SQLCop.test Auto update statistics](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Auto_update_statistics) |
| [SQLCop.test Buffer cache hit ratio](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Buffer_cache_hit_ratio) |
| [SQLCop.test Column collation does not match database default](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Column_collation_does_not_match_database_default) |
| [SQLCop.test Column data types (Numeric vs. Int)](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Column_data_types_(Numeric_vs._Int)) |
| [SQLCop.test Column Name Problems](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Column_Name_Problems) |
| [SQLCop.test Columns of data type Text/n­Text](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Columns_of_data_type_Text_nText) |
| [SQLCop.test Columns with float data type](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Columns_with_float_data_type) |
| [SQLCop.test Columns with image data type](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Columns_with_image_data_type) |
| [SQLCop.test Compatibility Level](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Compatibility_Level) |
| [SQLCop.test Database collation](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Database_collation) |
| [SQLCop.test Database Mail](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Database_Mail) |
| [SQLCop.test Decimal Size Problem](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Decimal_Size_Problem) |
| [SQLCop.test Forwarded Records](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Forwarded_Records) |
| [SQLCop.test Fragmented Indexes](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Fragmented_Indexes) |
| [SQLCop.test Login Language](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Login_Language) |
| [SQLCop.test Missing Foreign Key Indexes](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Missing_Foreign_Key_Indexes) |
| [SQLCop.test Missing Foreign Keys](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Missing_Foreign_Keys) |
| [SQLCop.test Ole Automation Procedures](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Ole_Automation_Procedures) |
| [SQLCop.test Orphaned Users](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Orphaned_Users) |
| [SQLCop.test Page life expectancy](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Page_life_expectancy) |
| [SQLCop.test Procedures Named SP\_](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Procedures_Named_SP_) |
| [SQLCop.test Procedures that call undocumented procedures](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Procedures_that_call_undocumented_procedures) |
| [SQLCop.test Procedures using dynamic SQL without sp\_executesql](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Procedures_using_dynamic_SQL_without_sp_executesql) |
| [SQLCop.test Procedures with @@Identity](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Procedures_with_@@Identity) |
| [SQLCop.test Procedures With SET ROWCOUNT](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Procedures_With_SET_ROWCOUNT) |
| [SQLCop.test Procedures without SET NOCOUNT ON](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Procedures_without_SET_NOCOUNT_ON) |
| [SQLCop.test Service Account](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Service_Account) |
| [SQLCop.test Table name problems](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Table_name_problems) |
| [SQLCop.test Tables without a primary key](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Tables_without_a_primary_key) |
| [SQLCop.test Unique­Identifier with New­Id](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_UniqueIdentifier_with_NewId) |
| [SQLCop.test Unnamed Constraints](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Unnamed_Constraints) |
| [SQLCop.test User Aliases](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_User_Aliases) |
| [SQLCop.test Views with order by](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Views_with_order_by) |
| [SQLCop.test Wide Table](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Wide_Table) |
| [SQLCop.test xp\_cmdshell is enabled](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_xp_cmdshell_is_enabled) |
| [t­SQLt.Apply­Constraint](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ApplyConstraint) |
| [t­SQLt.Apply­Trigger](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ApplyTrigger) |
| [t­SQLt.Assert­Empty­Table](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEmptyTable) |
| [t­SQLt.Assert­Equals](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEquals) |
| [t­SQLt.Assert­Equals­String](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEqualsString) |
| [t­SQLt.Assert­Equals­Table](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEqualsTable) |
| [t­SQLt.Assert­Like](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertLike) |
| [t­SQLt.Assert­Not­Equals](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertNotEquals) |
| [t­SQLt.Assert­Object­Exists](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertObjectExists) |
| [t­SQLt.Assert­Result­Sets­Have­Same­Meta­Data](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertResultSetsHaveSameMetaData) |
| [t­SQLt.Capture­Output](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/CaptureOutput) |
| [t­SQLt.Default­Result­Formatter](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/DefaultResultFormatter) |
| [t­SQLt.Drop­Class](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/DropClass) |
| [t­SQLt.Expect­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectException) |
| [t­SQLt.Expect­No­Exception](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException) |
| [t­SQLt.Fail](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail) |
| [t­SQLt.Fake­Function](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeFunction) |
| [t­SQLt.Fake­Table](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable) |
| [t­SQLt.Get­New­Tran­Name](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetNewTranName) |
| [t­SQLt.Log­Captured­Output](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/LogCapturedOutput) |
| [t­SQLt.New­Connection](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/NewConnection) |
| [t­SQLt.New­Test­Class](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/NewTestClass) |
| [t­SQLt.Null­Test­Result­Formatter](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/NullTestResultFormatter) |
| [t­SQLt.Private\_­Apply­Check­Constraint](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ApplyCheckConstraint) |
| [t­SQLt.Private\_­Apply­Foreign­Key­Constraint](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ApplyForeignKeyConstraint) |
| [t­SQLt.Private\_­Clean­Test­Result](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CleanTestResult) |
| [t­SQLt.Private\_­Compare­Tables](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CompareTables) |
| [t­SQLt.Private\_­Compare­Tables­Fail­If­Unequal­Rows­Exists](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CompareTablesFailIfUnequalRowsExists) |
| [t­SQLt.Private\_­Create­Fake­Function](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CreateFakeFunction) |
| [t­SQLt.Private\_­Create­Fake­Of­Table](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CreateFakeOfTable) |
| [t­SQLt.Private\_­Create­Procedure­Spy](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CreateProcedureSpy) |
| [t­SQLt.Private\_­Create­Result­Table­For­Compare­Tables](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CreateResultTableForCompareTables) |
| [t­SQLt.Private\_­Disallow­Overwriting­Non­Test­Schema](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_DisallowOverwritingNonTestSchema) |
| [t­SQLt.Private\_­Get­Setup­Procedure­Name](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_GetSetupProcedureName) |
| [t­SQLt.Private\_­Mark­Fake­Table](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_MarkFakeTable) |
| [t­SQLt.Private\_­Mark­Object­Before­Rename](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_MarkObjectBeforeRename) |
| [t­SQLt.Private\_­Mark­Schema­As­Test­Class](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_MarkSchemaAsTestClass) |
| [t­SQLt.Private\_­Output­Test­Results](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_OutputTestResults) |
| [t­SQLt.Private\_­Print](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_Print) |
| [t­SQLt.Private\_­Print­XML](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_PrintXML) |
| [t­SQLt.Private\_­Rename­Object­To­Unique­Name](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RenameObjectToUniqueName) |
| [t­SQLt.Private\_­Rename­Object­To­Unique­Name­Using­Object­Id](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RenameObjectToUniqueNameUsingObjectId) |
| [t­SQLt.Private\_­Run](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_Run) |
| [t­SQLt.Private\_­Run­All](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunAll) |
| [t­SQLt.Private\_­Run­Test](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunTest) |
| [t­SQLt.Private\_­Run­Test­Class](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunTestClass) |
| [t­SQLt.Private\_­Save­Test­Name­For­Session](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_SaveTestNameForSession) |
| [t­SQLt.Private\_­Set­Fake­View­Off\_­Single­View](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_SetFakeViewOff_SingleView) |
| [t­SQLt.Private\_­Set­Fake­View­On\_­Single­View](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_SetFakeViewOn_SingleView) |
| [t­SQLt.Private\_­Validate­Fake­Table­Parameters](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ValidateFakeTableParameters) |
| [t­SQLt.Private\_­Validate­Objects­Compatible­With­Fake­Function](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ValidateObjectsCompatibleWithFakeFunction) |
| [t­SQLt.Private\_­Validate­Procedure­Can­Be­Used­With­Spy­Procedure](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ValidateProcedureCanBeUsedWithSpyProcedure) |
| [t­SQLt.Private\_­Validate­That­All­Data­Types­In­Table­Are­Supported](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ValidateThatAllDataTypesInTableAreSupported) |
| [t­SQLt.Remove­Object](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RemoveObject) |
| [t­SQLt.Rename­Class](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RenameClass) |
| [t­SQLt.Result­Set­Filter](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ResultSetFilter) |
| [t­SQLt.Run](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Run) |
| [t­SQLt.Run­All](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RunAll) |
| [t­SQLt.Run­Test](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RunTest) |
| [t­SQLt.Run­Test­Class](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RunTestClass) |
| [t­SQLt.Run­With­Null­Results](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RunWithNullResults) |
| [t­SQLt.Run­With­Xml­Results](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RunWithXmlResults) |
| [t­SQLt.Set­Fake­View­Off](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/SetFakeViewOff) |
| [t­SQLt.Set­Fake­View­On](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/SetFakeViewOn) |
| [t­SQLt.Set­Test­Result­Formatter](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/SetTestResultFormatter) |
| [t­SQLt.Spy­Procedure](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/SpyProcedure) |
| [t­SQLt.Stub­Record](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/StubRecord) |
| [t­SQLt.Suppress­Output](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/SuppressOutput) |
| [t­SQLt.Table­To­Text](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/TableToText) |
| [t­SQLt.Uninstall](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Uninstall) |
| [t­SQLt.Xml­Result­Formatter](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/XmlResultFormatter) |
| [users.Check­If­User­Is­Available](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/CheckIfUserIsAvailable) |
| [users.Check­If­User­Is­In­Database](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/CheckIfUserIsInDatabase) |
| [users.Create­New­User](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/CreateNewUser) |
| [users.Get­User­Details](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetUserDetails) |
| [users.Test­Connection](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/TestConnection) |
| [users.Validate­User](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ValidateUser) |

|  |
| --- |
| [curriculum].[Get­Explanation­Details] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

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

SQL Script

|  |
| --- |
| CREATE PROCEDURE [curriculum].[Get­Explanation­Details]  @Explanation­ID INT  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  SELECT explan.Description­Of­Explanation  FROM curriculum.tbl­Explanation AS explan  WHERE explan.ID = @Explanation­ID;  END TRY  BEGIN CATCH  IF(@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[curriculum].[tbl­Explanation]](#B3VZJY1/User_databases/App4Learn/Tables/tblExplanation)

[curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/curriculum)

Used By

[[Get­Explanation­Details].[test Returns­Correct­Explanation]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsCorrectExplanation)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­Explanation­Details No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetExplanationDetails_NoException)

|  |
| --- |
| [curriculum].[Get­Filtered­List­Of­Curriculum] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

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

SQL Script

|  |
| --- |
| CREATE PROCEDURE [curriculum].[Get­Filtered­List­Of­Curriculum]  @Subject­ID INT  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  SELECT cur.ID,  cur.Type­Of­Study AS Curriculum­Details  FROM curriculum.tbl­Curriculum AS cur  WHERE cur.Subject­ID = @Subject­ID;  END TRY  BEGIN CATCH  IF(@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[curriculum].[tbl­Curriculum]](#B3VZJY1/User_databases/App4Learn/Tables/tblCurriculum)

[curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/curriculum)

Used By

[[Procedures­Do­Not­Throw­Exceptions].[test Get­Filtered­List­Of­Curriculum No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetFilteredListOfCurriculum_NoException)

|  |
| --- |
| [curriculum].[Get­Filtered­List­Of­Explanations­By­Curriculum] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

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

SQL Script

|  |
| --- |
| CREATE PROCEDURE [curriculum].[Get­Filtered­List­Of­Explanations­By­Curriculum]  @Curriculum­ID INT  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  SELECT explan.ID,  explan.Title AS Explanation­Detail  FROM curriculum.tbl­Explanation AS explan  INNER JOIN curriculum.tbl­Curriculum AS curr ON curr.ID = explan.Curriculum­ID  WHERE curr.ID = @Curriculum­ID;  END TRY  BEGIN CATCH  IF(@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[curriculum].[tbl­Curriculum]](#B3VZJY1/User_databases/App4Learn/Tables/tblCurriculum)

[[curriculum].[tbl­Explanation]](#B3VZJY1/User_databases/App4Learn/Tables/tblExplanation)

[curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/curriculum)

Used By

[[Get­Filtered­List­Of­Explanations­By­Curriculum].[test Returns­Correct­List]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsCorrectList)

[[Get­Filtered­List­Of­Explanations­By­Curriculum].[test Returns­Nothing­If­Zero­Passed­In]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsNothingIfZeroPassedIn)

[[Get­Filtered­List­Of­Explanations­By­Curriculum].[test Returns­Wrong­List­With­Wrong­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsWrongListWithWrongID)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­Filtered­List­Of­Explanations­By­Curriculum No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetFilteredListOfExplanationsByCurriculum_NoException)

|  |
| --- |
| [curriculum].[Get­Filtered­List­Of­Explanations­By­Subject] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

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

SQL Script

|  |
| --- |
| CREATE PROCEDURE [curriculum].[Get­Filtered­List­Of­Explanations­By­Subject]  @Subject­ID INT  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  SELECT explan.ID,  explan.Title AS Explanation­Detail  FROM curriculum.tbl­Explanation AS explan  INNER JOIN curriculum.tbl­Curriculum AS curr ON curr.ID = explan.Curriculum­ID  INNER JOIN curriculum.tbl­Subject AS sub ON sub.ID = curr.ID  WHERE sub.ID = @Subject­ID;  END TRY  BEGIN CATCH  IF(@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[curriculum].[tbl­Curriculum]](#B3VZJY1/User_databases/App4Learn/Tables/tblCurriculum)

[[curriculum].[tbl­Explanation]](#B3VZJY1/User_databases/App4Learn/Tables/tblExplanation)

[[curriculum].[tbl­Subject]](#B3VZJY1/User_databases/App4Learn/Tables/tblSubject)

[curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/curriculum)

Used By

[[Get­Filtered­List­Of­Explanations­By­Subject].[test Returns­Correct­List]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsCorrectList_0001)

[[Get­Filtered­List­Of­Explanations­By­Subject].[test Returns­Nothing­If­Zero­Passed­In]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsNothingIfZeroPassedIn_0002)

[[Get­Filtered­List­Of­Explanations­By­Subject].[test Returns­Wrong­List­With­Wrong­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsWrongListWithWrongID_0003)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­Filtered­List­Of­Explanations­By­Subject No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetFilteredListOfExplanationsBySubject_NoException)

|  |
| --- |
| [curriculum].[Get­List­Of­Curriculum] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [curriculum].[Get­List­Of­Curriculum]  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  SELECT cur.ID,  cur.Type­Of­Study AS Curriculum­Details  FROM curriculum.tbl­Curriculum AS cur;  END TRY  BEGIN CATCH  IF(@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[curriculum].[tbl­Curriculum]](#B3VZJY1/User_databases/App4Learn/Tables/tblCurriculum)

[curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/curriculum)

Used By

[[Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Curriculum No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetListOfCurriculum_NoException)

|  |
| --- |
| [curriculum].[Get­List­Of­Explanations] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [curriculum].[Get­List­Of­Explanations]  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  SELECT explan.ID,  explan.Title AS Explanation­Detail  FROM curriculum.tbl­Explanation AS explan;  END TRY  BEGIN CATCH  IF(@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[curriculum].[tbl­Explanation]](#B3VZJY1/User_databases/App4Learn/Tables/tblExplanation)

[curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/curriculum)

Used By

[[Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Explanations No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetListOfExplanations_NoException)

|  |
| --- |
| [curriculum].[Get­List­Of­Key­Stages] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [curriculum].[Get­List­Of­Key­Stages]  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  SELECT keystage.ID,  keystage.Key­Stage­Value AS Key­Stage­Detail  FROM curriculum.tbl­Key­Stage AS keystage;  END TRY  BEGIN CATCH  IF(@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[curriculum].[tbl­Key­Stage]](#B3VZJY1/User_databases/App4Learn/Tables/tblKeyStage)

[curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/curriculum)

Used By

[[Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Key­Stages No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetListOfKeyStages_NoException)

|  |
| --- |
| [curriculum].[Get­List­Of­Subjects] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [curriculum].[Get­List­Of­Subjects]  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  SELECT sub.ID,  sub.Subject­Detail  FROM curriculum.tbl­Subject AS sub;  END TRY  BEGIN CATCH  IF(@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[curriculum].[tbl­Subject]](#B3VZJY1/User_databases/App4Learn/Tables/tblSubject)

[curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/curriculum)

Used By

[[Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Subjects No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetListOfSubjects_NoException)

|  |
| --- |
| [curriculum].[Insert­New­Curriculum] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Subject­ID | int | 4 |
| @Curriculum­Detail | varchar(50) | 50 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [curriculum].[Insert­New­Curriculum]  @Subject­ID INT,  @Curriculum­Detail VARCHAR(50)  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  BEGIN TRANSACTION  INSERT INTO curriculum.tbl­Curriculum  (Subject­ID, Type­Of­Study)  VALUES (@Subject­ID, @Curriculum­Detail);    COMMIT TRANSACTION;  SELECT SCOPE\_­IDENTITY();  END TRY  BEGIN CATCH  IF (@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[curriculum].[tbl­Curriculum]](#B3VZJY1/User_databases/App4Learn/Tables/tblCurriculum)

[curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/curriculum)

Used By

[[Insert­New­Curriculum].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID)

[[Insert­New­Curriculum].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased)

[[Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Curriculum No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewCurriculum_NoException)

|  |
| --- |
| [curriculum].[Insert­New­Explanation] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Curriculum­ID | int | 4 |
| @Title | varchar(50) | 50 |
| @Description | varchar(8000) | 8000 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [curriculum].[Insert­New­Explanation]  @Curriculum­ID INT,  @Title VARCHAR(50),  @Description VARCHAR(8000)  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  BEGIN TRANSACTION  INSERT INTO curriculum.tbl­Explanation  (  Curriculum­ID,  Title,  Description­Of­Explanation  )  VALUES (  @Curriculum­ID,  @Title,  @Description  );    COMMIT TRANSACTION;  SELECT SCOPE\_­IDENTITY();  END TRY  BEGIN CATCH  IF (@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[curriculum].[tbl­Explanation]](#B3VZJY1/User_databases/App4Learn/Tables/tblExplanation)

[curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/curriculum)

Used By

[[Insert­New­Explanation].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_0007)

[[Insert­New­Explanation].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_0008)

[[Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Explanation No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewExplanation_NoException)

|  |
| --- |
| [curriculum].[Insert­New­Key­Stage] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Key­Stage­Details | varchar(50) | 50 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [curriculum].[Insert­New­Key­Stage]  @Key­Stage­Details VARCHAR(50)  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  BEGIN TRANSACTION  INSERT INTO curriculum.tbl­Key­Stage  (Key­Stage­Value)  VALUES (@Key­Stage­Details);    COMMIT TRANSACTION;  SELECT SCOPE\_­IDENTITY();  END TRY  BEGIN CATCH  IF (@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[curriculum].[tbl­Key­Stage]](#B3VZJY1/User_databases/App4Learn/Tables/tblKeyStage)

[curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/curriculum)

Used By

[[Insert­New­Key­Stage].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_0009)

[[Insert­New­Key­Stage].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_000a)

[[Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Key­Stage No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewKeyStage_NoException)

|  |
| --- |
| [curriculum].[Insert­New­Subject] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Subject­Detail | varchar(50) | 50 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [curriculum].[Insert­New­Subject]  @Subject­Detail VARCHAR(50)  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  BEGIN TRANSACTION  INSERT INTO curriculum.tbl­Subject  (Subject­Detail)  VALUES (@Subject­Detail);  COMMIT TRANSACTION;  SELECT SCOPE\_­IDENTITY();  END TRY  BEGIN CATCH  IF (@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[curriculum].[tbl­Subject]](#B3VZJY1/User_databases/App4Learn/Tables/tblSubject)

[curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/curriculum)

Used By

[[Insert­New­Subject].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_000d)

[[Insert­New­Subject].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_000e)

[[Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Subject No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewSubject_NoException)

|  |
| --- |
| [Database­Integrity­Checks].[test Procedures­Have­No­Exception­Tests] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Database­Integrity­Checks].[test Procedures­Have­No­Exception­Tests]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @Procedure­Count INT;  DECLARE @List­Of­Procedures VARCHAR(MAX);  CREATE TABLE #Exception  (  Procedure­Name VARCHAR(128)  );  INSERT INTO #Exception  (  Procedure­Name  )  SELECT r.SPECIFIC\_­NAME  FROM INFORMATION\_­SCHEMA.ROUTINES AS r  WHERE r.ROUTINE\_­TYPE = 'PROCEDURE'  AND r.SPECIFIC\_­SCHEMA IN ('curriculum', 'questions',  'users')  AND r.ROUTINE\_­NAME NOT IN (  SELECT SUBSTRING(p.name, 6,  LEN(p.name) - 5 - CHARINDEX(' ',  REVERSE(p.name)))  FROM sys.procedures AS p  WHERE p.name LIKE 'test%No­Exception')  ORDER BY r.ROUTINE\_­NAME;  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    SET @Procedure­Count = (SELECT COUNT(Procedure­Name)  FROM #Exception  );  SET @List­Of­Procedures = (SELECT SUBSTRING((SELECT Procedure­Name + ', '  FROM #Exception  FOR  XML PATH('')  ), 1, 1000)  );  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  IF (@Procedure­Count > 0)  BEGIN  EXEC t­SQLt.Fail  @Message0 = N'The following stored procedures are missing from these tests: ', -- nvarchar(max)  @Message1 = @List­Of­Procedures, -- nvarchar(max)  @Message2 = N' please create tests for these procedures!', -- nvarchar(max)  @Message3 = N' The total amount of procedures: ', -- nvarchar(max)  @Message4 = @Procedure­Count, -- nvarchar(max)  @Message5 = N'.'; -- nvarchar(max)  END;    END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[Database­Integrity­Checks](#B3VZJY1/User_databases/App4Learn/Security/Schemas/DatabaseIntegrityChecks)

|  |
| --- |
| [Get­Explanation­Details].[test Returns­Correct­Explanation] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Get­Explanation­Details].[test Returns­Correct­Explanation]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  DECLARE @explan INT = 2;  CREATE TABLE Get­Explanation­Details.Expected (Details VARCHAR (8000)) ;  CREATE TABLE Get­Explanation­Details.Actual (Details VARCHAR (8000)) ;  INSERT INTO Get­Explanation­Details.Expected (Details)  VALUES  (  '... In a galaxy far, far away...'  ) ;  EXEC t­SQLt.Fake­Table  @Table­Name = 'curriculum.tbl­Explanation',  @Identity = 1,  @Computed­Columns = 0,  @Defaults = 0;  INSERT INTO curriculum.tbl­Explanation  (  curriculum.tbl­Explanation.Curriculum­ID,  curriculum.tbl­Explanation.Title,  curriculum.tbl­Explanation.Description­Of­Explanation  )  VALUES  (  1,  -- Curriculum­ID - int  'A title.',  -- Title - varchar  'Once upon a time...' -- Description­Of­Explanation - varchar  ),  (  1,  -- Curriculum­ID - int  'A new title.',  -- Title - varchar  '... In a galaxy far, far away...' -- Description­Of­Explanation - varchar  );  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.  INSERT INTO Get­Explanation­Details.Actual (Details)  EXEC curriculum.Get­Explanation­Details  @Explanation­ID = @explan;  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC t­SQLt.Assert­Equals­Table  @Expected = 'Get­Explanation­Details.Expected',  @Actual = 'Get­Explanation­Details.Actual',  @Fail­Msg = 'The explanations were not the same.';  END;  GO |

Uses

[[curriculum].[tbl­Explanation]](#B3VZJY1/User_databases/App4Learn/Tables/tblExplanation)

[[curriculum].[Get­Explanation­Details]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetExplanationDetails)

[[t­SQLt].[Assert­Equals­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEqualsTable)

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

[Get­Explanation­Details](#B3VZJY1/User_databases/App4Learn/Security/Schemas/GetExplanationDetails)

|  |
| --- |
| [Get­Filtered­List­Of­Explanations­By­Curriculum].[Setup] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [Get­Filtered­List­Of­Explanations­By­Curriculum].[Setup]  AS  BEGIN  -- SET NOCOUNT ON added to prevent extra result sets from  -- interfering with SELECT statements.  SET NOCOUNT ON;  EXEC t­SQLt.Fake­Table @Table­Name = 'curriculum.tbl­Curriculum', @Identity = 1, @Computed­Columns = 0, @Defaults = 0;  EXEC t­SQLt.Fake­Table @Table­Name = 'curriculum.tbl­Explanation', @Identity = 1, @Computed­Columns = 0, @Defaults = 0;  INSERT INTO curriculum.tbl­Curriculum (curriculum.tbl­Curriculum.Subject­ID,  curriculum.tbl­Curriculum.Type­Of­Study)  VALUES  (  1,  'Basics') ,  (  2,  'Language') ,  (  3,  'Biology') ,  (  3,  'Chemistry') ,  (  3,  'Physics') ;  INSERT INTO curriculum.tbl­Explanation (curriculum.tbl­Explanation.Curriculum­ID,  curriculum.tbl­Explanation.Title,  curriculum.tbl­Explanation.Description­Of­Explanation)  VALUES  (  1,  'Addition',  'Add 1 to 1.') ,  (  2,  'Grammer',  'Make sure you keep the right words.') ,  (  3,  'Human Anatomy',  'Where is the toe') ,  (  3,  'Periodic Table',  'What is the heaviest element?') ,  (  3,  'Gravity',  'How does the apple fall?') ;  CREATE TABLE Get­Filtered­List­Of­Explanations­By­Curriculum.Expected (ID INT,  Explanation­Detail VARCHAR (50)) ;  CREATE TABLE Get­Filtered­List­Of­Explanations­By­Curriculum.Actual (ID INT,  Explanation­Detail VARCHAR (50)) ;  END;  GO |

Uses

[[curriculum].[tbl­Curriculum]](#B3VZJY1/User_databases/App4Learn/Tables/tblCurriculum)

[[curriculum].[tbl­Explanation]](#B3VZJY1/User_databases/App4Learn/Tables/tblExplanation)

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

[Get­Filtered­List­Of­Explanations­By­Curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/GetFilteredListOfExplanationsByCurriculum)

|  |
| --- |
| [Get­Filtered­List­Of­Explanations­By­Curriculum].[test Returns­Correct­List] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Get­Filtered­List­Of­Explanations­By­Curriculum].[test Returns­Correct­List]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  DECLARE @curriculum INT = 3;    INSERT INTO Get­Filtered­List­Of­Explanations­By­Curriculum.Expected (ID,  Explanation­Detail)  VALUES  (  3,  'Human Anatomy') ,  (  4,  'Periodic Table') ,  (  5,  'Gravity') ;  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.  INSERT INTO Get­Filtered­List­Of­Explanations­By­Curriculum.Actual (ID,  Explanation­Detail)  EXEC curriculum.Get­Filtered­List­Of­Explanations­By­Curriculum @Curriculum­ID = @curriculum;  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC t­SQLt.Assert­Equals­Table  @Expected = 'Get­Filtered­List­Of­Explanations­By­Curriculum.Expected',  @Actual = 'Get­Filtered­List­Of­Explanations­By­Curriculum.Actual',  @Fail­Msg = 'The tables are not the same.';  END;  GO |

Uses

[[curriculum].[Get­Filtered­List­Of­Explanations­By­Curriculum]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetFilteredListOfExplanationsByCurriculum)

[[t­SQLt].[Assert­Equals­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEqualsTable)

[Get­Filtered­List­Of­Explanations­By­Curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/GetFilteredListOfExplanationsByCurriculum)

|  |
| --- |
| [Get­Filtered­List­Of­Explanations­By­Curriculum].[test Returns­Nothing­If­Zero­Passed­In] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Get­Filtered­List­Of­Explanations­By­Curriculum].[test Returns­Nothing­If­Zero­Passed­In]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  DECLARE @curriculum INT = 0;    --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.  INSERT INTO Get­Filtered­List­Of­Explanations­By­Curriculum.Actual (ID,  Explanation­Detail)  EXEC curriculum.Get­Filtered­List­Of­Explanations­By­Curriculum  @Curriculum­ID = @curriculum;  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC t­SQLt.Assert­Empty­Table  @Table­Name = 'Get­Filtered­List­Of­Explanations­By­Curriculum.Actual';  END;  GO |

Uses

[[curriculum].[Get­Filtered­List­Of­Explanations­By­Curriculum]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetFilteredListOfExplanationsByCurriculum)

[[t­SQLt].[Assert­Empty­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEmptyTable)

[Get­Filtered­List­Of­Explanations­By­Curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/GetFilteredListOfExplanationsByCurriculum)

|  |
| --- |
| [Get­Filtered­List­Of­Explanations­By­Curriculum].[test Returns­Wrong­List­With­Wrong­ID] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Get­Filtered­List­Of­Explanations­By­Curriculum].[test Returns­Wrong­List­With­Wrong­ID]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  DECLARE @curriculum INT = 1;    INSERT INTO Get­Filtered­List­Of­Explanations­By­Curriculum.Expected (ID,  Explanation­Detail)  VALUES  (  3,  'Human Anatomy') ,  (  4,  'Periodic Table') ,  (  5,  'Gravity') ;  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.  INSERT INTO Get­Filtered­List­Of­Explanations­By­Curriculum.Actual (ID,  Explanation­Detail)  EXEC curriculum.Get­Filtered­List­Of­Explanations­By­Curriculum @Curriculum­ID = @curriculum;  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC t­SQLt.Assert­Not­Equals  @Expected = 'Get­Filtered­List­Of­Explanations­By­Curriculum.Expected',  @Actual = 'Get­Filtered­List­Of­Explanations­By­Curriculum.Actual',  @Message = 'The tables are not the same.';  END;  GO |

Uses

[[curriculum].[Get­Filtered­List­Of­Explanations­By­Curriculum]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetFilteredListOfExplanationsByCurriculum)

[[t­SQLt].[Assert­Not­Equals]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertNotEquals)

[Get­Filtered­List­Of­Explanations­By­Curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/GetFilteredListOfExplanationsByCurriculum)

|  |
| --- |
| [Get­Filtered­List­Of­Explanations­By­Subject].[Setup] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [Get­Filtered­List­Of­Explanations­By­Subject].[Setup]  AS  BEGIN  -- SET NOCOUNT ON added to prevent extra result sets from  -- interfering with SELECT statements.  SET NOCOUNT ON;  EXEC t­SQLt.Fake­Table @Table­Name = 'curriculum.tbl­Subject', @Identity = 1, @Computed­Columns = 0, @Defaults = 0;  EXEC t­SQLt.Fake­Table @Table­Name = 'curriculum.tbl­Curriculum', @Identity = 1, @Computed­Columns = 0, @Defaults = 0;  EXEC t­SQLt.Fake­Table @Table­Name = 'curriculum.tbl­Explanation', @Identity = 1, @Computed­Columns = 0, @Defaults = 0;  INSERT INTO curriculum.tbl­Subject (curriculum.tbl­Subject.Subject­Detail)  VALUES  (  'Maths') ,  (  'English') ,  (  'Science') ;  INSERT INTO curriculum.tbl­Curriculum (curriculum.tbl­Curriculum.Subject­ID,  curriculum.tbl­Curriculum.Type­Of­Study)  VALUES  (  1,  'Basics') ,  (  2,  'Language') ,  (  3,  'Biology') ,  (  3,  'Chemistry') ,  (  3,  'Physics') ;  INSERT INTO curriculum.tbl­Explanation (curriculum.tbl­Explanation.Curriculum­ID,  curriculum.tbl­Explanation.Title,  curriculum.tbl­Explanation.Description­Of­Explanation)  VALUES  (  1,  'Addition',  'Add 1 to 1.') ,  (  2,  'Grammer',  'Make sure you keep the right words.') ,  (  3,  'Human Anatomy',  'Where is the toe') ,  (  3,  'Periodic Table',  'What is the heaviest element?') ,  (  3,  'Gravity',  'How does the apple fall?') ;  CREATE TABLE Get­Filtered­List­Of­Explanations­By­Subject.Expected (ID INT,  Explanation­Detail VARCHAR (50)) ;  CREATE TABLE Get­Filtered­List­Of­Explanations­By­Subject.Actual (ID INT,  Explanation­Detail VARCHAR (50)) ;  END;  GO |

Uses

[[curriculum].[tbl­Curriculum]](#B3VZJY1/User_databases/App4Learn/Tables/tblCurriculum)

[[curriculum].[tbl­Explanation]](#B3VZJY1/User_databases/App4Learn/Tables/tblExplanation)

[[curriculum].[tbl­Subject]](#B3VZJY1/User_databases/App4Learn/Tables/tblSubject)

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

[Get­Filtered­List­Of­Explanations­By­Subject](#B3VZJY1/User_databases/App4Learn/Security/Schemas/GetFilteredListOfExplanationsBySubject)

|  |
| --- |
| [Get­Filtered­List­Of­Explanations­By­Subject].[test Returns­Correct­List] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Get­Filtered­List­Of­Explanations­By­Subject].[test Returns­Correct­List]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  DECLARE @subject INT = 3;    INSERT INTO Get­Filtered­List­Of­Explanations­By­Subject.Expected (ID,  Explanation­Detail)  VALUES  (  3,  'Human Anatomy') ,  (  4,  'Periodic Table') ,  (  5,  'Gravity') ;  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.  INSERT INTO Get­Filtered­List­Of­Explanations­By­Subject.Actual (ID,  Explanation­Detail)  EXEC curriculum.Get­Filtered­List­Of­Explanations­By­Subject @Subject­ID = @subject;  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC t­SQLt.Assert­Equals­Table  @Expected = 'Get­Filtered­List­Of­Explanations­By­Subject.Expected',  @Actual = 'Get­Filtered­List­Of­Explanations­By­Subject.Actual',  @Fail­Msg = 'The tables are not the same.';  END;  GO |

Uses

[[curriculum].[Get­Filtered­List­Of­Explanations­By­Subject]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetFilteredListOfExplanationsBySubject)

[[t­SQLt].[Assert­Equals­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEqualsTable)

[Get­Filtered­List­Of­Explanations­By­Subject](#B3VZJY1/User_databases/App4Learn/Security/Schemas/GetFilteredListOfExplanationsBySubject)

|  |
| --- |
| [Get­Filtered­List­Of­Explanations­By­Subject].[test Returns­Nothing­If­Zero­Passed­In] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Get­Filtered­List­Of­Explanations­By­Subject].[test Returns­Nothing­If­Zero­Passed­In]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  DECLARE @subject INT = 0;    --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.  INSERT INTO Get­Filtered­List­Of­Explanations­By­Subject.Actual (ID,  Explanation­Detail)  EXEC curriculum.Get­Filtered­List­Of­Explanations­By­Subject  @Subject­ID = @subject;  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC t­SQLt.Assert­Empty­Table  @Table­Name = 'Get­Filtered­List­Of­Explanations­By­Subject.Actual';  END;  GO |

Uses

[[curriculum].[Get­Filtered­List­Of­Explanations­By­Subject]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetFilteredListOfExplanationsBySubject)

[[t­SQLt].[Assert­Empty­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEmptyTable)

[Get­Filtered­List­Of­Explanations­By­Subject](#B3VZJY1/User_databases/App4Learn/Security/Schemas/GetFilteredListOfExplanationsBySubject)

|  |
| --- |
| [Get­Filtered­List­Of­Explanations­By­Subject].[test Returns­Wrong­List­With­Wrong­ID] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Get­Filtered­List­Of­Explanations­By­Subject].[test Returns­Wrong­List­With­Wrong­ID]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  DECLARE @subject INT = 1;  INSERT INTO Get­Filtered­List­Of­Explanations­By­Subject.Expected (ID,  Explanation­Detail)  VALUES  (  3,  'Human Anatomy') ,  (  4,  'Periodic Table') ,  (  5,  'Gravity') ;  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.  INSERT INTO Get­Filtered­List­Of­Explanations­By­Subject.Actual (ID,  Explanation­Detail)  EXEC curriculum.Get­Filtered­List­Of­Explanations­By­Subject @Subject­ID = @subject;  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC t­SQLt.Assert­Not­Equals  @Expected = 'Get­Filtered­List­Of­Explanations­By­Subject.Expected',  @Actual = 'Get­Filtered­List­Of­Explanations­By­Subject.Actual',  @Message = 'The tables are not the same.';  END;  GO |

Uses

[[curriculum].[Get­Filtered­List­Of­Explanations­By­Subject]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetFilteredListOfExplanationsBySubject)

[[t­SQLt].[Assert­Not­Equals]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertNotEquals)

[Get­Filtered­List­Of­Explanations­By­Subject](#B3VZJY1/User_databases/App4Learn/Security/Schemas/GetFilteredListOfExplanationsBySubject)

|  |
| --- |
| [Get­List­Of­Question­Ids].[Setup] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [Get­List­Of­Question­Ids].[Setup]  AS  BEGIN  -- SET NOCOUNT ON added to prevent extra result sets from  -- interfering with SELECT statements.  SET NOCOUNT ON;  EXEC t­SQLt.Fake­Table  @Table­Name = 'questions.tbl­Question',  @Identity = 1,  @Computed­Columns = 0,  @Defaults = 0;  INSERT INTO questions.tbl­Question  (Subject­ID, Curriculum­ID, Key­Stage­ID, Explanation­ID, Question, Answer, Amount­Of­Steps, Total­Marks,  False­Answer­A, False­Answer­B, False­Answer­C, Search­String, Web­Link)  VALUES (1, -- Subject­ID - int  1, -- Curriculum­ID - int  1, -- Key­Stage­ID - int  1, -- Explanation­ID - int  'What is..?', -- Question - varchar(200)  'Yep', -- Answer - varchar(1500)  5, -- Amount­Of­Steps - int  1, -- Total­Marks - int  'Nope', -- False­Answer­A - varchar(1500)  'No', -- False­Answer­B - varchar(1500)  'Negative', -- False­Answer­C - varchar(1500)  'findithere', -- Search­String - varchar(300)  'www.somewhere' -- Web­Link - varchar(300)  ),  (2, -- Subject­ID - int  2, -- Curriculum­ID - int  1, -- Key­Stage­ID - int  3, -- Explanation­ID - int  'What is..Um?', -- Question - varchar(200)  'Yep', -- Answer - varchar(1500)  3, -- Amount­Of­Steps - int  3, -- Total­Marks - int  'Nope', -- False­Answer­A - varchar(1500)  'No', -- False­Answer­B - varchar(1500)  'Negative', -- False­Answer­C - varchar(1500)  'findithere', -- Search­String - varchar(300)  'www.somewhere' -- Web­Link - varchar(300)  ),  (2, -- Subject­ID - int  3, -- Curriculum­ID - int  2, -- Key­Stage­ID - int  4, -- Explanation­ID - int  'What is..that?', -- Question - varchar(200)  'Me', -- Answer - varchar(1500)  5, -- Amount­Of­Steps - int  1, -- Total­Marks - int  'You', -- False­Answer­A - varchar(1500)  'No', -- False­Answer­B - varchar(1500)  'Negative', -- False­Answer­C - varchar(1500)  'findithere', -- Search­String - varchar(300)  'www.somewhere' -- Web­Link - varchar(300)  ),  (3, -- Subject­ID - int  4, -- Curriculum­ID - int  2, -- Key­Stage­ID - int  7, -- Explanation­ID - int  'What is..OK?', -- Question - varchar(200)  'OK', -- Answer - varchar(1500)  5, -- Amount­Of­Steps - int  1, -- Total­Marks - int  'Not OK', -- False­Answer­A - varchar(1500)  'No', -- False­Answer­B - varchar(1500)  'Negative', -- False­Answer­C - varchar(1500)  'findithere', -- Search­String - varchar(300)  'www.somewhere' -- Web­Link - varchar(300)  ),  (1, -- Subject­ID - int  1, -- Curriculum­ID - int  1, -- Key­Stage­ID - int  1, -- Explanation­ID - int  'What is..the other thing?', -- Question - varchar(200)  'You', -- Answer - varchar(1500)  5, -- Amount­Of­Steps - int  1, -- Total­Marks - int  'Me', -- False­Answer­A - varchar(1500)  'Him', -- False­Answer­B - varchar(1500)  'Her', -- False­Answer­C - varchar(1500)  'findithere', -- Search­String - varchar(300)  'www.somewhere' -- Web­Link - varchar(300)  );    CREATE TABLE Get­List­Of­Question­Ids.Expected (ID INT);  CREATE TABLE Get­List­Of­Question­Ids.Actual (ID INT);  END;  GO |

Uses

[[questions].[tbl­Question]](#B3VZJY1/User_databases/App4Learn/Tables/tblQuestion)

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

[Get­List­Of­Question­Ids](#B3VZJY1/User_databases/App4Learn/Security/Schemas/GetListOfQuestionIds)

|  |
| --- |
| [Get­List­Of­Question­Ids].[test Returns­Valid­List] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Get­List­Of­Question­Ids].[test Returns­Valid­List]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  DECLARE @subject INT = 2;  DECLARE @curric INT = 3;  DECLARE @key INT = 2;  DECLARE @explan INT = 4;  INSERT INTO Get­List­Of­Question­Ids.Expected  (ID)  VALUES (3);  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    INSERT INTO Get­List­Of­Question­Ids.Actual  (  ID  )  EXEC questions.Get­List­Of­Question­Ids  @Subject­ID = @subject,  @Curriculum­ID = @curric,  @Key­Stage­ID = @key,  @Explanation­ID = @explan;    --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/    EXEC t­SQLt.Assert­Equals­Table  @Expected = N'Get­List­Of­Question­Ids.Expected', -- nvarchar(max)  @Actual = N'Get­List­Of­Question­Ids.Actual', -- nvarchar(max)  @Fail­Msg = N'The results table does not match the expected.'; -- nvarchar(max)  END;  GO |

Uses

[[questions].[Get­List­Of­Question­Ids]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetListOfQuestionIds)

[[t­SQLt].[Assert­Equals­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEqualsTable)

[Get­List­Of­Question­Ids](#B3VZJY1/User_databases/App4Learn/Security/Schemas/GetListOfQuestionIds)

|  |
| --- |
| [Get­List­Of­Question­Ids].[test Returns­Zero­If­Nothing­Found] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Get­List­Of­Question­Ids].[test Returns­Zero­If­Nothing­Found]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  DECLARE @subject INT = 999;  DECLARE @curric INT = 999;  DECLARE @key INT = 999;  DECLARE @explan INT = 999;  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    INSERT INTO Get­List­Of­Question­Ids.Actual  (  ID  )  EXEC questions.Get­List­Of­Question­Ids  @Subject­ID = @subject,  @Curriculum­ID = @curric,  @Key­Stage­ID = @key,  @Explanation­ID = @explan;    --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/    EXEC t­SQLt.Assert­Empty­Table  @Table­Name = N'Get­List­Of­Question­Ids.Actual'; -- nvarchar(max)  END;  GO |

Uses

[[questions].[Get­List­Of­Question­Ids]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetListOfQuestionIds)

[[t­SQLt].[Assert­Empty­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEmptyTable)

[Get­List­Of­Question­Ids](#B3VZJY1/User_databases/App4Learn/Security/Schemas/GetListOfQuestionIds)

|  |
| --- |
| [Get­Training­Demo­Step­Details­List].[Setup] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [Get­Training­Demo­Step­Details­List].[Setup]  AS  BEGIN  -- SET NOCOUNT ON added to prevent extra result sets from  -- interfering with SELECT statements.  SET NOCOUNT ON;  EXEC t­SQLt.Fake­Table  @Table­Name = 'questions.tbl­Demonstration­Stage',  @Identity = 1,  @Computed­Columns = 0,  @Defaults = 0;  INSERT INTO questions.tbl­Demonstration­Stage  (Description­Of­Stage, Reg­Ex, Stage­Mark, Question­ID)  VALUES ('Hello', -- Description­Of­Stage - varchar(6000)  '$(5)', -- Reg­Ex - varchar(2000)  1, -- Stage­Mark - int  1 -- Question­ID - int  ),  ('How', -- Description­Of­Stage - varchar(6000)  '$(3)', -- Reg­Ex - varchar(2000)  1, -- Stage­Mark - int  1 -- Question­ID - int  ),  ('are', -- Description­Of­Stage - varchar(6000)  '$(3)', -- Reg­Ex - varchar(2000)  1, -- Stage­Mark - int  1 -- Question­ID - int  ),  ('you?', -- Description­Of­Stage - varchar(6000)  '$(3)?', -- Reg­Ex - varchar(2000)  1, -- Stage­Mark - int  1 -- Question­ID - int  ),  ('Good', -- Description­Of­Stage - varchar(6000)  '$(4)', -- Reg­Ex - varchar(2000)  1, -- Stage­Mark - int  2 -- Question­ID - int  ),  ('bye', -- Description­Of­Stage - varchar(6000)  '$(3)', -- Reg­Ex - varchar(2000)  1, -- Stage­Mark - int  2 -- Question­ID - int  ),  ('... Now!', -- Description­Of­Stage - varchar(6000)  '$... (3)!', -- Reg­Ex - varchar(2000)  1, -- Stage­Mark - int  2 -- Question­ID - int  );  CREATE TABLE Get­Training­Demo­Step­Details­List.Expected  (  Description­Of­Stage VARCHAR(2000)  );  CREATE TABLE Get­Training­Demo­Step­Details­List.Actual  (  Description­Of­Stage VARCHAR(2000)  );  END;  GO |

Uses

[[questions].[tbl­Demonstration­Stage]](#B3VZJY1/User_databases/App4Learn/Tables/tblDemonstrationStage)

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

[Get­Training­Demo­Step­Details­List](#B3VZJY1/User_databases/App4Learn/Security/Schemas/GetTrainingDemoStepDetailsList)

|  |
| --- |
| [Get­Training­Demo­Step­Details­List].[test List­Of­Steps­Is­Returned­In­Assending­Order] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Get­Training­Demo­Step­Details­List].[test List­Of­Steps­Is­Returned­In­Assending­Order]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  DECLARE @question INT = 1;  INSERT INTO Get­Training­Demo­Step­Details­List.Expected  (Description­Of­Stage)  VALUES ('Hello'),  ('How'),  ('are'),  ('you?');  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    INSERT INTO Get­Training­Demo­Step­Details­List.Actual  (  Description­Of­Stage  )  EXEC questions.Get­Training­Demo­Step­Details­List  @Question­ID = @question; -- int    --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC t­SQLt.Assert­Equals­Table  @Expected = 'Get­Training­Demo­Step­Details­List.Expected',  @Actual = 'Get­Training­Demo­Step­Details­List.Actual',  @Fail­Msg = 'The tables are not the same.';    END;  GO |

Uses

[[questions].[Get­Training­Demo­Step­Details­List]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetTrainingDemoStepDetailsList)

[[t­SQLt].[Assert­Equals­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEqualsTable)

[Get­Training­Demo­Step­Details­List](#B3VZJY1/User_databases/App4Learn/Security/Schemas/GetTrainingDemoStepDetailsList)

|  |
| --- |
| [Get­Training­Demo­Step­Details­List].[test List­Of­Steps­Returns­Empty­Table­If­No­Question­Found] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Get­Training­Demo­Step­Details­List].[test List­Of­Steps­Returns­Empty­Table­If­No­Question­Found]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  DECLARE @question INT = 42;  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    INSERT INTO Get­Training­Demo­Step­Details­List.Actual  (  Description­Of­Stage  )  EXEC questions.Get­Training­Demo­Step­Details­List  @Question­ID = @question; -- int  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC t­SQLt.Assert­Empty­Table  @Table­Name = N'Get­Training­Demo­Step­Details­List.Actual'; -- nvarchar(max)    END;  GO |

Uses

[[questions].[Get­Training­Demo­Step­Details­List]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetTrainingDemoStepDetailsList)

[[t­SQLt].[Assert­Empty­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEmptyTable)

[Get­Training­Demo­Step­Details­List](#B3VZJY1/User_databases/App4Learn/Security/Schemas/GetTrainingDemoStepDetailsList)

|  |
| --- |
| [Insert­New­Curriculum].[test Check­IDReturned­Is­Latest­ID] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Insert­New­Curriculum].[test Check­IDReturned­Is­Latest­ID]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @id INT = 1;  DECLARE @details VARCHAR(50) = 'Some rubbish here';  DECLARE @expected­ID INT = 3;  DECLARE @actual­ID INT;  EXEC t­SQLt.Fake­Table  @Table­Name = N'curriculum.tbl­Subject',  @Identity = 1, -- bit  @Computed­Columns = 0, -- bit  @Defaults = 0; -- bit    EXEC t­SQLt.Fake­Table  @Table­Name = N'curriculum.tbl­Curriculum',  @Identity = 1, -- bit  @Computed­Columns = 0, -- bit  @Defaults = 0; -- bit    INSERT INTO curriculum.tbl­Subject  (Subject­Detail)  VALUES ('Banana Peeling');  INSERT INTO curriculum.tbl­Curriculum  (Subject­ID, Type­Of­Study)  VALUES (1, 'Peel'),  (1, 'Eat');  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC curriculum.Insert­New­Curriculum  @Subject­ID = @id,  @Curriculum­Detail = @details;  SET @actual­ID = (SELECT curric.ID  FROM curriculum.tbl­Curriculum AS curric  WHERE curric.Type­Of­Study = @details  );  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC t­SQLt.Assert­Equals  @Expected = @expected­ID, -- sql\_variant  @Actual = @actual­ID, -- sql\_variant  @Message = N'ID inserted does not match the expected ID.'; -- nvarchar(max)    END;  GO |

Uses

[[curriculum].[tbl­Curriculum]](#B3VZJY1/User_databases/App4Learn/Tables/tblCurriculum)

[[curriculum].[tbl­Subject]](#B3VZJY1/User_databases/App4Learn/Tables/tblSubject)

[[curriculum].[Insert­New­Curriculum]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewCurriculum)

[[t­SQLt].[Assert­Equals]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEquals)

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

[Insert­New­Curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/InsertNewCurriculum)

|  |
| --- |
| [Insert­New­Curriculum].[test Check­Row­Count­Is­Increased] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Insert­New­Curriculum].[test Check­Row­Count­Is­Increased]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @id INT = 1;  DECLARE @details VARCHAR(50) = 'Some rubbish here';  DECLARE @expected INT = 1;  DECLARE @actual INT;  EXEC t­SQLt.Fake­Table  @Table­Name = N'curriculum.tbl­Subject',  @Identity = 1, -- bit  @Computed­Columns = 0, -- bit  @Defaults = 0; -- bit    EXEC t­SQLt.Fake­Table  @Table­Name = N'curriculum.tbl­Curriculum',  @Identity = 1, -- bit  @Computed­Columns = 0, -- bit  @Defaults = 0; -- bit    INSERT INTO curriculum.tbl­Subject  (Subject­Detail)  VALUES ('Banana Peeling');  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC curriculum.Insert­New­Curriculum  @Subject­ID = @id,  @Curriculum­Detail = @details;  SET @actual = (SELECT COUNT(curric.ID)  FROM curriculum.tbl­Curriculum AS curric  );  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC t­SQLt.Assert­Equals  @Expected = @expected, -- sql\_variant  @Actual = @actual, -- sql\_variant  @Message = N'The count of rows in does not match expected.'; -- nvarchar(max)    END;  GO |

Uses

[[curriculum].[tbl­Curriculum]](#B3VZJY1/User_databases/App4Learn/Tables/tblCurriculum)

[[curriculum].[tbl­Subject]](#B3VZJY1/User_databases/App4Learn/Tables/tblSubject)

[[curriculum].[Insert­New­Curriculum]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewCurriculum)

[[t­SQLt].[Assert­Equals]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEquals)

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

[Insert­New­Curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/InsertNewCurriculum)

|  |
| --- |
| [Insert­New­Demonstration­Step].[Setup] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [Insert­New­Demonstration­Step].[Setup]  AS  BEGIN  SET NOCOUNT ON;  -- SET NOCOUNT ON added to prevent extra result sets from  -- interfering with SELECT statements.  EXEC t­SQLt.Fake­Table  @Table­Name = N'questions.tbl­Demonstration­Stage', -- nvarchar(max)  @Identity = 1, -- bit  @Computed­Columns = 0, -- bit  @Defaults = 0; -- bit    CREATE TABLE Insert­New­Demonstration­Step.Expected  (  ID INT,  Description­Of­Stage VARCHAR(4000),  Reg­Ex VARCHAR(2000),  Stage­Mark INT,  Question­ID INT  );    CREATE TABLE Insert­New­Demonstration­Step.Actual  (  ID INT,  Description­Of­Stage VARCHAR(4000),  Reg­Ex VARCHAR(2000),  Stage­Mark INT,  Question­ID INT  );  END;  GO |

Uses

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

[Insert­New­Demonstration­Step](#B3VZJY1/User_databases/App4Learn/Security/Schemas/InsertNewDemonstrationStep)

|  |
| --- |
| [Insert­New­Demonstration­Step].[test Check­Exception­Is­Thrown­If­Invalid­Type­Passed­In] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Insert­New­Demonstration­Step].[test Check­Exception­Is­Thrown­If­Invalid­Type­Passed­In]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @input VARCHAR(10) = 'Hello...';  DECLARE @id INT = 6;  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­Exception;  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC questions.Insert­New­Demonstration­Step  @Demo­Insert = @input, -- Demonstration­Insert­Type  @Question­ID = @id; -- int    END;  GO |

Uses

[[questions].[Insert­New­Demonstration­Step]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewDemonstrationStep)

[[t­SQLt].[Expect­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectException)

[Insert­New­Demonstration­Step](#B3VZJY1/User_databases/App4Learn/Security/Schemas/InsertNewDemonstrationStep)

|  |
| --- |
| [Insert­New­Demonstration­Step].[test Check­Step­Is­Inserted­Correctly] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Insert­New­Demonstration­Step].[test Check­Step­Is­Inserted­Correctly]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @demo­Stage VARCHAR(6000) = 'A very long demo step.';  DECLARE @reg­Ex VARCHAR(2000) = '$/d/s Some reg ex here./s/d/$2';  DECLARE @stage­Mark INT = 5;  DECLARE @question INT = 6;    INSERT INTO Insert­New­Demonstration­Step.Expected  (  ID,  Description­Of­Stage,  Reg­Ex,  Stage­Mark,  Question­ID  )  VALUES (  1,  'A very long demo step.',  '$/d/s Some reg ex here./s/d/$2',  5,  6  );    --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC questions.Insert­New­Demonstration­Step  @Demonstration­Stage­Insert = @demo­Stage,  @Reg­Ex­Insert = @reg­Ex,  @Stage­Mark­Insert = @stage­Mark,  @Question­ID = @question;  INSERT INTO Insert­New­Demonstration­Step.Actual  (  ID,  Description­Of­Stage,  Reg­Ex,  Stage­Mark,  Question­ID  )  SELECT tds.ID,  tds.Description­Of­Stage,  tds.Reg­Ex,  tds.Stage­Mark,  tds.Question­ID  FROM questions.tbl­Demonstration­Stage AS tds;  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC t­SQLt.Assert­Equals­Table  @Expected = N'Insert­New­Demonstration­Step.Expected', -- nvarchar(max)  @Actual = N'Insert­New­Demonstration­Step.Actual', -- nvarchar(max)  @Fail­Msg = N'The expected table does not match the actual table.'; -- nvarchar(max)    END;  GO |

Uses

[[questions].[tbl­Demonstration­Stage]](#B3VZJY1/User_databases/App4Learn/Tables/tblDemonstrationStage)

[[questions].[Insert­New­Demonstration­Step]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewDemonstrationStep)

[[t­SQLt].[Assert­Equals­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEqualsTable)

[Insert­New­Demonstration­Step](#B3VZJY1/User_databases/App4Learn/Security/Schemas/InsertNewDemonstrationStep)

|  |
| --- |
| [Insert­New­Explanation].[test Check­IDReturned­Is­Latest­ID] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Insert­New­Explanation].[test Check­IDReturned­Is­Latest­ID]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @id INT = 1;  DECLARE @title VARCHAR(50) = 'Oh M Gee';  DECLARE @descrip VARCHAR(8000) = 'A very long description about nothing...';  DECLARE @expected­ID INT = 3;  DECLARE @actual­ID INT;  EXEC t­SQLt.Fake­Table  @Table­Name = N'curriculum.tbl­Explanation',  @Identity = 1, -- bit  @Computed­Columns = 0, -- bit  @Defaults = 0; -- bit    EXEC t­SQLt.Fake­Table  @Table­Name = N'curriculum.tbl­Curriculum',  @Identity = 1, -- bit  @Computed­Columns = 0, -- bit  @Defaults = 0; -- bit    INSERT INTO curriculum.tbl­Curriculum  (Subject­ID, Type­Of­Study)  VALUES (1, 'Hello');  INSERT INTO curriculum.tbl­Explanation  (Curriculum­ID, Title, Description­Of­Explanation)  VALUES (1, 'Pooh', 'A tale of a bear.'),  (1, 'Something', 'Something is happening here!');    --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC curriculum.Insert­New­Explanation  @Curriculum­ID = @id,  @Title = @title,  @Description = @descrip;  SET @actual­ID = (SELECT explan.ID  FROM curriculum.tbl­Explanation AS explan  WHERE explan.Title = @title  );  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC t­SQLt.Assert­Equals  @Expected = @expected­ID, -- sql\_variant  @Actual = @actual­ID, -- sql\_variant  @Message = N'ID inserted does not match the expected ID.'; -- nvarchar(max)    END;  GO |

Uses

[[curriculum].[tbl­Curriculum]](#B3VZJY1/User_databases/App4Learn/Tables/tblCurriculum)

[[curriculum].[tbl­Explanation]](#B3VZJY1/User_databases/App4Learn/Tables/tblExplanation)

[[curriculum].[Insert­New­Explanation]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewExplanation)

[[t­SQLt].[Assert­Equals]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEquals)

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

[Insert­New­Explanation](#B3VZJY1/User_databases/App4Learn/Security/Schemas/InsertNewExplanation)

|  |
| --- |
| [Insert­New­Explanation].[test Check­Row­Count­Is­Increased] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Insert­New­Explanation].[test Check­Row­Count­Is­Increased]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @id INT = 1;  DECLARE @title VARCHAR(50) = 'Oh M Gee';  DECLARE @descrip VARCHAR(8000) = 'A very long description about nothing...';  DECLARE @expected INT = 1;  DECLARE @actual INT;  EXEC t­SQLt.Fake­Table  @Table­Name = N'curriculum.tbl­Explanation',  @Identity = 1, -- bit  @Computed­Columns = 0, -- bit  @Defaults = 0; -- bit    EXEC t­SQLt.Fake­Table  @Table­Name = N'curriculum.tbl­Curriculum',  @Identity = 1, -- bit  @Computed­Columns = 0, -- bit  @Defaults = 0; -- bit    INSERT INTO curriculum.tbl­Curriculum  (Subject­ID, Type­Of­Study)  VALUES (1, 'Hello');  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC curriculum.Insert­New­Explanation  @Curriculum­ID = @id,  @Title = @title,  @Description = @descrip;  SET @actual = (SELECT COUNT(explan.ID)  FROM curriculum.tbl­Explanation AS explan  );  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC t­SQLt.Assert­Equals  @Expected = @expected, -- sql\_variant  @Actual = @actual, -- sql\_variant  @Message = N'The count of rows in does not match expected.'; -- nvarchar(max)    END;  GO |

Uses

[[curriculum].[tbl­Curriculum]](#B3VZJY1/User_databases/App4Learn/Tables/tblCurriculum)

[[curriculum].[tbl­Explanation]](#B3VZJY1/User_databases/App4Learn/Tables/tblExplanation)

[[curriculum].[Insert­New­Explanation]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewExplanation)

[[t­SQLt].[Assert­Equals]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEquals)

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

[Insert­New­Explanation](#B3VZJY1/User_databases/App4Learn/Security/Schemas/InsertNewExplanation)

|  |
| --- |
| [Insert­New­Key­Stage].[test Check­IDReturned­Is­Latest­ID] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Insert­New­Key­Stage].[test Check­IDReturned­Is­Latest­ID]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @input VARCHAR(50) = 'KS45';  DECLARE @expected­ID INT = 3;  DECLARE @actual­ID INT;  EXEC t­SQLt.Fake­Table  @Table­Name = N'curriculum.tbl­Key­Stage',  @Identity = 1, -- bit  @Computed­Columns = 0, -- bit  @Defaults = 0; -- bit    INSERT INTO curriculum.tbl­Key­Stage  (Key­Stage­Value)  VALUES ('Bombs'),  ('Bubbles');  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC curriculum.Insert­New­Key­Stage  @Key­Stage­Details = @input;  SET @actual­ID = (SELECT keys.ID  FROM curriculum.tbl­Key­Stage AS keys  WHERE keys.Key­Stage­Value = @input  );  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC t­SQLt.Assert­Equals  @Expected = @expected­ID, -- sql\_variant  @Actual = @actual­ID, -- sql\_variant  @Message = N'ID inserted does not match the expected ID.'; -- nvarchar(max)    END;  GO |

Uses

[[curriculum].[tbl­Key­Stage]](#B3VZJY1/User_databases/App4Learn/Tables/tblKeyStage)

[[curriculum].[Insert­New­Key­Stage]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewKeyStage)

[[t­SQLt].[Assert­Equals]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEquals)

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

[Insert­New­Key­Stage](#B3VZJY1/User_databases/App4Learn/Security/Schemas/InsertNewKeyStage)

|  |
| --- |
| [Insert­New­Key­Stage].[test Check­Row­Count­Is­Increased] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Insert­New­Key­Stage].[test Check­Row­Count­Is­Increased]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @input VARCHAR(50) = 'KS44';  DECLARE @expected INT = 1;  DECLARE @count INT;  EXEC t­SQLt.Fake­Table  @Table­Name = N'curriculum.tbl­Key­Stage',  @Identity = 1, -- bit  @Computed­Columns = 0, -- bit  @Defaults = 0; -- bit    --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC curriculum.Insert­New­Key­Stage  @Key­Stage­Details = @input;  SET @count = (SELECT COUNT(keys.ID)  FROM curriculum.tbl­Key­Stage AS keys  );  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC t­SQLt.Assert­Equals  @Expected = @expected, -- sql\_variant  @Actual = @count, -- sql\_variant  @Message = N'Count of rows does not match the expected.'; -- nvarchar(max)    END;  GO |

Uses

[[curriculum].[tbl­Key­Stage]](#B3VZJY1/User_databases/App4Learn/Tables/tblKeyStage)

[[curriculum].[Insert­New­Key­Stage]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewKeyStage)

[[t­SQLt].[Assert­Equals]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEquals)

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

[Insert­New­Key­Stage](#B3VZJY1/User_databases/App4Learn/Security/Schemas/InsertNewKeyStage)

|  |
| --- |
| [Insert­New­Question].[test Check­Exception­Thrown­If­Invalid­Type­Passed­In] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Insert­New­Question].[test Check­Exception­Thrown­If­Invalid­Type­Passed­In]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @input VARCHAR(10) = 'Hello...';  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­Exception;  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC questions.Insert­New­Question  @Insert­Type = @input; -- Question­Insert­Type    END;  GO |

Uses

[[questions].[Insert­New­Question]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewQuestion)

[[t­SQLt].[Expect­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectException)

[Insert­New­Question](#B3VZJY1/User_databases/App4Learn/Security/Schemas/InsertNewQuestion)

|  |
| --- |
| [Insert­New­Question].[test Check­IDReturned­Is­Latest­ID] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Insert­New­Question].[test Check­IDReturned­Is­Latest­ID]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @subject­ID INT = 1;  DECLARE @curriculum­ID INT = 1;  DECLARE @key­Stage­ID INT = 1;  DECLARE @explanation­ID INT = 1;  DECLARE @question VARCHAR(200) = 'What is what?';  DECLARE @answer VARCHAR(1500) = 'This';  DECLARE @amount­Of­Steps INT = 1;  DECLARE @marks­Set INT = 5;  DECLARE @false­Answer­A VARCHAR(1500) = 'That';  DECLARE @false­Answer­B VARCHAR(1500) = 'What';  DECLARE @false­Answer­C VARCHAR(1500) = 'No';  DECLARE @search­String VARCHAR(300) = 'Somthing, else, here';  DECLARE @web­Link VARCHAR(300) = 'www.bbc.co.uk/bitsize';  DECLARE @expected­ID INT = 3;  DECLARE @actual­ID INT;    EXEC t­SQLt.Fake­Table  @Table­Name = N'questions.tbl­Question', -- nvarchar(max)  @Identity = 1, -- bit  @Computed­Columns = 0, -- bit  @Defaults = 0; -- bit    INSERT INTO questions.tbl­Question  (Subject­ID, Curriculum­ID, Key­Stage­ID, Explanation­ID, Question, Answer, Amount­Of­Steps, Total­Marks,  False­Answer­A, False­Answer­B, False­Answer­C, Search­String, Web­Link)  VALUES (1, -- Subject­ID - int  1, -- Curriculum­ID - int  1, -- Key­Stage­ID - int  1, -- Explanation­ID - int  'Um?', -- Question - varchar(200)  '2', -- Answer - varchar(1500)  1, -- Amount­Of­Steps - int  5, -- Total­Marks - int  '3', -- False­Answer­A - varchar(1500)  '4', -- False­Answer­B - varchar(1500)  '5', -- False­Answer­C - varchar(1500)  NULL, -- Search­String - varchar(300)  NULL -- Web­Link - varchar(300)  ),  (1, -- Subject­ID - int  2, -- Curriculum­ID - int  1, -- Key­Stage­ID - int  4, -- Explanation­ID - int  'What?', -- Question - varchar(200)  'No', -- Answer - varchar(1500)  2, -- Amount­Of­Steps - int  4, -- Total­Marks - int  'Yes', -- False­Answer­A - varchar(1500)  'Um', -- False­Answer­B - varchar(1500)  'Kind of', -- False­Answer­C - varchar(1500)  NULL, -- Search­String - varchar(300)  NULL -- Web­Link - varchar(300)  );  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC questions.Insert­New­Question  @Selected­Subject­ID = @subject­ID,  @Selected­Curriculum­ID = @curriculum­ID,  @Selected­Key­Stage­ID = @key­Stage­ID,  @Selected­Explanation­ID = @explanation­ID,  @New­Question = @question,  @New­Answer = @answer,  @Amount­Of­Steps­Set = @amount­Of­Steps,  @Total­Marks­Set = @marks­Set,  @New­False­Answer­A = @false­Answer­A,  @New­False­Answer­B = @false­Answer­B,  @New­False­Answer­C = @false­Answer­C,  @New­Search­String = @search­String,  @New­Web­Link = @web­Link;    SET @actual­ID = (SELECT quest.ID  FROM questions.tbl­Question AS quest  WHERE quest.Question = 'What is what?'  );  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC t­SQLt.Assert­Equals  @Expected = @expected­ID, -- sql\_variant  @Actual = @actual­ID, -- sql\_variant  @Message = N'ID inserted does not match the expected ID.'; -- nvarchar(max)    END;  GO |

Uses

[[questions].[tbl­Question]](#B3VZJY1/User_databases/App4Learn/Tables/tblQuestion)

[[questions].[Insert­New­Question]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewQuestion)

[[t­SQLt].[Assert­Equals]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEquals)

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

[Insert­New­Question](#B3VZJY1/User_databases/App4Learn/Security/Schemas/InsertNewQuestion)

|  |
| --- |
| [Insert­New­Question].[test Check­Question­Inserted­With­NULLSearch­String] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Insert­New­Question].[test Check­Question­Inserted­With­NULLSearch­String]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @subject­ID INT = 1;  DECLARE @curriculum­ID INT = 1;  DECLARE @key­Stage­ID INT = 1;  DECLARE @explanation­ID INT = 1;  DECLARE @question VARCHAR(200) = 'What is what?';  DECLARE @answer VARCHAR(1500) = 'This';  DECLARE @amount­Of­Steps INT = 1;  DECLARE @marks­Set INT = 5;  DECLARE @false­Answer­A VARCHAR(1500) = 'That';  DECLARE @false­Answer­B VARCHAR(1500) = 'What';  DECLARE @false­Answer­C VARCHAR(1500) = 'No';  DECLARE @search­String VARCHAR(300) = NULL  DECLARE @web­Link VARCHAR(300) = 'www.bbc.co.uk/bitsize';    EXEC t­SQLt.Fake­Table  @Table­Name = N'questions.tbl­Question', -- nvarchar(max)  @Identity = 1, -- bit  @Computed­Columns = 0, -- bit  @Defaults = 0; -- bit    --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = N'Insert question with NULL search string threw an exception.'; -- nvarchar(max)    --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC questions.Insert­New­Question  @Selected­Subject­ID = @subject­ID,  @Selected­Curriculum­ID = @curriculum­ID,  @Selected­Key­Stage­ID = @key­Stage­ID,  @Selected­Explanation­ID = @explanation­ID,  @New­Question = @question,  @New­Answer = @answer,  @Amount­Of­Steps­Set = @amount­Of­Steps,  @Total­Marks­Set = @marks­Set,  @New­False­Answer­A = @false­Answer­A,  @New­False­Answer­B = @false­Answer­B,  @New­False­Answer­C = @false­Answer­C,  @New­Search­String = @search­String,  @New­Web­Link = @web­Link;  END;  GO |

Uses

[[questions].[Insert­New­Question]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewQuestion)

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

[Insert­New­Question](#B3VZJY1/User_databases/App4Learn/Security/Schemas/InsertNewQuestion)

|  |
| --- |
| [Insert­New­Question].[test Check­Question­Inserted­With­NULLWeb­Address] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Insert­New­Question].[test Check­Question­Inserted­With­NULLWeb­Address]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @subject­ID INT = 1;  DECLARE @curriculum­ID INT = 1;  DECLARE @key­Stage­ID INT = 1;  DECLARE @explanation­ID INT = 1;  DECLARE @question VARCHAR(200) = 'What is what?';  DECLARE @answer VARCHAR(1500) = 'This';  DECLARE @amount­Of­Steps INT = 1;  DECLARE @marks­Set INT = 5;  DECLARE @false­Answer­A VARCHAR(1500) = 'That';  DECLARE @false­Answer­B VARCHAR(1500) = 'What';  DECLARE @false­Answer­C VARCHAR(1500) = 'No';  DECLARE @search­String VARCHAR(300) = 'Somthing, else, here';  DECLARE @web­Link VARCHAR(300) = NULL;  EXEC t­SQLt.Fake­Table  @Table­Name = N'questions.tbl­Question', -- nvarchar(max)  @Identity = 1, -- bit  @Computed­Columns = 0, -- bit  @Defaults = 0; -- bit    --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = N'Insert question with NULL web link threw an exception.'; -- nvarchar(max)    --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC questions.Insert­New­Question  @Selected­Subject­ID = @subject­ID,  @Selected­Curriculum­ID = @curriculum­ID,  @Selected­Key­Stage­ID = @key­Stage­ID,  @Selected­Explanation­ID = @explanation­ID,  @New­Question = @question,  @New­Answer = @answer,  @Amount­Of­Steps­Set = @amount­Of­Steps,  @Total­Marks­Set = @marks­Set,  @New­False­Answer­A = @false­Answer­A,  @New­False­Answer­B = @false­Answer­B,  @New­False­Answer­C = @false­Answer­C,  @New­Search­String = @search­String,  @New­Web­Link = @web­Link;  END;  GO |

Uses

[[questions].[Insert­New­Question]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewQuestion)

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

[Insert­New­Question](#B3VZJY1/User_databases/App4Learn/Security/Schemas/InsertNewQuestion)

|  |
| --- |
| [Insert­New­Question].[test Check­Row­Count­Is­Increased] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Insert­New­Question].[test Check­Row­Count­Is­Increased]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @subject­ID INT = 1;  DECLARE @curriculum­ID INT = 1;  DECLARE @key­Stage­ID INT = 1;  DECLARE @explanation­ID INT = 1;  DECLARE @question VARCHAR(200) = 'What is what?';  DECLARE @answer VARCHAR(1500) = 'This';  DECLARE @amount­Of­Steps INT = 1;  DECLARE @marks­Set INT = 5;  DECLARE @false­Answer­A VARCHAR(1500) = 'That';  DECLARE @false­Answer­B VARCHAR(1500) = 'What';  DECLARE @false­Answer­C VARCHAR(1500) = 'No';  DECLARE @search­String VARCHAR(300) = 'Somthing, else, here';  DECLARE @web­Link VARCHAR(300) = 'www.bbc.co.uk/bitsize';  DECLARE @expected INT = 1;  DECLARE @actual INT;  EXEC t­SQLt.Fake­Table  @Table­Name = N'questions.tbl­Question', -- nvarchar(max)  @Identity = 1, -- bit  @Computed­Columns = 0, -- bit  @Defaults = 0; -- bit    --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC questions.Insert­New­Question  @Selected­Subject­ID = @subject­ID,  @Selected­Curriculum­ID = @curriculum­ID,  @Selected­Key­Stage­ID = @key­Stage­ID,  @Selected­Explanation­ID = @explanation­ID,  @New­Question = @question,  @New­Answer = @answer,  @Amount­Of­Steps­Set = @amount­Of­Steps,  @Total­Marks­Set = @marks­Set,  @New­False­Answer­A = @false­Answer­A,  @New­False­Answer­B = @false­Answer­B,  @New­False­Answer­C = @false­Answer­C,  @New­Search­String = @search­String,  @New­Web­Link = @web­Link;    SET @actual = (SELECT COUNT(quest.ID)  FROM questions.tbl­Question AS quest  );  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC t­SQLt.Assert­Equals  @Expected = @expected, -- sql\_variant  @Actual = @actual, -- sql\_variant  @Message = N'Count of rows does not match the expected.'; -- nvarchar(max)    END;  GO |

Uses

[[questions].[tbl­Question]](#B3VZJY1/User_databases/App4Learn/Tables/tblQuestion)

[[questions].[Insert­New­Question]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewQuestion)

[[t­SQLt].[Assert­Equals]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEquals)

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

[Insert­New­Question](#B3VZJY1/User_databases/App4Learn/Security/Schemas/InsertNewQuestion)

|  |
| --- |
| [Insert­New­Subject].[test Check­IDReturned­Is­Latest­ID] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Insert­New­Subject].[test Check­IDReturned­Is­Latest­ID]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @input VARCHAR(50) = 'Banana Peeling';  DECLARE @expected­ID INT = 3;  DECLARE @actual­ID INT;  EXEC t­SQLt.Fake­Table  @Table­Name = N'curriculum.tbl­Subject',  @Identity = 1, -- bit  @Computed­Columns = 0, -- bit  @Defaults = 0; -- bit    INSERT INTO curriculum.tbl­Subject  (Subject­Detail)  VALUES ('Bombs'),  ('Bubbles');  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC curriculum.Insert­New­Subject  @Subject­Detail = @input;  SET @actual­ID = (SELECT subjects.ID  FROM curriculum.tbl­Subject AS subjects  WHERE subjects.Subject­Detail = @input  );  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC t­SQLt.Assert­Equals  @Expected = @expected­ID, -- sql\_variant  @Actual = @actual­ID, -- sql\_variant  @Message = N'ID inserted does not match the expected ID.'; -- nvarchar(max)    END;  GO |

Uses

[[curriculum].[tbl­Subject]](#B3VZJY1/User_databases/App4Learn/Tables/tblSubject)

[[curriculum].[Insert­New­Subject]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewSubject)

[[t­SQLt].[Assert­Equals]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEquals)

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

[Insert­New­Subject](#B3VZJY1/User_databases/App4Learn/Security/Schemas/InsertNewSubject)

|  |
| --- |
| [Insert­New­Subject].[test Check­Row­Count­Is­Increased] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Insert­New­Subject].[test Check­Row­Count­Is­Increased]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @input VARCHAR(50) = 'Banana Peeling';  DECLARE @expected INT = 1;  DECLARE @count INT;  EXEC t­SQLt.Fake­Table  @Table­Name = N'curriculum.tbl­Subject',  @Identity = 1, -- bit  @Computed­Columns = 0, -- bit  @Defaults = 0; -- bit    --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC curriculum.Insert­New­Subject  @Subject­Detail = @input;  SET @count = (SELECT COUNT(subjects.ID)  FROM curriculum.tbl­Subject AS subjects  );  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC t­SQLt.Assert­Equals  @Expected = @expected, -- sql\_variant  @Actual = @count, -- sql\_variant  @Message = N'Count of rows does not match the expected.'; -- nvarchar(max)    END;  GO |

Uses

[[curriculum].[tbl­Subject]](#B3VZJY1/User_databases/App4Learn/Tables/tblSubject)

[[curriculum].[Insert­New­Subject]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewSubject)

[[t­SQLt].[Assert­Equals]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEquals)

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

[Insert­New­Subject](#B3VZJY1/User_databases/App4Learn/Security/Schemas/InsertNewSubject)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Check­If­User­Is­Available No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Check­If­User­Is­Available No­Exception]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  DECLARE @user VARCHAR (50) = 'pooh';  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = 'Check­If­User­Is­Available threw an exception.';  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC users.Check­If­User­Is­Available  @User­Name = @user;  END;  GO |

Uses

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[[users].[Check­If­User­Is­Available]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/CheckIfUserIsAvailable)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Check­If­User­Is­In­Database No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Check­If­User­Is­In­Database No­Exception]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  DECLARE @user VARCHAR (50) = 'pooh';  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = 'Check­If­User­Is­In­Database threw an exception.';  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC users.Check­If­User­Is­In­Database  @User­Name = @user;  END;  GO |

Uses

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[[users].[Check­If­User­Is­In­Database]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/CheckIfUserIsInDatabase)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Create­New­User No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Create­New­User No­Exception]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  DECLARE @user VARCHAR(50) = 'tiggerz';  DECLARE @pass VARCHAR(50) = '42';  DECLARE @first VARCHAR(50) = 'tiggr';  DECLARE @middle VARCHAR(50) = 'um';  DECLARE @last VARCHAR(50) = 'bounce';  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = N'Create­New­User threw an exception.'; -- nvarchar(max)    --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC users.Create­New­User  @User­Name = @user,  @Password = @pass,  @First­Name = @first,  @Middle­Name = @middle,  @Last­Name = @last;  END;  GO |

Uses

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[[users].[Create­New­User]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/CreateNewUser)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Get­Explanation­Details No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Get­Explanation­Details No­Exception]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  DECLARE @explan INT = 7;  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = 'Get­Explanation­Details threw an exception.';  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC curriculum.Get­Explanation­Details  @Explanation­ID = @explan;    END;  GO |

Uses

[[curriculum].[Get­Explanation­Details]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetExplanationDetails)

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Get­Filtered­List­Of­Curriculum No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Get­Filtered­List­Of­Curriculum No­Exception]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  DECLARE @subject INT = 4;  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = 'Get­Filtered­List­Of­Curriculum threw an exception.';  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC curriculum.Get­Filtered­List­Of­Curriculum  @Subject­ID = @subject;    END;  GO |

Uses

[[curriculum].[Get­Filtered­List­Of­Curriculum]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetFilteredListOfCurriculum)

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Get­Filtered­List­Of­Explanations­By­Curriculum No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Get­Filtered­List­Of­Explanations­By­Curriculum No­Exception]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  DECLARE @Curric INT = 4;  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = 'Get­Filtered­List­Of­Explanations­By­Curriculum threw an exception.';  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC curriculum.Get­Filtered­List­Of­Explanations­By­Curriculum  @Curriculum­ID = @Curric;  END;  GO |

Uses

[[curriculum].[Get­Filtered­List­Of­Explanations­By­Curriculum]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetFilteredListOfExplanationsByCurriculum)

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Get­Filtered­List­Of­Explanations­By­Subject No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Get­Filtered­List­Of­Explanations­By­Subject No­Exception]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  DECLARE @subject INT = 4;  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = 'Get­Filtered­List­Of­Explanations­By­Subject threw an exception.';  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC curriculum.Get­Filtered­List­Of­Explanations­By­Subject  @Subject­ID = @subject;    END;  GO |

Uses

[[curriculum].[Get­Filtered­List­Of­Explanations­By­Subject]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetFilteredListOfExplanationsBySubject)

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Get­Immitation­Steps No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Get­Immitation­Steps No­Exception]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  DECLARE @question INT = 11;  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = N'questions.Get­Immitation­Steps threw an exception.'; -- nvarchar(max)    --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC questions.Get­Immitation­Steps  @Question­ID = @question;    END;  GO |

Uses

[[questions].[Get­Immitation­Steps]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetImmitationSteps)

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Curriculum No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Curriculum No­Exception]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = 'Get­List­Of­Curriculum threw an exception.';  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC curriculum.Get­List­Of­Curriculum;    END;  GO |

Uses

[[curriculum].[Get­List­Of­Curriculum]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetListOfCurriculum)

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Explanations No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

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| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Explanations No­Exception]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = 'Get­List­Of­Explanations threw an exception.';  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC curriculum.Get­List­Of­Explanations;    END;  GO |

Uses

[[curriculum].[Get­List­Of­Explanations]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetListOfExplanations)

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Key­Stages No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Key­Stages No­Exception]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = 'Get­List­Of­Key­Stages threw an exception.';  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC curriculum.Get­List­Of­Key­Stages;    END;  GO |

Uses

[[curriculum].[Get­List­Of­Key­Stages]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetListOfKeyStages)

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Question­Ids No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Question­Ids No­Exception]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  DECLARE @subject INT = 2;  DECLARE @curric INT = 3;  DECLARE @key INT = 1;  DECLARE @explan INT = 6;  EXEC t­SQLt.Fake­Table  @Table­Name = N'questions.tbl­Question', -- nvarchar(max)  @Identity = 1, -- bit  @Computed­Columns = 0, -- bit  @Defaults = 0; -- bit  INSERT INTO questions.tbl­Question  (  Subject­ID,  Curriculum­ID,  Key­Stage­ID,  Explanation­ID,  Question,  Answer,  Amount­Of­Steps,  Total­Marks,  False­Answer­A,  False­Answer­B,  False­Answer­C,  Search­String,  Web­Link  )  VALUES (  2, -- Subject­ID - int  3, -- Curriculum­ID - int  1, -- Key­Stage­ID - int  6, -- Explanation­ID - int  'What is..?', -- Question - varchar(200)  'Yep', -- Answer - varchar(1500)  5, -- Amount­Of­Steps - int  1, -- Total­Marks - int  'Nope', -- False­Answer­A - varchar(1500)  'No', -- False­Answer­B - varchar(1500)  'Negative', -- False­Answer­C - varchar(1500)  'findithere', -- Search­String - varchar(300)  'www.somewhere' -- Web­Link - varchar(300)  );  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = N'questions.Get­List­Of­Question­Ids threw an exception.'; -- nvarchar(max)    --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC questions.Get­List­Of­Question­Ids  @Subject­ID = @subject,  @Curriculum­ID = @curric,  @Key­Stage­ID = @key,  @Explanation­ID = @explan;    END;  GO |

Uses

[[questions].[tbl­Question]](#B3VZJY1/User_databases/App4Learn/Tables/tblQuestion)

[[questions].[Get­List­Of­Question­Ids]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetListOfQuestionIds)

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Subjects No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Subjects No­Exception]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC curriculum.Get­List­Of­Subjects;    END;  GO |

Uses

[[curriculum].[Get­List­Of­Subjects]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetListOfSubjects)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Get­Training­Demo­Step­Details­List No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Get­Training­Demo­Step­Details­List No­Exception]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  DECLARE @question INT = 11;  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = N'questions. Get­Training­Demo­Step­Details­List threw an exception.'; -- nvarchar(max)    --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC questions.Get­Training­Demo­Step­Details­List  @Question­ID = @question;    END;  GO |

Uses

[[questions].[Get­Training­Demo­Step­Details­List]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetTrainingDemoStepDetailsList)

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Get­Training­Explanation­Details No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Get­Training­Explanation­Details No­Exception]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @explan INT = 4;  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = 'Get­Training­Explanation­Details threw an exception.';  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC questions.Get­Training­Explanation­Details  @Selected­Explanation­ID = @explan;    END;  GO |

Uses

[[questions].[Get­Training­Explanation­Details]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetTrainingExplanationDetails)

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Get­User­Details No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Get­User­Details No­Exception]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  DECLARE @id INT = 1;  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC users.Get­User­Details  @User­ID = @id;  END;  GO |

Uses

[[users].[Get­User­Details]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetUserDetails)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Curriculum No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Curriculum No­Exception]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @subject INT = 1;  DECLARE @detail VARCHAR(50) = 'Banana Peeling';  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = N'Insert­New­Curriculum threw an exception.'; -- nvarchar(max)    --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC curriculum.Insert­New­Curriculum  @Subject­ID = @subject,  @Curriculum­Detail = @detail;    END;  GO |

Uses

[[curriculum].[Insert­New­Curriculum]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewCurriculum)

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Demonstration­Step No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Demonstration­Step No­Exception]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @demo­Stage VARCHAR(6000) = 'A very long demo step.';  DECLARE @reg­Ex VARCHAR(2000) = '$/d/s Some reg ex here./s/d/$2';  DECLARE @stage­Mark INT = 5;  DECLARE @question INT = 6;  EXEC t­SQLt.Fake­Table  @Table­Name = N'questions.tbl­Demonstration­Stage', -- nvarchar(max)  @Identity = 1, -- bit  @Computed­Columns = 0, -- bit  @Defaults = 0; -- bit    --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = N'Insert­New­Demonstration­Step threw an exception.'; -- nvarchar(max)    --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC questions.Insert­New­Demonstration­Step  @Demonstration­Stage­Insert = @demo­Stage,  @Reg­Ex­Insert = @reg­Ex,  @Stage­Mark­Insert = @stage­Mark,  @Question­ID = @question;  END;  GO |

Uses

[[questions].[Insert­New­Demonstration­Step]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewDemonstrationStep)

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Explanation No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Explanation No­Exception]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @id INT = 1;  DECLARE @title VARCHAR(50) = 'Oh M Gee';  DECLARE @descrip VARCHAR(8000) = 'A very long description about nothing...';  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = N'Insert­New­Explanation threw an exception.'; -- nvarchar(max)    --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC curriculum.Insert­New­Explanation  @Curriculum­ID = @id,  @Title = @title,  @Description = @descrip;    END;  GO |

Uses

[[curriculum].[Insert­New­Explanation]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewExplanation)

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Key­Stage No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Key­Stage No­Exception]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @detail VARCHAR(50) = 'KS42';  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = N'Insert­New­Key­Stage threw an exception.'; -- nvarchar(max)    --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC curriculum.Insert­New­Key­Stage  @Key­Stage­Details = @detail;    END;  GO |

Uses

[[curriculum].[Insert­New­Key­Stage]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewKeyStage)

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Question No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Question No­Exception]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @subject­ID INT = 1;  DECLARE @curriculum­ID INT = 1;  DECLARE @key­Stage­ID INT = 1;  DECLARE @explanation­ID INT = 1;  DECLARE @question VARCHAR(200) = 'What is what?';  DECLARE @answer VARCHAR(1500) = 'This';  DECLARE @amount­Of­Steps INT = 1;  DECLARE @marks­Set INT = 5;  DECLARE @false­Answer­A VARCHAR(1500) = 'This';  DECLARE @false­Answer­B VARCHAR(1500) = 'Is';  DECLARE @false­Answer­C VARCHAR(1500) = 'Wrong';  DECLARE @search­String VARCHAR(300) = 'Um, something, no';  DECLARE @web­Link VARCHAR(300) = 'www.bbc.co.uk/think';  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = N'Insert­New­Question threw an exception.'; -- nvarchar(max)    --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC questions.Insert­New­Question  @Selected­Subject­ID = @subject­ID,  @Selected­Curriculum­ID = @curriculum­ID,  @Selected­Key­Stage­ID = @key­Stage­ID,  @Selected­Explanation­ID = @explanation­ID,  @New­Question = @question,  @New­Answer = @answer,  @Amount­Of­Steps­Set = @amount­Of­Steps,  @Total­Marks­Set = @marks­Set,  @New­False­Answer­A = @false­Answer­A,  @New­False­Answer­B = @false­Answer­B,  @New­False­Answer­C = @false­Answer­C,  @New­Search­String = @search­String,  @New­Web­Link = @web­Link;    END;  GO |

Uses

[[questions].[Insert­New­Question]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewQuestion)

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Subject No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Subject No­Exception]  AS  BEGIN  SET NOCOUNT ON;  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/    DECLARE @detail VARCHAR(50) = 'Banana Peeling';  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = N'Insert­New­Subject threw an exception.'; -- nvarchar(max)    --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC curriculum.Insert­New­Subject  @Subject­Detail = @detail;    END;  GO |

Uses

[[curriculum].[Insert­New­Subject]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewSubject)

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Test­Connection No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Test­Connection No­Exception]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    EXEC t­SQLt.Expect­No­Exception  @Message = 'Test­Connection threw an exception.';  --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC users.Test­Connection;    END;  GO |

Uses

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[[users].[Test­Connection]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/TestConnection)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [Procedures­Do­Not­Throw­Exceptions].[test Validate­User No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- Comments here are associated with the test.  -- For test case examples, see: http://tsqlt.org/user-guide/tsqlt-tutorial/  CREATE PROCEDURE [Procedures­Do­Not­Throw­Exceptions].[test Validate­User No­Exception]  AS  BEGIN  --Assemble  -- This section is for code that sets up the environment. It often  -- contains calls to methods such as t­SQLt.Fake­Table and t­SQLt.Spy­Procedure  -- along with INSERTs of relevant data.  -- For more information, see http://tsqlt.org/user-guide/isolating-dependencies/  SET NOCOUNT ON;    DECLARE @user VARCHAR(50) = 'tiggr';  DECLARE @pass VARCHAR(50) = '42';  --Act  -- Execute the code under test like a stored procedure, function or view  -- and capture the results in variables or tables.    --Assert  -- Compare the expected and actual values, or call t­SQLt.Fail in an IF statement.  -- Available Asserts: t­SQLt.Assert­Equals, t­SQLt.Assert­Equals­String, t­SQLt.Assert­Equals­Table  -- For a complete list, see: http://tsqlt.org/user-guide/assertions/  EXEC users.Validate­User  @User­Name = @user,  @Password = @pass;    END;  GO |

Uses

[[users].[Validate­User]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ValidateUser)

[Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions)

|  |
| --- |
| [questions].[Get­Immitation­Steps] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

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

SQL Script

|  |
| --- |
| CREATE PROCEDURE [questions].[Get­Immitation­Steps] (@Question­ID INT)  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  SELECT demo­Stage.Description­Of­Stage,  demo­Stage.Reg­Ex,  demo­Stage.Stage­Mark  FROM questions.tbl­Demonstration­Stage AS demo­Stage  WHERE demo­Stage.Question­ID = @Question­ID  ORDER BY demo­Stage.ID ASC;  END TRY  BEGIN CATCH  IF (@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[questions].[tbl­Demonstration­Stage]](#B3VZJY1/User_databases/App4Learn/Tables/tblDemonstrationStage)

[questions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/questions)

Used By

[[Procedures­Do­Not­Throw­Exceptions].[test Get­Immitation­Steps No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetImmitationSteps_NoException)

|  |
| --- |
| [questions].[Get­List­Of­Question­Ids] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Subject­ID | int | 4 |
| @Curriculum­ID | int | 4 |
| @Key­Stage­ID | int | 4 |
| @Explanation­ID | int | 4 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [questions].[Get­List­Of­Question­Ids]  (  @Subject­ID INT,  @Curriculum­ID INT,  @Key­Stage­ID INT,  @Explanation­ID INT  )  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  SELECT question.ID  FROM questions.tbl­Question AS question  WHERE question.Subject­ID = @Subject­ID  AND question.Curriculum­ID = @Curriculum­ID  AND question.Key­Stage­ID = @Key­Stage­ID  AND question.Explanation­ID = @Explanation­ID;  END TRY  BEGIN CATCH  IF (@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[questions].[tbl­Question]](#B3VZJY1/User_databases/App4Learn/Tables/tblQuestion)

[questions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/questions)

Used By

[[Get­List­Of­Question­Ids].[test Returns­Valid­List]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsValidList)

[[Get­List­Of­Question­Ids].[test Returns­Zero­If­Nothing­Found]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsZeroIfNothingFound)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Question­Ids No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetListOfQuestionIds_NoException)

|  |
| --- |
| [questions].[Get­Training­Demo­Step­Details­List] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

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

SQL Script

|  |
| --- |
| CREATE PROCEDURE [questions].[Get­Training­Demo­Step­Details­List] (@Question­ID INT)  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  SELECT demo­Stage.Description­Of­Stage  FROM questions.tbl­Demonstration­Stage AS demo­Stage  WHERE demo­Stage.Question­ID = @Question­ID  ORDER BY demo­Stage.ID ASC;  END TRY  BEGIN CATCH  IF (@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[questions].[tbl­Demonstration­Stage]](#B3VZJY1/User_databases/App4Learn/Tables/tblDemonstrationStage)

[questions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/questions)

Used By

[[Get­Training­Demo­Step­Details­List].[test List­Of­Steps­Is­Returned­In­Assending­Order]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ListOfStepsIsReturnedInAssendingOrder)

[[Get­Training­Demo­Step­Details­List].[test List­Of­Steps­Returns­Empty­Table­If­No­Question­Found]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ListOfStepsReturnsEmptyTableIfNoQuestionFound)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­Training­Demo­Step­Details­List No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetTrainingDemoStepDetailsList_NoException)

|  |
| --- |
| [questions].[Get­Training­Explanation­Details] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

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

SQL Script

|  |
| --- |
| CREATE PROCEDURE [questions].[Get­Training­Explanation­Details]  (  @Selected­Explanation­ID INT  )  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  SELECT explanation.ID,  explanation.Title,  explanation.Description­Of­Explanation  FROM curriculum.tbl­Explanation AS explanation  WHERE explanation.ID = @Selected­Explanation­ID;  END TRY  BEGIN CATCH  IF (@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[curriculum].[tbl­Explanation]](#B3VZJY1/User_databases/App4Learn/Tables/tblExplanation)

[questions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/questions)

Used By

[[Procedures­Do­Not­Throw­Exceptions].[test Get­Training­Explanation­Details No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetTrainingExplanationDetails_NoException)

|  |
| --- |
| [questions].[Insert­New­Demonstration­Step] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Demonstration­Stage­Insert | varchar(6000) | 6000 |
| @Reg­Ex­Insert | varchar(2000) | 2000 |
| @Stage­Mark­Insert | int | 4 |
| @Question­ID | int | 4 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [questions].[Insert­New­Demonstration­Step]  (  @Demonstration­Stage­Insert VARCHAR(6000),  @Reg­Ex­Insert VARCHAR(2000),  @Stage­Mark­Insert INT,  @Question­ID INT  )  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  BEGIN TRANSACTION  INSERT INTO questions.tbl­Demonstration­Stage  (  Description­Of­Stage, -- Description­Of­Stage - varchar(4000)  Reg­Ex, -- Reg­Ex - varchar(2000)  Stage­Mark, -- Stage­Mark - int  Question­ID -- Question­ID - int  )  VALUES (  @Demonstration­Stage­Insert,  @Reg­Ex­Insert,  @Stage­Mark­Insert,  @Question­ID  );    COMMIT TRANSACTION;  END TRY  BEGIN CATCH  IF (@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[questions].[tbl­Demonstration­Stage]](#B3VZJY1/User_databases/App4Learn/Tables/tblDemonstrationStage)

[questions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/questions)

Used By

[[Insert­New­Demonstration­Step].[test Check­Exception­Is­Thrown­If­Invalid­Type­Passed­In]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckExceptionIsThrownIfInvalidTypePassedIn)

[[Insert­New­Demonstration­Step].[test Check­Step­Is­Inserted­Correctly]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckStepIsInsertedCorrectly)

[[Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Demonstration­Step No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewDemonstrationStep_NoException)

|  |
| --- |
| [questions].[Insert­New­Question] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Selected­Subject­ID | int | 4 |
| @Selected­Curriculum­ID | int | 4 |
| @Selected­Key­Stage­ID | int | 4 |
| @Selected­Explanation­ID | int | 4 |
| @New­Question | varchar(200) | 200 |
| @New­Answer | varchar(1500) | 1500 |
| @Amount­Of­Steps­Set | int | 4 |
| @Total­Marks­Set | int | 4 |
| @New­False­Answer­A | varchar(1500) | 1500 |
| @New­False­Answer­B | varchar(1500) | 1500 |
| @New­False­Answer­C | varchar(1500) | 1500 |
| @New­Search­String | varchar(300) | 300 |
| @New­Web­Link | varchar(300) | 300 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [questions].[Insert­New­Question]  (  @Selected­Subject­ID INT,  @Selected­Curriculum­ID INT,  @Selected­Key­Stage­ID INT,  @Selected­Explanation­ID INT,  @New­Question VARCHAR(200),  @New­Answer VARCHAR(1500),  @Amount­Of­Steps­Set INT,  @Total­Marks­Set INT,  @New­False­Answer­A VARCHAR(1500),  @New­False­Answer­B VARCHAR(1500),  @New­False­Answer­C VARCHAR(1500),  @New­Search­String VARCHAR(300),  @New­Web­Link VARCHAR(300)  )  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  BEGIN TRANSACTION  INSERT INTO questions.tbl­Question  (  Subject­ID,  Curriculum­ID,  Key­Stage­ID,  Explanation­ID,  Question,  Answer,  Amount­Of­Steps,  Total­Marks,  False­Answer­A,  False­Answer­B,  False­Answer­C,  Search­String,  Web­Link  )  VALUES (  @Selected­Subject­ID,  @Selected­Curriculum­ID,  @Selected­Key­Stage­ID,  @Selected­Explanation­ID,  @New­Question,  @New­Answer,  @Amount­Of­Steps­Set,  @Total­Marks­Set,  @New­False­Answer­A,  @New­False­Answer­B,  @New­False­Answer­C,  @New­Search­String,  @New­Web­Link  );    COMMIT TRANSACTION;  SELECT SCOPE\_­IDENTITY();  END TRY  BEGIN CATCH  IF (@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[questions].[tbl­Question]](#B3VZJY1/User_databases/App4Learn/Tables/tblQuestion)

[questions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/questions)

Used By

[[Insert­New­Question].[test Check­Exception­Thrown­If­Invalid­Type­Passed­In]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckExceptionThrownIfInvalidTypePassedIn)

[[Insert­New­Question].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_000b)

[[Insert­New­Question].[test Check­Question­Inserted­With­NULLSearch­String]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckQuestionInsertedWithNULLSearchString)

[[Insert­New­Question].[test Check­Question­Inserted­With­NULLWeb­Address]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckQuestionInsertedWithNULLWebAddress)

[[Insert­New­Question].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_000c)

[[Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Question No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewQuestion_NoException)

|  |
| --- |
| [SQLCop].[test Ad hoc distributed queries] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Ad hoc distributed queries]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://wiki.lessthandot.com/index.php/SQLCop\_informational\_checks#Ad\_­Hoc\_­Distributed\_­Queries  SET NOCOUNT ON;  DECLARE @Output VARCHAR(MAX) = '';  SELECT @Output = 'Status: Ad Hoc Distributed Queries are enabled'  FROM sys.configurations  WHERE name = 'Ad Hoc Distributed Queries'  AND value\_in\_use = 1;  IF (@Output > '')  BEGIN  SET @Output = CHAR(13) + CHAR(10) + 'For more information: '  + 'http://wiki.lessthandot.com/index.php/SQLCop\_informational\_checks#Ad\_­Hoc\_­Distributed\_­Queries'  + CHAR(13) + CHAR(10) + CHAR(13) + CHAR(10) + @Output;  EXEC t­SQLt.Fail @Output;  END;  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Auto close] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Auto close]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://blogs.lessthandot.com/index.php/Data­Mgmt/DBAdmin/sql-server-auto-close    SET NOCOUNT ON    Declare @Output Var­Char(max)  Set @Output = ''  Select @Output = @Output + 'Database set to Auto Close' + Char(13) + Char(10)  Where Database­Property(db\_name(), 'Is­Auto­Close') = 1  If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://blogs.lessthandot.com/index.php/Data­Mgmt/DBAdmin/sql-server-auto-close'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Auto create statistics] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Auto create statistics]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://www.sql-server-performance.com/tips/optimizing\_indexes\_general\_p1.aspx    SET NOCOUNT ON    Declare @Output Var­Char(max)  Set @Output = ''  Select @Output = @Output + 'Database not set to Auto Create Statistics' + Char(13) + Char(10)  Where Database­Property(db\_name(), 'Is­Auto­Create­Statistics') = 0    If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://www.sql-server-performance.com/tips/optimizing\_indexes\_general\_p1.aspx'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Auto Shrink] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Auto Shrink]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://www.sqlskills.com/blogs/paul/post/Auto-shrink-e28093-turn-it-OFF!.aspx    SET NOCOUNT ON    Declare @Output Var­Char(max)  Set @Output = ''  Select @Output = @Output + 'Database set to Auto Shrink' + Char(13) + Char(10)  Where Database­Property(db\_name(), 'Is­Auto­Shrink') = 1    If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://www.sqlskills.com/blogs/paul/post/Auto-shrink-e28093-turn-it-OFF!.aspx'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Auto update statistics] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Auto update statistics]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://www.microsoft.com/technet/abouttn/flash/tips/tips\_070604.mspx    SET NOCOUNT ON    Declare @Output Var­Char(max)  Set @Output = ''    Select @Output = @Output + 'Database not set to Auto Update Statistics' + Char(13) + Char(10)  Where Database­Property(db\_name(), 'Is­Auto­Update­Statistics') = 0    If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://www.microsoft.com/technet/abouttn/flash/tips/tips\_070604.mspx'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Buffer cache hit ratio] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Buffer cache hit ratio]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://blogs.lessthandot.com/index.php/Data­Mgmt/DBAdmin/MSSQLServer­Admin/use-sys-dm\_os\_performance\_counters-to-ge    SET NOCOUNT ON    Declare @Output Var­Char(max)  Set @Output = ''  If Exists(Select 1 From fn\_my\_permissions(NULL, 'SERVER') WHERE permission\_name = 'VIEW SERVER STATE')  SELECT @Output = Convert(DECIMAL(4,1), (a.cntr\_value \* 1.0 / b.cntr\_value) \* 100.0)  FROM sys.dm\_os\_performance\_counters a  JOIN (  SELECT cntr\_value,OBJECT\_­NAME  FROM sys.dm\_os\_performance\_counters  WHERE counter\_name collate SQL\_­LATIN1\_­GENERAL\_­CP1\_­CI\_­AI = 'Buffer cache hit ratio base'  AND OBJECT\_­NAME collate SQL\_­LATIN1\_­GENERAL\_­CP1\_­CI\_­AI like '%Buffer Manager%'  ) b  ON a.OBJECT\_­NAME = b.OBJECT\_­NAME  WHERE a.counter\_name collate SQL\_­LATIN1\_­GENERAL\_­CP1\_­CI\_­AI = 'Buffer cache hit ratio'  AND a.OBJECT\_­NAME collate SQL\_­LATIN1\_­GENERAL\_­CP1\_­CI\_­AI like '%:Buffer Manager%'  and Convert(DECIMAL(4,1), (a.cntr\_value \* 1.0 / b.cntr\_value) \* 100.0) < 95  Else  Set @Output = 'You do not have VIEW SERVER STATE permissions within this instance.'    If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://blogs.lessthandot.com/index.php/Data­Mgmt/DBAdmin/MSSQLServer­Admin/use-sys-dm\_os\_performance\_counters-to-ge'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Column collation does not match database default] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Column collation does not match database default]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/sql-server-collation-conflicts    SET NOCOUNT ON    DECLARE @Output Var­Char(max)  SET @Output = ''  SELECT @Output = @Output + C.TABLE\_­SCHEMA + '.' + C.TABLE\_­NAME + '.' + C.COLUMN\_­NAME + Char(13) + Char(10)  FROM INFORMATION\_­SCHEMA.COLUMNS C  INNER JOIN INFORMATION\_­SCHEMA.TABLES T  ON C.Table\_­Name = T.Table\_­Name  WHERE T.Table\_­Type = 'BASE TABLE'  AND COLLATION\_­NAME <> convert(Var­Char(100), DATABASEPROPERTYEX(db\_name(), 'Collation'))  AND COLUMNPROPERTY(OBJECT\_­ID(C.TABLE\_­NAME), COLUMN\_­NAME, 'Is­Computed') = 0  AND C.TABLE\_­SCHEMA <> 't­SQLt'  Order By C.TABLE\_­SCHEMA, C.TABLE\_­NAME, C.COLUMN\_­NAME    If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/sql-server-collation-conflicts'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End    END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Column data types (Numeric vs. Int)] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Column data types (Numeric vs. Int)]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/always-include-precision-and-scale-with    SET NOCOUNT ON    Declare @Output Var­Char(max)  Set @Output = ''  Select @Output = @Output + Problem­Item + Char(13) + Char(10)  From (  SELECT TABLE\_­SCHEMA + '.' + TABLE\_­NAME + '.' + COLUMN\_­NAME As Problem­Item  FROM INFORMATION\_­SCHEMA.COLUMNS C  WHERE C.DATA\_­TYPE IN ('numeric','decimal')  AND NUMERIC\_­SCALE = 0  AND NUMERIC\_­PRECISION <= 18  AND TABLE\_­SCHEMA <> 't­SQLt'  ) As Problems  Order By Problem­Item  If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://blogs.lessthandot.com/index.php/Data­Mgmt/Data­Design/sql-server-types-numeric-vs-int'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End    END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Column Name Problems] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Column Name Problems]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/do-not-use-spaces-or-other-invalid-chara    SET NOCOUNT ON    DECLARE @Output Var­Char(max)  SET @Output = ''    SELECT @Output = @Output + TABLE\_­SCHEMA + '.' + TABLE\_­NAME + '.' + COLUMN\_­NAME + Char(13) + Char(10)  FROM INFORMATION\_­SCHEMA.COLUMNS  WHERE COLUMN\_­NAME COLLATE SQL\_­LATIN1\_­GENERAL\_­CP1\_­CI\_­AI LIKE '%[^a-z0-9\_$]%'  And TABLE\_­SCHEMA <> 't­SQLt'  Order By TABLE\_­SCHEMA,TABLE\_­NAME,COLUMN\_­NAME  If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/do-not-use-spaces-or-other-invalid-chara'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End    END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Columns of data type Text/n­Text] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Columns of data type Text/n­Text]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/don-t-use-text-datatype-for-sql-2005-and    SET NOCOUNT ON    DECLARE @Output Var­Char(max)  SET @Output = ''  SELECT @Output = @Output + SCHEMA\_­NAME(o.uid) + '.' + o.Name + '.' + col.name + Char(13) + Char(10)  from syscolumns col  Inner Join sysobjects o  On col.id = o.id  inner join systypes  On col.xtype = systypes.xtype  Where o.type = 'U'  And Object­Property(o.id, N'Is­MSShipped') = 0  AND systypes.name IN ('text','ntext')  And SCHEMA\_­NAME(o.uid) <> 't­SQLt'  Order By SCHEMA\_­NAME(o.uid),o.Name, col.Name    If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/don-t-use-text-datatype-for-sql-2005-and'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End    END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Columns with float data type] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Columns with float data type]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/do-not-use-the-float-data-type    SET NOCOUNT ON    DECLARE @Output Var­Char(max)  SET @Output = ''    SELECT @Output = @Output + TABLE\_­SCHEMA + '.' + TABLE\_­NAME + '.' + COLUMN\_­NAME + Char(13) + Char(10)  FROM INFORMATION\_­SCHEMA.COLUMNS  WHERE DATA\_­TYPE IN ('float', 'real')  AND TABLE\_­SCHEMA <> 't­SQLt'  Order By TABLE\_­SCHEMA,TABLE\_­NAME,COLUMN\_­NAME  If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/do-not-use-the-float-data-type'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End    END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Columns with image data type] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Columns with image data type]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/don-t-use-text-datatype-for-sql-2005-and    SET NOCOUNT ON    DECLARE @Output Var­Char(max)  SET @Output = ''  SELECT @Output = @Output + SCHEMA\_­NAME(o.uid) + '.' + o.Name + '.' + col.name  from syscolumns col  Inner Join sysobjects o  On col.id = o.id  inner join systypes  On col.xtype = systypes.xtype  Where o.type = 'U'  And Object­Property(o.id, N'Is­MSShipped') = 0  And systypes.name In ('image')  And SCHEMA\_­NAME(o.uid) <> 't­SQLt'  Order By SCHEMA\_­NAME(o.uid),o.Name, col.Name    If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/don-t-use-text-datatype-for-sql-2005-and'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End    END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Compatibility Level] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Compatibility Level]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://wiki.lessthandot.com/index.php/Database\_compatibilty\_level    SET NOCOUNT ON    Declare @Output Var­Char(max)  Set @Output = ''  Select @Output = @Output + Name + Char(13) + Char(10)  FROM master.dbo.sysdatabases  WHERE cmptlevel != 10 \* CONVERT(Int, CONVERT(FLOAT, CONVERT(VARCHAR(3), SERVERPROPERTY('productversion'))))  If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://wiki.lessthandot.com/index.php/Database\_compatibilty\_level'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End    END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Database collation] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Database collation]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/collation-conflicts-with-temp-tables-and    SET NOCOUNT ON    Declare @Output Var­Char(max)  Set @Output = ''  Select @Output = @Output + 'Warning: Collation conflict between user database and Temp­DB' + Char(13) + Char(10)  Where Database­Property­Ex('Temp­DB', 'Collation') <> Database­Property­Ex(db\_name(), 'Collation')    If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/collation-conflicts-with-temp-tables-and'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Database Mail] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Database Mail]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://wiki.lessthandot.com/index.php/SQLCop\_informational\_checks#Database\_­Mail\_­XPs    SET NOCOUNT ON    Declare @Output Var­Char(max)  Set @Output = ''  select @Output = @Output + 'Status: Database Mail procedures are enabled' + Char(13) + Char(10)  from sys.configurations  where name = 'Database Mail XPs'  and value\_in\_use = 1    If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://wiki.lessthandot.com/index.php/SQLCop\_informational\_checks#Database\_­Mail\_­XPs'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End    END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Decimal Size Problem] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Decimal Size Problem]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/always-include-precision-and-scale-with    SET NOCOUNT ON  Declare @Output Var­Char(max)  Set @Output = ''    Select @Output = @Output + Schema\_­Name(schema\_id) + '.' + name + Char(13) + Char(10)  From sys.objects  WHERE schema\_id <> Schema\_­ID('SQLCop')  And schema\_id <> Schema\_­Id('t­SQLt')  and (  REPLACE(REPLACE(Object\_­Definition(object\_id), ' ', ''), 'decimal]','decimal') COLLATE SQL\_­LATIN1\_­GENERAL\_­CP1\_­CI\_­AI LIKE '%decimal[^(]%'  Or REPLACE(REPLACE(Object\_­Definition(object\_id), ' ', ''), 'numeric]','numeric') COLLATE SQL\_­LATIN1\_­GENERAL\_­CP1\_­CI\_­AI LIKE '%[^i][^s]numeric[^(]%'  )  Order By Schema\_­Name(schema\_id), name  If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/always-include-precision-and-scale-with'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Forwarded Records] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Forwarded Records]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://wiki.lessthandot.com/index.php/Finding\_­Forwarded\_­Records\_­SQL\_­Server\_2008    SET NOCOUNT ON    DECLARE @Output Var­Char(max)  SET @Output = ''  If Exists(Select cmptlevel from master.dbo.sysdatabases Where dbid = db\_­ID() And cmptlevel > 80)  Begin  Create Table #Results(Problem­Item Var­Char(1000))    Insert Into #Results(Problem­Item)  Exec (' SELECT SCHEMA\_­NAME(O.Schema\_­Id) + ''.'' + O.name As Problem­Item  FROM sys.dm\_db\_index\_physical\_stats (DB\_­ID(), NULL, NULL, NULL, ''DETAILED'') AS ps  INNER JOIN sys.indexes AS i  ON ps.OBJECT\_­ID = i.OBJECT\_­ID  AND ps.index\_id = i.index\_id  INNER JOIN sys.objects as O  On i.OBJECT\_­ID = O.OBJECT\_­ID  WHERE ps.forwarded\_record\_count > 0  Order By SCHEMA\_­NAME(O.Schema\_­Id),O.name')    If Exists(Select 1 From #Results)  Select @Output = @Output + Problem­Item + Char(13) + Char(10)  From #Results    End  Else  Set @Output = 'Unable to check index forwarded records when compatibility is set to 80 or below'  If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://wiki.lessthandot.com/index.php/Finding\_­Forwarded\_­Records\_­SQL\_­Server\_2008'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End    END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Fragmented Indexes] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Fragmented Indexes]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://wiki.lessthandot.com/index.php/Finding\_­Fragmentation\_­Of\_­An\_­Index\_­And\_­Fixing\_­It    SET NOCOUNT ON    DECLARE @Output Var­Char(max)  SET @Output = ''  Create Table #Result (Problem­Item Var­Char(1000))    If Exists(Select cmptlevel from master.dbo.sysdatabases Where dbid = db\_­ID() And cmptlevel > 80)  If Exists(Select 1 From fn\_my\_permissions(NULL, 'DATABASE') WHERE permission\_name = 'VIEW DATABASE STATE')  Begin  Insert Into #Result(Problem­Item)  Exec('  SELECT OBJECT\_­NAME(OBJECT\_­ID) + ''.'' + s.name As Problem­Item  FROM sys.dm\_db\_index\_physical\_stats (DB\_­ID(), NULL, NULL , NULL, N''LIMITED'') d  join sysindexes s  ON d.OBJECT\_­ID = s.id  and d.index\_id = s.indid  Where avg\_fragmentation\_in\_percent >= 30  And OBJECT\_­NAME(OBJECT\_­ID) + ''.'' + s.name > ''''  And page\_count > 1000  Order By Object\_­Name(OBJECT\_­ID), s.name')  End  Else  Set @Output = 'You do not have VIEW DATABASE STATE permissions within this database'  Else  Set @Output = 'Unable to check index fragmentation when compatibility is set to 80 or below'    If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://wiki.lessthandot.com/index.php/Finding\_­Fragmentation\_­Of\_­An\_­Index\_­And\_­Fixing\_­It'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Login Language] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Login Language]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://blogs.lessthandot.com/index.php/Data­Mgmt/Data­Design/setting-a-standard-dateformat-for-sql-se    SET NOCOUNT ON    Declare @Output Var­Char(max)  Declare @Default­Language Var­Char(100)    Set @Output = ''    Select @Default­Language = L.Name  From master.dbo.sysconfigures C  Inner Join master.dbo.syslanguages L  On C.Value = L.Lang­Id  And C.Comment = 'default Language'  Select @Output = @Output + Name + Char(13) + Char(10)  From master..syslogins  Where Language <> @Default­Language  Order By Name    If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://blogs.lessthandot.com/index.php/Data­Mgmt/Data­Design/setting-a-standard-dateformat-for-sql-se'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Missing Foreign Key Indexes] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Missing Foreign Key Indexes]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://www.jasonstrate.com/2010/06/index-those-foreign-keys/    SET NOCOUNT ON    DECLARE @Output Var­Char(max)  SET @Output = ''  If Exists(Select 1 From fn\_my\_permissions(NULL, 'DATABASE') WHERE permission\_name = 'VIEW DATABASE STATE')  SELECT @Output = @Output + Convert(Var­Char(300), fk.foreign\_key\_name) + Char(13) + Char(10)  FROM (  SELECT fk.name AS foreign\_key\_name,  'PARENT' as foreign\_key\_type,  fkc.parent\_object\_id AS object\_id,  STUFF(( SELECT ', ' + QUOTENAME(c.name)  FROM sys.foreign\_key\_columns ifkc  INNER JOIN sys.columns c  ON ifkc.parent\_object\_id = c.object\_id  AND ifkc.parent\_column\_id = c.column\_id  WHERE fk.object\_id = ifkc.constraint\_object\_id  ORDER BY ifkc.constraint\_column\_id  FOR XML PATH('')), 1, 2, '') AS fk\_columns,  ( SELECT QUOTENAME(ifkc.parent\_column\_id,'(')  FROM sys.foreign\_key\_columns ifkc  WHERE fk.object\_id = ifkc.constraint\_object\_id  ORDER BY ifkc.constraint\_column\_id  FOR XML PATH('')) AS fk\_columns\_compare  FROM sys.foreign\_keys fk  INNER JOIN sys.foreign\_key\_columns fkc  ON fk.object\_id = fkc.constraint\_object\_id  WHERE fkc.constraint\_column\_id = 1  UNION ALL  SELECT fk.name AS foreign\_key\_name,  'REFERENCED' as foreign\_key\_type,  fkc.referenced\_object\_id AS object\_id,  STUFF(( SELECT ', ' + QUOTENAME(c.name)  FROM sys.foreign\_key\_columns ifkc  INNER JOIN sys.columns c  ON ifkc.referenced\_object\_id = c.object\_id  AND ifkc.referenced\_column\_id = c.column\_id  WHERE fk.object\_id = ifkc.constraint\_object\_id  ORDER BY ifkc.constraint\_column\_id  FOR XML PATH('')), 1, 2, '') AS fk\_columns,  ( SELECT QUOTENAME(ifkc.referenced\_column\_id,'(')  FROM sys.foreign\_key\_columns ifkc  WHERE fk.object\_id = ifkc.constraint\_object\_id  ORDER BY ifkc.constraint\_column\_id  FOR XML PATH('')) AS fk\_columns\_compare  FROM sys.foreign\_keys fk  INNER JOIN sys.foreign\_key\_columns fkc  ON fk.object\_id = fkc.constraint\_object\_id  WHERE fkc.constraint\_column\_id = 1  ) fk  INNER JOIN (  SELECT object\_id,  SUM(row\_count) AS row\_count  FROM sys.dm\_db\_partition\_stats ps  WHERE index\_id IN (1,0)  GROUP BY object\_id  ) rc  ON fk.object\_id = rc.object\_id  LEFT OUTER JOIN (  SELECT i.object\_id,  i.name,  (  SELECT QUOTENAME(ic.column\_id,'(')  FROM sys.index\_columns ic  WHERE i.object\_id = ic.object\_id  AND i.index\_id = ic.index\_id  AND is\_included\_column = 0  ORDER BY key\_ordinal ASC  FOR XML PATH('')  ) AS indexed\_compare  FROM sys.indexes i  ) i  ON fk.object\_id = i.object\_id  AND i.indexed\_compare LIKE fk.fk\_columns\_compare + '%'  WHERE i.name IS NULL  ORDER BY OBJECT\_­NAME(fk.object\_id), fk.fk\_columns  Else  Set @Output = 'You do not have VIEW DATABASE STATE permissions within this database'  If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://www.jasonstrate.com/2010/06/index-those-foreign-keys/'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Missing Foreign Keys] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Missing Foreign Keys]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://blogs.lessthandot.com/index.php/Data­Mgmt/Data­Design/missing-foreign-key-constraints    SET NOCOUNT ON    DECLARE @Output Var­Char(max)  DECLARE @Acceptable­Symbols VARCHAR(100)  SET @Acceptable­Symbols = '\_$'  SET @Output = ''  SELECT @Output = @Output + C.TABLE\_­SCHEMA + '.' + C.TABLE\_­NAME + '.' + C.COLUMN\_­NAME + Char(13) + Char(10)  FROM INFORMATION\_­SCHEMA.COLUMNS C  INNER Join INFORMATION\_­SCHEMA.TABLES T  ON C.TABLE\_­NAME = T.TABLE\_­NAME  AND T.TABLE\_­TYPE = 'BASE TABLE'  AND T.TABLE\_­SCHEMA = C.TABLE\_­SCHEMA  LEFT Join INFORMATION\_­SCHEMA.CONSTRAINT\_­COLUMN\_­USAGE U  ON C.TABLE\_­NAME = U.TABLE\_­NAME  AND C.COLUMN\_­NAME = U.COLUMN\_­NAME  AND U.TABLE\_­SCHEMA = C.TABLE\_­SCHEMA  WHERE U.COLUMN\_­NAME IS Null  And C.TABLE\_­SCHEMA <> 't­SQLt'  AND C.COLUMN\_­NAME COLLATE SQL\_­LATIN1\_­GENERAL\_­CP1\_­CI\_­AI Like '%id'  ORDER BY C.TABLE\_­SCHEMA, C.TABLE\_­NAME, C.COLUMN\_­NAME  If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://blogs.lessthandot.com/index.php/Data­Mgmt/Data­Design/missing-foreign-key-constraints'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End    END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Ole Automation Procedures] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Ole Automation Procedures]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://wiki.lessthandot.com/index.php/SQLCop\_informational\_checks#Ole\_­Automation\_­Procedures    SET NOCOUNT ON    Declare @Output Var­Char(max)  Set @Output = ''  select @Output = @Output + 'Warning: Ole Automation procedures are enabled' + Char(13) + Char(10)  from sys.configurations  where name = 'Ole Automation Procedures'  and value\_in\_use = 1    If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://wiki.lessthandot.com/index.php/SQLCop\_informational\_checks#Ole\_­Automation\_­Procedures'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Orphaned Users] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Orphaned Users]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://wiki.lessthandot.com/index.php/Fix\_­Orphaned\_­Database\_­Users    SET NOCOUNT ON    Declare @Output Var­Char(max)  Set @Output = ''  Set NOCOUNT ON  If is\_rolemember('db\_owner') = 1  Begin  Declare @Temp Table(User­Name sysname, User­Sid Var­Binary(85))  Insert Into @Temp Exec sp\_change\_users\_login 'report'  Select @Output = @Output + User­Name + Char(13) + Char(10)  From @Temp  Order By User­Name  End  Else  Set @Output = 'Only members of db\_owner can perform this check.'    If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://wiki.lessthandot.com/index.php/Fix\_­Orphaned\_­Database\_­Users'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End    END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Page life expectancy] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Page life expectancy]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://blogs.lessthandot.com/index.php/Data­Mgmt/DBAdmin/MSSQLServer­Admin/use-sys-dm\_os\_performance\_counters-to-ge#PLE    SET NOCOUNT ON    Declare @Output Var­Char(max)  Set @Output = ''  If Exists(Select 1 From fn\_my\_permissions(NULL, 'SERVER') WHERE permission\_name = 'VIEW SERVER STATE')  SELECT @Output = @Output + Convert(Var­Char(100), cntr\_value) + Char(13) + Char(10)  FROM sys.dm\_os\_performance\_counters  WHERE counter\_name collate SQL\_­LATIN1\_­GENERAL\_­CP1\_­CI\_­AI = 'Page life expectancy'  AND OBJECT\_­NAME collate SQL\_­LATIN1\_­GENERAL\_­CP1\_­CI\_­AI like '%:Buffer Manager%'  And cntr\_value <= 300  Else  Set @Output = 'You do not have VIEW SERVER STATE permissions within this instance.'    If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://blogs.lessthandot.com/index.php/Data­Mgmt/DBAdmin/MSSQLServer­Admin/use-sys-dm\_os\_performance\_counters-to-ge#PLE'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Procedures Named SP\_] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Procedures Named SP\_]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/MSSQLServer/don-t-start-your-procedures-with-sp\_    SET NOCOUNT ON    Declare @Output Var­Char(max)  Set @Output = ''    SELECT @Output = @Output + SPECIFIC\_­SCHEMA + '.' + SPECIFIC\_­NAME + Char(13) + Char(10)  From INFORMATION\_­SCHEMA.ROUTINES  Where SPECIFIC\_­NAME COLLATE SQL\_­LATIN1\_­GENERAL\_­CP1\_­CI\_­AI LIKE 'sp[\_]%'  And SPECIFIC\_­NAME COLLATE SQL\_­LATIN1\_­GENERAL\_­CP1\_­CI\_­AI NOT LIKE '%diagram%'  AND ROUTINE\_­SCHEMA <> 't­SQLt'  Order By SPECIFIC\_­SCHEMA,SPECIFIC\_­NAME  If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/MSSQLServer/don-t-start-your-procedures-with-sp\_'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Procedures that call undocumented procedures] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Procedures that call undocumented procedures]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://blogs.lessthandot.com/index.php/Data­Mgmt/Data­Design/identify-procedures-that-call-sql-server    SET NOCOUNT ON  Declare @Output Var­Char(max)  Set @Output = ''  DECLARE @Temp TABLE(Procedure­Name VARCHAR(50))  INSERT INTO @Temp VALUES('sp\_­MStablespace')  INSERT INTO @Temp VALUES('sp\_who2')  INSERT INTO @Temp VALUES('sp\_tempdbspace')  INSERT INTO @Temp VALUES('sp\_­MSkilldb')  INSERT INTO @Temp VALUES('sp\_­MSindexspace')  INSERT INTO @Temp VALUES('sp\_­MShelptype')  INSERT INTO @Temp VALUES('sp\_­MShelpindex')  INSERT INTO @Temp VALUES('sp\_­MShelpcolumns')  INSERT INTO @Temp VALUES('sp\_­MSforeachtable')  INSERT INTO @Temp VALUES('sp\_­MSforeachdb')  INSERT INTO @Temp VALUES('sp\_fixindex')  INSERT INTO @Temp VALUES('sp\_columns\_rowset')  INSERT INTO @Temp VALUES('sp\_­MScheck\_uid\_owns\_anything')  INSERT INTO @Temp VALUES('sp\_­MSgettools\_path')  INSERT INTO @Temp VALUES('sp\_gettypestring')  INSERT INTO @Temp VALUES('sp\_­MSdrop\_object')  INSERT INTO @Temp VALUES('sp\_­MSget\_qualified\_name')  INSERT INTO @Temp VALUES('sp\_­MSgetversion')  INSERT INTO @Temp VALUES('xp\_dirtree')  INSERT INTO @Temp VALUES('xp\_subdirs')  INSERT INTO @Temp VALUES('xp\_enum\_oledb\_providers')  INSERT INTO @Temp VALUES('xp\_enumcodepages')  INSERT INTO @Temp VALUES('xp\_enumdsn')  INSERT INTO @Temp VALUES('xp\_enumerrorlogs')  INSERT INTO @Temp VALUES('xp\_enumgroups')  INSERT INTO @Temp VALUES('xp\_fileexist')  INSERT INTO @Temp VALUES('xp\_fixeddrives')  INSERT INTO @Temp VALUES('xp\_getnetname')  INSERT INTO @Temp VALUES('xp\_readerrorlog')  INSERT INTO @Temp VALUES('sp\_msdependencies')  INSERT INTO @Temp VALUES('xp\_qv')  INSERT INTO @Temp VALUES('xp\_delete\_file')  INSERT INTO @Temp VALUES('sp\_checknames')  INSERT INTO @Temp VALUES('sp\_enumoledbdatasources')  INSERT INTO @Temp VALUES('sp\_­MS\_marksystemobject')  INSERT INTO @Temp VALUES('sp\_­MSaddguidcolumn')  INSERT INTO @Temp VALUES('sp\_­MSaddguidindex')  INSERT INTO @Temp VALUES('sp\_­MSaddlogin\_implicit\_ntlogin')  INSERT INTO @Temp VALUES('sp\_­MSadduser\_implicit\_ntlogin')  INSERT INTO @Temp VALUES('sp\_­MSdbuseraccess')  INSERT INTO @Temp VALUES('sp\_­MSdbuserpriv')  INSERT INTO @Temp VALUES('sp\_­MSloginmappings')  INSERT INTO @Temp VALUES('sp\_­MStablekeys')  INSERT INTO @Temp VALUES('sp\_­MStablerefs')  INSERT INTO @Temp VALUES('sp\_­MSuniquetempname')  INSERT INTO @Temp VALUES('sp\_­MSuniqueobjectname')  INSERT INTO @Temp VALUES('sp\_­MSuniquecolname')  INSERT INTO @Temp VALUES('sp\_­MSuniquename')  INSERT INTO @Temp VALUES('sp\_­MSunc\_to\_drive')  INSERT INTO @Temp VALUES('sp\_­MSis\_pk\_col')  INSERT INTO @Temp VALUES('xp\_get\_­MAPI\_default\_profile')  INSERT INTO @Temp VALUES('xp\_get\_­MAPI\_profiles')  INSERT INTO @Temp VALUES('xp\_regdeletekey')  INSERT INTO @Temp VALUES('xp\_regdeletevalue')  INSERT INTO @Temp VALUES('xp\_regread')  INSERT INTO @Temp VALUES('xp\_regenumvalues')  INSERT INTO @Temp VALUES('xp\_regaddmultistring')  INSERT INTO @Temp VALUES('xp\_regremovemultistring')  INSERT INTO @Temp VALUES('xp\_regwrite')  INSERT INTO @Temp VALUES('xp\_varbintohexstr')  INSERT INTO @Temp VALUES('sp\_­MSguidtostr')  Select @Output = @Output + u.name + '.' + o.name + Char(13) + Char(10)  FROM sysobjects o  INNER JOIN syscomments c  ON o.id = c.id  AND o.xtype = 'P'  INNER JOIN sysusers u  ON o.uid = u.uid  INNER JOIN @Temp t  ON c.text COLLATE SQL\_­LATIN1\_­GENERAL\_­CP1\_­CI\_­AI LIKE '%' + t.Procedure­Name + '%'  WHERE xtype = 'P'  AND OBJECTPROPERTY(o.id, N'Is­MSShipped') = 0  AND u.name <> 't­SQLt'  ORDER BY u.name + '.' + o.Name  If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://blogs.lessthandot.com/index.php/Data­Mgmt/Data­Design/identify-procedures-that-call-sql-server'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Procedures using dynamic SQL without sp\_executesql] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Procedures using dynamic SQL without sp\_executesql]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://blogs.lessthandot.com/index.php/Data­Mgmt/Data­Design/avoid-conversions-in-execution-plans-by-    SET NOCOUNT ON    Declare @Output Var­Char(max)  Set @Output = ''  SELECT @Output = @Output + SCHEMA\_­NAME(so.uid) + '.' + so.name + Char(13) + Char(10)  From sys.sql\_modules sm  Inner Join sys.sysobjects so  On sm.object\_id = so.id  And so.type = 'P'  Where so.uid <> Schema\_­Id('t­SQLt')  And so.uid <> Schema\_­Id('SQLCop')  And Replace(sm.definition, ' ', '') COLLATE SQL\_­LATIN1\_­GENERAL\_­CP1\_­CI\_­AI Like '%Exec(%'  And Replace(sm.definition, ' ', '') COLLATE SQL\_­LATIN1\_­GENERAL\_­CP1\_­CI\_­AI Not Like '%sp\_­Executesql%'  And OBJECTPROPERTY(so.id, N'Is­MSShipped') = 0  Order By SCHEMA\_­NAME(so.uid),so.name  If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://blogs.lessthandot.com/index.php/Data­Mgmt/Data­Design/avoid-conversions-in-execution-plans-by-'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End    END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Procedures with @@Identity] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Procedures with @@Identity]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://wiki.lessthandot.com/index.php/6\_­Different\_­Ways\_­To\_­Get\_­The\_­Current\_­Identity\_­Value    SET NOCOUNT ON  Declare @Output Var­Char(max)  Set @Output = ''  Select @Output = @Output + Schema\_­Name(schema\_id) + '.' + name + Char(13) + Char(10)  From sys.all\_objects  Where type = 'P'  AND name Not In('sp\_helpdiagrams','sp\_upgraddiagrams','sp\_creatediagram','test­Procedures with @@Identity')  And Object\_­Definition(object\_id) COLLATE SQL\_­LATIN1\_­GENERAL\_­CP1\_­CI\_­AI Like '%@@identity%'  And is\_ms\_shipped = 0  and schema\_id <> Schema\_id('t­SQLt')  and schema\_id <> Schema\_id('SQLCop')  ORDER BY Schema\_­Name(schema\_id), name  If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://wiki.lessthandot.com/index.php/6\_­Different\_­Ways\_­To\_­Get\_­The\_­Current\_­Identity\_­Value'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End    END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Procedures With SET ROWCOUNT] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Procedures With SET ROWCOUNT]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://sqltips.wordpress.com/2007/08/19/set-rowcount-will-not-be-supported-in-future-version-of-sql-server/    SET NOCOUNT ON  Declare @Output Var­Char(max)  Set @Output = ''    SELECT @Output = @Output + Schema\_­Name(schema\_id) + '.' + name + Char(13) + Char(10)  From sys.all\_objects  Where type = 'P'  AND name Not In('sp\_helpdiagrams','sp\_upgraddiagrams','sp\_creatediagram','test­Procedures With SET ROWCOUNT')  And Replace(Object\_­Definition(Object\_id), ' ', '') COLLATE SQL\_­LATIN1\_­GENERAL\_­CP1\_­CI\_­AI Like '%SETROWCOUNT%'  And is\_ms\_shipped = 0  and schema\_id <> Schema\_id('t­SQLt')  and schema\_id <> Schema\_id('SQLCop')  ORDER BY Schema\_­Name(schema\_id) + '.' + name  If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://sqltips.wordpress.com/2007/08/19/set-rowcount-will-not-be-supported-in-future-version-of-sql-server/'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Procedures without SET NOCOUNT ON] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Procedures without SET NOCOUNT ON]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://wiki.lessthandot.com/index.php/Optimization:\_­Set\_­Nocount\_­On    SET NOCOUNT ON  Declare @Output Var­Char(max)  Set @Output = ''    SELECT @Output = @Output + Schema\_­Name(schema\_id) + '.' + name + Char(13) + Char(10)  From sys.all\_objects  Where Type = 'P'  AND name Not In('sp\_helpdiagrams','sp\_upgraddiagrams','sp\_creatediagram','test­Procedures without SET NOCOUNT ON')  And Object\_­Definition(Object\_id) COLLATE SQL\_­LATIN1\_­GENERAL\_­CP1\_­CI\_­AI not Like '%SET NOCOUNT ON%'  And is\_ms\_shipped = 0  and schema\_id <> Schema\_id('t­SQLt')  and schema\_id <> Schema\_id('SQLCop')  ORDER BY Schema\_­Name(schema\_id) + '.' + name  If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://wiki.lessthandot.com/index.php/Optimization:\_­Set\_­Nocount\_­On'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End    END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Service Account] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Service Account]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://msdn.microsoft.com/en-us/library/ms143504.aspx#Use\_startup\_accounts    SET NOCOUNT ON  Declare @Output Var­Char(max)  Set @Output = ''  --Declare a variable to hold the value  DECLARE @Service­Account varchar(100)  --Retrieve the Service account from registry  EXECUTE master.dbo.xp\_instance\_regread  N'HKEY\_­LOCAL\_­MACHINE',  N'SYSTEM\Current­Control­Set\Services\MSSQLSERVER',  N'Object­Name',  @Service­Account OUTPUT,  N'no\_output'  --Display the Service Account  SELECT @Output = 'Service account set to Local­System'  Where @Service­Account = 'Local­System'    If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://msdn.microsoft.com/en-us/library/ms143504.aspx#Use\_startup\_accounts'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End    END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Table name problems] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Table name problems]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/do-not-use-spaces-or-other-invalid-chara    SET NOCOUNT ON    DECLARE @Output Var­Char(max)  DECLARE @Acceptable­Symbols VARCHAR(100)  SET @Acceptable­Symbols = '\_$'  SET @Output = ''  SELECT @Output = @Output + TABLE\_­SCHEMA + '.' + TABLE\_­NAME + Char(13) + Char(10)  FROM INFORMATION\_­SCHEMA.TABLES  WHERE TABLE\_­NAME COLLATE SQL\_­LATIN1\_­GENERAL\_­CP1\_­CI\_­AI Like '%[^a-z' + @Acceptable­Symbols + ']%'  AND TABLE\_­SCHEMA <> 't­SQLt'  ORDER BY TABLE\_­SCHEMA,TABLE\_­NAME  If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/do-not-use-spaces-or-other-invalid-chara'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Tables without a primary key] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Tables without a primary key]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/best-practice-every-table-should-have-a  SET NOCOUNT ON;  DECLARE  @Output VARCHAR (MAX) = '';  SELECT @Output = @Output + su.name + '.' + All­Tables.Name + CHAR (13) + CHAR (10)  FROM (  SELECT Name,  id,  uid  FROM sysobjects  WHERE xtype = 'U') AS All­Tables  INNER JOIN sysusers AS su ON All­Tables.uid = su.uid  LEFT JOIN (  SELECT parent\_obj  FROM sysobjects  WHERE xtype = 'PK') AS Primary­Keys ON All­Tables.id = Primary­Keys.parent\_obj  WHERE Primary­Keys.parent\_obj IS NULL  AND su.name <> 't­SQLt'  and All­Tables.Name NOT IN ('Private\_­Expect­Exception', 'Private\_­Null­Cell­Table', 'Run\_­Last­Execution', 'Test­Message')  ORDER BY su.name, All­Tables.Name;  IF(@Output > '')  BEGIN  SET @Output = CHAR (13) + CHAR (10) + 'For more information: ' + 'http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/best-practice-every-table-should-have-a' + CHAR (13) + CHAR (10) + CHAR (13) + CHAR (10) + @Output;  EXEC t­SQLt.Fail @Output;  END;  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Unique­Identifier with New­Id] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Unique­Identifier with New­Id]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/best-practice-don-t-not-cluster-on-uniqu    SET NOCOUNT ON    DECLARE @Output Var­Char(max)  SET @Output = ''  SELECT @Output = @Output + so.name + '.' + col.name + Char(13) + Char(10)  FROM sysobjects so  INNER JOIN sysindexes sind  ON so.id=sind.id  INNER JOIN sysindexkeys sik  ON sind.id=sik.id  AND sind.indid=sik.indid  INNER JOIN syscolumns col  ON col.id=sik.id  AND col.colid=sik.colid  INNER JOIN systypes  ON col.xtype = systypes.xtype  INNER JOIN syscomments  ON col.cdefault = syscomments.id  WHERE sind.Status & 16 = 16  AND systypes.name = 'uniqueidentifier'  AND keyno = 1  AND sind.Orig­Fill­Factor = 0  AND syscomments.TEXT COLLATE SQL\_­LATIN1\_­GENERAL\_­CP1\_­CI\_­AI Like '%newid%'  and so.name <> 't­SQLt'  ORDER BY so.name, sik.keyno  If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/best-practice-don-t-not-cluster-on-uniqu'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Unnamed Constraints] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Unnamed Constraints]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/how-to-name-default-constraints-and-how-    SET NOCOUNT ON    DECLARE @Output Var­Char(max)  SET @Output = ''  SELECT @Output = @Output + CONSTRAINT\_­SCHEMA + '.' + CONSTRAINT\_­NAME + Char(13) + Char(10)  From INFORMATION\_­SCHEMA.CONSTRAINT\_­TABLE\_­USAGE  Where CONSTRAINT\_­NAME collate sql\_latin1\_general\_­CP1\_­CI\_­AI Like '%[\_][0-9a-f][0-9a-f][0-9a-f][0-9a-f][0-9a-f][0-9a-f][0-9a-f][0-9a-f]'  And TABLE\_­NAME <> 'sysdiagrams'  And CONSTRAINT\_­SCHEMA <> 't­SQLt'  Order By CONSTRAINT\_­SCHEMA,CONSTRAINT\_­NAME  If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://blogs.lessthandot.com/index.php/Data­Mgmt/DBProgramming/how-to-name-default-constraints-and-how-'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End    END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test User Aliases] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test User Aliases]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://www.mssqltips.com/tip.asp?tip=1675    SET NOCOUNT ON    Declare @Output Var­Char(max)  Set @Output = ''  Select @Output = @Output + Name + Char(13) + Char(10)  From sysusers  Where Is­Aliased = 1  Order By Name    If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://www.mssqltips.com/tip.asp?tip=1675'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Views with order by] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Views with order by]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://blogs.lessthandot.com/index.php/Data­Mgmt/Data­Design/create-a-sorted-view-in-sql-server-2005--2008    SET NOCOUNT ON    DECLARE @Output Var­Char(max)  SET @Output = ''  SELECT @Output = @Output + sysusers.name + '.' + sysobjects.name + Char(13) + Char(10)  FROM sysobjects  INNER JOIN syscomments  ON sysobjects.id = syscomments.id  INNER JOIN sysusers  ON sysobjects.uid = sysusers.uid  WHERE xtype = 'V'  and syscomments.text COLLATE SQL\_­LATIN1\_­GENERAL\_­CP1\_­CI\_­AI like '%order by%'  and sysusers.name <> 't­SQLt'  ORDER BY sysusers.name,sysobjects.name  If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://blogs.lessthandot.com/index.php/Data­Mgmt/Data­Design/create-a-sorted-view-in-sql-server-2005--2008'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test Wide Table] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test Wide Table]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://wiki.lessthandot.com/index.php/SQLCop\_wide\_table\_check    SET NOCOUNT ON    DECLARE @Output Var­Char(max)  SET @Output = ''  Select @Output = @Output + C.TABLE\_­SCHEMA + '.' + C.TABLE\_­NAME + Char(13) + Char(10)  From INFORMATION\_­SCHEMA.TABLES T  INNER JOIN INFORMATION\_­SCHEMA.COLUMNS C  On T.TABLE\_­NAME = C.TABLE\_­NAME  AND T.TABLE\_­SCHEMA = C.TABLE\_­SCHEMA  And T.TABLE\_­TYPE = 'BASE TABLE'  INNER JOIN systypes S  On C.DATA\_­TYPE = S.name  WHERE C.TABLE\_­SCHEMA <> 't­SQLt'  GROUP BY C.TABLE\_­SCHEMA,C.TABLE\_­NAME  HAVING SUM(ISNULL(NULLIF(CONVERT(BIGINT,S.Length), 8000), 0) + ISNULL(NULLIF(C.CHARACTER\_­MAXIMUM\_­LENGTH, 2147483647), 0)) > 8060  ORDER BY C.TABLE\_­SCHEMA,C.TABLE\_­NAME  If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://wiki.lessthandot.com/index.php/SQLCop\_wide\_table\_check'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [SQLCop].[test xp\_cmdshell is enabled] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [SQLCop].[test xp\_cmdshell is enabled]  AS  BEGIN  -- Written by George Mastros  -- February 25, 2012  -- http://sqlcop.lessthandot.com  -- http://wiki.lessthandot.com/index.php/SQLCop\_informational\_checks#xp\_cmdshell    SET NOCOUNT ON    Declare @Output Var­Char(max)  Set @Output = ''  select @Output = @Output + 'Warning: xp\_cmdshell is enabled' + Char(13) + Char(10)  from sys.configurations  where name = 'xp\_cmdshell'  and value\_in\_use = 1    If @Output > ''  Begin  Set @Output = Char(13) + Char(10)  + 'For more information: '  + 'http://wiki.lessthandot.com/index.php/SQLCop\_informational\_checks#xp\_cmdshell'  + Char(13) + Char(10)  + Char(13) + Char(10)  + @Output  EXEC t­SQLt.Fail @Output  End  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop)

|  |
| --- |
| [t­SQLt].[Apply­Constraint] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Table­Name | nvarchar(max) | max |
| @Constraint­Name | nvarchar(max) | max |
| @Schema­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Apply­Constraint]  @Table­Name NVARCHAR(MAX),  @Constraint­Name NVARCHAR(MAX),  @Schema­Name NVARCHAR(MAX) = NULL --parameter preserved for backward compatibility. Do not use. Will be removed soon.  AS  BEGIN  DECLARE @Constraint­Type NVARCHAR(MAX);  DECLARE @Constraint­Object­Id INT;    SELECT @Constraint­Type = Constraint­Type, @Constraint­Object­Id = Constraint­Object­Id  FROM t­SQLt.Private\_­Resolve­Apply­Constraint­Parameters (@Table­Name, @Constraint­Name, @Schema­Name);  IF @Constraint­Type = 'CHECK\_­CONSTRAINT'  BEGIN  EXEC t­SQLt.Private\_­Apply­Check­Constraint @Constraint­Object­Id;  RETURN 0;  END  IF @Constraint­Type = 'FOREIGN\_­KEY\_­CONSTRAINT'  BEGIN  EXEC t­SQLt.Private\_­Apply­Foreign­Key­Constraint @Constraint­Object­Id;  RETURN 0;  END;    RAISERROR ('Apply­Constraint could not resolve the object names, ''%s'', ''%s''. Be sure to call Apply­Constraint and pass in two parameters, such as: EXEC t­SQLt.Apply­Constraint ''My­Schema.My­Table'', ''My­Constraint''',  16, 10, @Table­Name, @Constraint­Name);  RETURN 0;  END;  GO |

Uses

[[t­SQLt].[Private\_­Apply­Check­Constraint]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ApplyCheckConstraint)

[[t­SQLt].[Private\_­Apply­Foreign­Key­Constraint]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ApplyForeignKeyConstraint)

[[t­SQLt].[Private\_­Resolve­Apply­Constraint­Parameters]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_ResolveApplyConstraintParameters)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Apply­Trigger] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Table­Name | nvarchar(max) | max |
| @Trigger­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[Apply­Trigger]  @Table­Name NVARCHAR(MAX),  @Trigger­Name NVARCHAR(MAX)  AS  BEGIN  DECLARE @Org­Table­Object­Id INT;  SELECT @Org­Table­Object­Id = Org­Table­Object­Id FROM t­SQLt.Private\_­Get­Original­Table­Info(OBJECT\_­ID(@Table­Name)) org­Tbl  IF(@Org­Table­Object­Id IS NULL)  BEGIN  RAISERROR('%s does not exist or was not faked by t­SQLt.Fake­Table.', 16, 10, @Table­Name);  END;    DECLARE @Full­Trigger­Name NVARCHAR(MAX);  DECLARE @Trigger­Object­Id INT;  SELECT @Full­Trigger­Name = QUOTENAME(SCHEMA\_­NAME(schema\_id))+'.'+QUOTENAME(name), @Trigger­Object­Id = object\_id  FROM sys.objects WHERE PARSENAME(@Trigger­Name,1) = name AND parent\_object\_id = @Org­Table­Object­Id;    DECLARE @Trigger­Code NVARCHAR(MAX);  SELECT @Trigger­Code = m.definition  FROM sys.sql\_modules m  WHERE m.object\_id = @Trigger­Object­Id;    IF (@Trigger­Code IS NULL)  BEGIN  RAISERROR('%s is not a trigger on %s', 16, 10, @Trigger­Name, @Table­Name);  END;    EXEC t­SQLt.Remove­Object @Full­Trigger­Name;    EXEC(@Trigger­Code);  END;  ---Build-  GO |

Uses

[[t­SQLt].[Remove­Object]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RemoveObject)

[[t­SQLt].[Private\_­Get­Original­Table­Info]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetOriginalTableInfo)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Assert­Empty­Table] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Table­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[Assert­Empty­Table]  @Table­Name NVARCHAR(MAX)  AS  BEGIN  EXEC t­SQLt.Assert­Object­Exists @Table­Name;  DECLARE @Full­Name NVARCHAR(MAX);  IF(OBJECT\_­ID(@Table­Name) IS NULL AND OBJECT\_­ID('tempdb..'+@Table­Name) IS NOT NULL)  BEGIN  SET @Full­Name = CASE WHEN LEFT(@Table­Name,1) = '[' THEN @Table­Name ELSE QUOTENAME(@Table­Name)END;  END;  ELSE  BEGIN  SET @Full­Name = t­SQLt.Private\_­Get­Quoted­Full­Name(OBJECT\_­ID(@Table­Name));  END;  DECLARE @cmd NVARCHAR(MAX);  DECLARE @exists INT;  SET @cmd = 'SELECT @exists = CASE WHEN EXISTS(SELECT 1 FROM '+@Full­Name+') THEN 1 ELSE 0 END;'  EXEC sp\_executesql @cmd,N'@exists INT OUTPUT', @exists OUTPUT;    IF(@exists = 1)  BEGIN  DECLARE @Table­To­Text NVARCHAR(MAX);  EXEC t­SQLt.Table­To­Text @Table­Name = @Full­Name,@txt = @Table­To­Text OUTPUT;  DECLARE @Message NVARCHAR(MAX);  SET @Message = @Full­Name + ' was not empty:' + CHAR(13) + CHAR(10)+ @Table­To­Text;  EXEC t­SQLt.Fail @Message;  END  END  GO |

Uses

[[t­SQLt].[Assert­Object­Exists]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertObjectExists)

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[[t­SQLt].[Table­To­Text]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/TableToText)

[[t­SQLt].[Private\_­Get­Quoted­Full­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetQuotedFullName)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[Get­Filtered­List­Of­Explanations­By­Curriculum].[test Returns­Nothing­If­Zero­Passed­In]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsNothingIfZeroPassedIn)

[[Get­Filtered­List­Of­Explanations­By­Subject].[test Returns­Nothing­If­Zero­Passed­In]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsNothingIfZeroPassedIn_0002)

[[Get­List­Of­Question­Ids].[test Returns­Zero­If­Nothing­Found]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsZeroIfNothingFound)

[[Get­Training­Demo­Step­Details­List].[test List­Of­Steps­Returns­Empty­Table­If­No­Question­Found]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ListOfStepsReturnsEmptyTableIfNoQuestionFound)

|  |
| --- |
| [t­SQLt].[Assert­Equals] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Expected | sql\_variant | 8016 |
| @Actual | sql\_variant | 8016 |
| @Message | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Assert­Equals]  @Expected SQL\_­VARIANT,  @Actual SQL\_­VARIANT,  @Message NVARCHAR(MAX) = ''  AS  BEGIN  IF ((@Expected = @Actual) OR (@Actual IS NULL AND @Expected IS NULL))  RETURN 0;  DECLARE @Msg NVARCHAR(MAX);  SELECT @Msg = 'Expected: <' + ISNULL(CAST(@Expected AS NVARCHAR(MAX)), 'NULL') +  '> but was: <' + ISNULL(CAST(@Actual AS NVARCHAR(MAX)), 'NULL') + '>';  IF((COALESCE(@Message,'') <> '') AND (@Message NOT LIKE '% ')) SET @Message = @Message + ' ';  EXEC t­SQLt.Fail @Message, @Msg;  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[Insert­New­Curriculum].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID)

[[Insert­New­Curriculum].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased)

[[Insert­New­Explanation].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_0007)

[[Insert­New­Explanation].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_0008)

[[Insert­New­Key­Stage].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_0009)

[[Insert­New­Key­Stage].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_000a)

[[Insert­New­Question].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_000b)

[[Insert­New­Question].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_000c)

[[Insert­New­Subject].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_000d)

[[Insert­New­Subject].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_000e)

|  |
| --- |
| [t­SQLt].[Assert­Equals­String] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Expected | nvarchar(max) | max |
| @Actual | nvarchar(max) | max |
| @Message | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Assert­Equals­String]  @Expected NVARCHAR(MAX),  @Actual NVARCHAR(MAX),  @Message NVARCHAR(MAX) = ''  AS  BEGIN  IF ((@Expected = @Actual) OR (@Actual IS NULL AND @Expected IS NULL))  RETURN 0;  DECLARE @Msg NVARCHAR(MAX);  SELECT @Msg = 'Expected: <' + ISNULL(@Expected, 'NULL') +  '> but was: <' + ISNULL(@Actual, 'NULL') + '>';  EXEC t­SQLt.Fail @Message, @Msg;  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Assert­Equals­Table] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Expected | nvarchar(max) | max |
| @Actual | nvarchar(max) | max |
| @Fail­Msg | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ---BUILD+  CREATE PROCEDURE [t­SQLt].[Assert­Equals­Table]  @Expected NVARCHAR(MAX),  @Actual NVARCHAR(MAX),  @Fail­Msg NVARCHAR(MAX) = 'unexpected/missing resultset rows!'  AS  BEGIN  EXEC t­SQLt.Assert­Object­Exists @Expected;  EXEC t­SQLt.Assert­Object­Exists @Actual;  DECLARE @Result­Table NVARCHAR(MAX);  DECLARE @Result­Column NVARCHAR(MAX);  DECLARE @Column­List NVARCHAR(MAX);  DECLARE @Unequal­Rows­Exist INT;  SELECT @Result­Table = t­SQLt.Private::Create­Unique­Object­Name();  SELECT @Result­Column = 'RC\_' + @Result­Table;  EXEC t­SQLt.Private\_­Create­Result­Table­For­Compare­Tables  @Result­Table = @Result­Table,  @Result­Column = @Result­Column,  @Base­Table = @Expected;    SELECT @Column­List = t­SQLt.Private\_­Get­Comma­Separated­Column­List(@Result­Table, @Result­Column);  EXEC t­SQLt.Private\_­Validate­That­All­Data­Types­In­Table­Are­Supported @Result­Table, @Column­List;    EXEC @Unequal­Rows­Exist = t­SQLt.Private\_­Compare­Tables  @Expected = @Expected,  @Actual = @Actual,  @Result­Table = @Result­Table,  @Column­List = @Column­List,  @Match­Indicator­Column­Name = @Result­Column;    EXEC t­SQLt.Private\_­Compare­Tables­Fail­If­Unequal­Rows­Exists  @Unequal­Rows­Exist = @Unequal­Rows­Exist,  @Result­Table = @Result­Table,  @Result­Column = @Result­Column,  @Column­List = @Column­List,  @Fail­Msg = @Fail­Msg;  END;  ---Build-  GO |

Uses

[[t­SQLt].[Assert­Object­Exists]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertObjectExists)

[[t­SQLt].[Private\_­Compare­Tables]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CompareTables)

[[t­SQLt].[Private\_­Compare­Tables­Fail­If­Unequal­Rows­Exists]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CompareTablesFailIfUnequalRowsExists)

[[t­SQLt].[Private\_­Create­Result­Table­For­Compare­Tables]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CreateResultTableForCompareTables)

[[t­SQLt].[Private\_­Validate­That­All­Data­Types­In­Table­Are­Supported]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ValidateThatAllDataTypesInTableAreSupported)

[[t­SQLt].[Private]](#B3VZJY1/User_databases/App4Learn/Programmability/Types/User-Defined_Types/Private)

[[t­SQLt].[Private\_­Get­Comma­Separated­Column­List]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetCommaSeparatedColumnList)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[Get­Explanation­Details].[test Returns­Correct­Explanation]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsCorrectExplanation)

[[Get­Filtered­List­Of­Explanations­By­Curriculum].[test Returns­Correct­List]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsCorrectList)

[[Get­Filtered­List­Of­Explanations­By­Subject].[test Returns­Correct­List]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsCorrectList_0001)

[[Get­List­Of­Question­Ids].[test Returns­Valid­List]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsValidList)

[[Get­Training­Demo­Step­Details­List].[test List­Of­Steps­Is­Returned­In­Assending­Order]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ListOfStepsIsReturnedInAssendingOrder)

[[Insert­New­Demonstration­Step].[test Check­Step­Is­Inserted­Correctly]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckStepIsInsertedCorrectly)

|  |
| --- |
| [t­SQLt].[Assert­Like] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Expected­Pattern | nvarchar(max) | max |
| @Actual | nvarchar(max) | max |
| @Message | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Assert­Like]  @Expected­Pattern NVARCHAR(MAX),  @Actual NVARCHAR(MAX),  @Message NVARCHAR(MAX) = ''  AS  BEGIN  IF (LEN(@Expected­Pattern) > 4000)  BEGIN  RAISERROR ('@Expected­Pattern may not exceed 4000 characters.', 16, 10);  END;  IF ((@Actual LIKE @Expected­Pattern) OR (@Actual IS NULL AND @Expected­Pattern IS NULL))  BEGIN  RETURN 0;  END  DECLARE @Msg NVARCHAR(MAX);  SELECT @Msg = CHAR(13) + CHAR(10) + 'Expected: <' + ISNULL(@Expected­Pattern, 'NULL') + '>' +  CHAR(13) + CHAR(10) + ' but was: <' + ISNULL(@Actual, 'NULL') + '>';  EXEC t­SQLt.Fail @Message, @Msg;  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Assert­Not­Equals] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Expected | sql\_variant | 8016 |
| @Actual | sql\_variant | 8016 |
| @Message | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[Assert­Not­Equals]  @Expected SQL\_­VARIANT,  @Actual SQL\_­VARIANT,  @Message NVARCHAR(MAX) = ''  AS  BEGIN  IF (@Expected = @Actual)  OR (@Expected IS NULL AND @Actual IS NULL)  BEGIN  DECLARE @msg NVARCHAR(MAX);  SET @msg = 'Expected actual value to not ' +  COALESCE('equal <' + t­SQLt.Private\_­Sql­Variant­Formatter(@Expected)+'>', 'be NULL') +  '.';  EXEC t­SQLt.Fail @msg, @Message;  END;  RETURN 0;  END;  ---Build-  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[[t­SQLt].[Private\_­Sql­Variant­Formatter]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_SqlVariantFormatter)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[Get­Filtered­List­Of­Explanations­By­Curriculum].[test Returns­Wrong­List­With­Wrong­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsWrongListWithWrongID)

[[Get­Filtered­List­Of­Explanations­By­Subject].[test Returns­Wrong­List­With­Wrong­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsWrongListWithWrongID_0003)

|  |
| --- |
| [t­SQLt].[Assert­Object­Exists] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Object­Name | nvarchar(max) | max |
| @Message | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Assert­Object­Exists]  @Object­Name NVARCHAR(MAX),  @Message NVARCHAR(MAX) = ''  AS  BEGIN  DECLARE @Msg NVARCHAR(MAX);  IF(@Object­Name LIKE '#%')  BEGIN  IF OBJECT\_­ID('tempdb..'+@Object­Name) IS NULL  BEGIN  SELECT @Msg = '''' + COALESCE(@Object­Name, 'NULL') + ''' does not exist';  EXEC t­SQLt.Fail @Message, @Msg;  RETURN 1;  END;  END  ELSE  BEGIN  IF OBJECT\_­ID(@Object­Name) IS NULL  BEGIN  SELECT @Msg = '''' + COALESCE(@Object­Name, 'NULL') + ''' does not exist';  EXEC t­SQLt.Fail @Message, @Msg;  RETURN 1;  END;  END;  RETURN 0;  END;  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Assert­Empty­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEmptyTable)

[[t­SQLt].[Assert­Equals­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEqualsTable)

|  |
| --- |
| [t­SQLt].[Assert­Result­Sets­Have­Same­Meta­Data] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | False |
| Quoted Identifier On | False |
| Assembly | [t­SQLt­CLR.t­SQLt­CLR.Stored­Procedures.Assert­Result­Sets­Have­Same­Meta­Data](#B3VZJY1/User_databases/App4Learn/Programmability/Assemblies/tSQLtCLR) |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @expected­Command | nvarchar(max) | max |
| @actual­Command | nvarchar(max) | max |

SQL Script

|  |
| --- |
| SET QUOTED\_­IDENTIFIER OFF  GO  SET ANSI\_­NULLS OFF  GO  CREATE PROCEDURE [t­SQLt].[Assert­Result­Sets­Have­Same­Meta­Data] (@expected­Command [nvarchar] (max), @actual­Command [nvarchar] (max))  WITH EXECUTE AS CALLER  AS EXTERNAL NAME [t­SQLt­CLR].[t­SQLt­CLR.Stored­Procedures].[Assert­Result­Sets­Have­Same­Meta­Data]  GO |

Uses

[[t­SQLt­CLR]](#B3VZJY1/User_databases/App4Learn/Programmability/Assemblies/tSQLtCLR)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Capture­Output] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | False |
| Quoted Identifier On | False |
| Assembly | [t­SQLt­CLR.t­SQLt­CLR.Stored­Procedures.Capture­Output](#B3VZJY1/User_databases/App4Learn/Programmability/Assemblies/tSQLtCLR) |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @command | nvarchar(max) | max |

SQL Script

|  |
| --- |
| SET QUOTED\_­IDENTIFIER OFF  GO  SET ANSI\_­NULLS OFF  GO  CREATE PROCEDURE [t­SQLt].[Capture­Output] (@command [nvarchar] (max))  WITH EXECUTE AS CALLER  AS EXTERNAL NAME [t­SQLt­CLR].[t­SQLt­CLR.Stored­Procedures].[Capture­Output]  GO |

Uses

[[t­SQLt­CLR]](#B3VZJY1/User_databases/App4Learn/Programmability/Assemblies/tSQLtCLR)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Default­Result­Formatter] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Default­Result­Formatter]  AS  BEGIN  DECLARE @Msg1 NVARCHAR(MAX);  DECLARE @Msg2 NVARCHAR(MAX);  DECLARE @Msg3 NVARCHAR(MAX);  DECLARE @Msg4 NVARCHAR(MAX);  DECLARE @Is­Success INT;  DECLARE @Success­Cnt INT;  DECLARE @Severity INT;    SELECT ROW\_­NUMBER() OVER(ORDER BY Result DESC, Name ASC) No,Name [Test Case Name], Result  INTO #Tmp  FROM t­SQLt.Test­Result;    EXEC t­SQLt.Table­To­Text @Msg1 OUTPUT, '#Tmp', 'No';  SELECT @Msg3 = Msg,  @Is­Success = 1 - SIGN(Fail­Cnt + Error­Cnt),  @Success­Cnt = Success­Cnt  FROM t­SQLt.Test­Case­Summary();    SELECT @Severity = 16\*(1-@Is­Success);    SELECT @Msg2 = REPLICATE('-',LEN(@Msg3)),  @Msg4 = CHAR(13)+CHAR(10);      EXEC t­SQLt.Private\_­Print @Msg4,0;  EXEC t­SQLt.Private\_­Print '+----------------------+',0;  EXEC t­SQLt.Private\_­Print '|Test Execution Summary|',0;  EXEC t­SQLt.Private\_­Print '+----------------------+',0;  EXEC t­SQLt.Private\_­Print @Msg4,0;  EXEC t­SQLt.Private\_­Print @Msg1,0;  EXEC t­SQLt.Private\_­Print @Msg2,0;  EXEC t­SQLt.Private\_­Print @Msg3, @Severity;  EXEC t­SQLt.Private\_­Print @Msg2,0;  END;  GO |

Uses

[[t­SQLt].[Test­Result]](#B3VZJY1/User_databases/App4Learn/Tables/TestResult)

[[t­SQLt].[Private\_­Print]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_Print)

[[t­SQLt].[Table­To­Text]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/TableToText)

[[t­SQLt].[Test­Case­Summary]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/TestCaseSummary)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Drop­Class] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Class­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[Drop­Class]  @Class­Name NVARCHAR(MAX)  AS  BEGIN  DECLARE @Cmd NVARCHAR(MAX);  WITH A(name, type) AS  (SELECT QUOTENAME(SCHEMA\_­NAME(schema\_id))+'.'+QUOTENAME(name) , type  FROM sys.objects  WHERE schema\_id = SCHEMA\_­ID(@Class­Name)  ),  B(no,cmd) AS  (SELECT 0,'DROP ' +  CASE type WHEN 'P' THEN 'PROCEDURE'  WHEN 'PC' THEN 'PROCEDURE'  WHEN 'U' THEN 'TABLE'  WHEN 'IF' THEN 'FUNCTION'  WHEN 'TF' THEN 'FUNCTION'  WHEN 'FN' THEN 'FUNCTION'  WHEN 'V' THEN 'VIEW'  END +  ' ' + name + ';'  FROM A  UNION ALL  SELECT -1,'DROP SCHEMA ' + QUOTENAME(name) +';'  FROM sys.schemas  WHERE schema\_id = SCHEMA\_­ID(@Class­Name)  ),  C(xml)AS  (SELECT cmd [text()]  FROM B  ORDER BY no DESC  FOR XML PATH(''), TYPE  )  SELECT @Cmd = xml.value('/', 'NVARCHAR(MAX)')  FROM C;  EXEC(@Cmd);  END;  ---Build-  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[New­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/NewTestClass)

[[t­SQLt].[Rename­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RenameClass)

[[t­SQLt].[Uninstall]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Uninstall)

|  |
| --- |
| [t­SQLt].[Expect­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Expected­Message | nvarchar(max) | max |
| @Expected­Severity | int | 4 |
| @Expected­State | int | 4 |
| @Message | nvarchar(max) | max |
| @Expected­Message­Pattern | nvarchar(max) | max |
| @Expected­Error­Number | int | 4 |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[Expect­Exception]  @Expected­Message NVARCHAR(MAX) = NULL,  @Expected­Severity INT = NULL,  @Expected­State INT = NULL,  @Message NVARCHAR(MAX) = NULL,  @Expected­Message­Pattern NVARCHAR(MAX) = NULL,  @Expected­Error­Number INT = NULL  AS  BEGIN  IF(EXISTS(SELECT 1 FROM #Expect­Exception))  BEGIN  RAISERROR('Each test can only contain one call to t­SQLt.Expect­Exception or t­SQLt.Expect­No­Exception.',16,10);  END;    INSERT INTO #Expect­Exception(Expect­Exception, Expected­Message, Expected­Severity, Expected­State, Expected­Message­Pattern, Expected­Error­Number, Fail­Message)  VALUES(1, @Expected­Message, @Expected­Severity, @Expected­State, @Expected­Message­Pattern, @Expected­Error­Number, @Message);  END;  ---Build-  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[Insert­New­Demonstration­Step].[test Check­Exception­Is­Thrown­If­Invalid­Type­Passed­In]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckExceptionIsThrownIfInvalidTypePassedIn)

[[Insert­New­Question].[test Check­Exception­Thrown­If­Invalid­Type­Passed­In]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckExceptionThrownIfInvalidTypePassedIn)

|  |
| --- |
| [t­SQLt].[Expect­No­Exception] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Message | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[Expect­No­Exception]  @Message NVARCHAR(MAX) = NULL  AS  BEGIN  IF(EXISTS(SELECT 1 FROM #Expect­Exception))  BEGIN  RAISERROR('Each test can only contain one call to t­SQLt.Expect­Exception or t­SQLt.Expect­No­Exception.',16,10);  END;    INSERT INTO #Expect­Exception(Expect­Exception, Fail­Message)  VALUES(0, @Message);  END;  ---Build-  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[Insert­New­Question].[test Check­Question­Inserted­With­NULLSearch­String]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckQuestionInsertedWithNULLSearchString)

[[Insert­New­Question].[test Check­Question­Inserted­With­NULLWeb­Address]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckQuestionInsertedWithNULLWebAddress)

[[Procedures­Do­Not­Throw­Exceptions].[test Check­If­User­Is­Available No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIfUserIsAvailable_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Check­If­User­Is­In­Database No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIfUserIsInDatabase_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Create­New­User No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CreateNewUser_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­Explanation­Details No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetExplanationDetails_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­Filtered­List­Of­Curriculum No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetFilteredListOfCurriculum_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­Filtered­List­Of­Explanations­By­Curriculum No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetFilteredListOfExplanationsByCurriculum_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­Filtered­List­Of­Explanations­By­Subject No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetFilteredListOfExplanationsBySubject_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­Immitation­Steps No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetImmitationSteps_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Curriculum No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetListOfCurriculum_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Explanations No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetListOfExplanations_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Key­Stages No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetListOfKeyStages_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Question­Ids No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetListOfQuestionIds_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­Training­Demo­Step­Details­List No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetTrainingDemoStepDetailsList_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­Training­Explanation­Details No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetTrainingExplanationDetails_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Curriculum No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewCurriculum_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Demonstration­Step No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewDemonstrationStep_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Explanation No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewExplanation_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Key­Stage No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewKeyStage_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Question No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewQuestion_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Subject No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewSubject_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Test­Connection No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_TestConnection_NoException)

|  |
| --- |
| [t­SQLt].[Fail] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Message0 | nvarchar(max) | max |
| @Message1 | nvarchar(max) | max |
| @Message2 | nvarchar(max) | max |
| @Message3 | nvarchar(max) | max |
| @Message4 | nvarchar(max) | max |
| @Message5 | nvarchar(max) | max |
| @Message6 | nvarchar(max) | max |
| @Message7 | nvarchar(max) | max |
| @Message8 | nvarchar(max) | max |
| @Message9 | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[Fail]  @Message0 NVARCHAR(MAX) = '',  @Message1 NVARCHAR(MAX) = '',  @Message2 NVARCHAR(MAX) = '',  @Message3 NVARCHAR(MAX) = '',  @Message4 NVARCHAR(MAX) = '',  @Message5 NVARCHAR(MAX) = '',  @Message6 NVARCHAR(MAX) = '',  @Message7 NVARCHAR(MAX) = '',  @Message8 NVARCHAR(MAX) = '',  @Message9 NVARCHAR(MAX) = ''  AS  BEGIN  DECLARE @Warning­Message NVARCHAR(MAX);  SET @Warning­Message = '';  IF XACT\_­STATE() = -1  BEGIN  SET @Warning­Message = CHAR(13)+CHAR(10)+'Warning: Uncommitable transaction detected!';  DECLARE @Tran­Name NVARCHAR(MAX);  SELECT @Tran­Name = Tran­Name  FROM t­SQLt.Test­Result  WHERE Id = (SELECT MAX(Id) FROM t­SQLt.Test­Result);  DECLARE @Tran­Count INT;  SET @Tran­Count = @@TRANCOUNT;  ROLLBACK;  WHILE(@Tran­Count>0)  BEGIN  BEGIN TRAN;  SET @Tran­Count = @Tran­Count -1;  END;  SAVE TRAN @Tran­Name;  END;  INSERT INTO t­SQLt.Test­Message(Msg)  SELECT COALESCE(@Message0, '!NULL!')  + COALESCE(@Message1, '!NULL!')  + COALESCE(@Message2, '!NULL!')  + COALESCE(@Message3, '!NULL!')  + COALESCE(@Message4, '!NULL!')  + COALESCE(@Message5, '!NULL!')  + COALESCE(@Message6, '!NULL!')  + COALESCE(@Message7, '!NULL!')  + COALESCE(@Message8, '!NULL!')  + COALESCE(@Message9, '!NULL!')  + @Warning­Message;    RAISERROR('t­SQLt.Failure',16,10);  END;  ---Build-  GO |

Uses

[[t­SQLt].[Test­Message]](#B3VZJY1/User_databases/App4Learn/Tables/TestMessage)

[[t­SQLt].[Test­Result]](#B3VZJY1/User_databases/App4Learn/Tables/TestResult)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[Database­Integrity­Checks].[test Procedures­Have­No­Exception­Tests]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ProceduresHaveNoExceptionTests)

[[SQLCop].[test Ad hoc distributed queries]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Ad_hoc_distributed_queries)

[[SQLCop].[test Auto close]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Auto_close)

[[SQLCop].[test Auto create statistics]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Auto_create_statistics)

[[SQLCop].[test Auto Shrink]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Auto_Shrink)

[[SQLCop].[test Auto update statistics]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Auto_update_statistics)

[[SQLCop].[test Buffer cache hit ratio]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Buffer_cache_hit_ratio)

[[SQLCop].[test Column collation does not match database default]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Column_collation_does_not_match_database_default)

[[SQLCop].[test Column data types (Numeric vs. Int)]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Column_data_types_(Numeric_vs._Int))

[[SQLCop].[test Column Name Problems]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Column_Name_Problems)

[[SQLCop].[test Columns of data type Text/n­Text]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Columns_of_data_type_Text_nText)

[[SQLCop].[test Columns with float data type]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Columns_with_float_data_type)

[[SQLCop].[test Columns with image data type]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Columns_with_image_data_type)

[[SQLCop].[test Compatibility Level]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Compatibility_Level)

[[SQLCop].[test Database collation]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Database_collation)

[[SQLCop].[test Database Mail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Database_Mail)

[[SQLCop].[test Decimal Size Problem]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Decimal_Size_Problem)

[[SQLCop].[test Forwarded Records]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Forwarded_Records)

[[SQLCop].[test Fragmented Indexes]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Fragmented_Indexes)

[[SQLCop].[test Login Language]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Login_Language)

[[SQLCop].[test Missing Foreign Key Indexes]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Missing_Foreign_Key_Indexes)

[[SQLCop].[test Missing Foreign Keys]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Missing_Foreign_Keys)

[[SQLCop].[test Ole Automation Procedures]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Ole_Automation_Procedures)

[[SQLCop].[test Orphaned Users]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Orphaned_Users)

[[SQLCop].[test Page life expectancy]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Page_life_expectancy)

[[SQLCop].[test Procedures Named SP\_]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Procedures_Named_SP_)

[[SQLCop].[test Procedures that call undocumented procedures]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Procedures_that_call_undocumented_procedures)

[[SQLCop].[test Procedures using dynamic SQL without sp\_executesql]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Procedures_using_dynamic_SQL_without_sp_executesql)

[[SQLCop].[test Procedures with @@Identity]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Procedures_with_@@Identity)

[[SQLCop].[test Procedures With SET ROWCOUNT]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Procedures_With_SET_ROWCOUNT)

[[SQLCop].[test Procedures without SET NOCOUNT ON]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Procedures_without_SET_NOCOUNT_ON)

[[SQLCop].[test Service Account]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Service_Account)

[[SQLCop].[test Table name problems]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Table_name_problems)

[[SQLCop].[test Tables without a primary key]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Tables_without_a_primary_key)

[[SQLCop].[test Unique­Identifier with New­Id]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_UniqueIdentifier_with_NewId)

[[SQLCop].[test Unnamed Constraints]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Unnamed_Constraints)

[[SQLCop].[test User Aliases]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_User_Aliases)

[[SQLCop].[test Views with order by]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Views_with_order_by)

[[SQLCop].[test Wide Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Wide_Table)

[[SQLCop].[test xp\_cmdshell is enabled]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_xp_cmdshell_is_enabled)

[[t­SQLt].[Assert­Empty­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEmptyTable)

[[t­SQLt].[Assert­Equals]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEquals)

[[t­SQLt].[Assert­Equals­String]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEqualsString)

[[t­SQLt].[Assert­Like]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertLike)

[[t­SQLt].[Assert­Not­Equals]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertNotEquals)

[[t­SQLt].[Assert­Object­Exists]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertObjectExists)

[[t­SQLt].[Private\_­Compare­Tables­Fail­If­Unequal­Rows­Exists]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CompareTablesFailIfUnequalRowsExists)

[[t­SQLt].[Private\_­Run­Test]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunTest)

|  |
| --- |
| [t­SQLt].[Fake­Function] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Function­Name | nvarchar(max) | max |
| @Fake­Function­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Fake­Function]  @Function­Name NVARCHAR(MAX),  @Fake­Function­Name NVARCHAR(MAX)  AS  BEGIN  DECLARE @Function­Object­Id INT;  DECLARE @Fake­Function­Object­Id INT;  DECLARE @Is­Scalar­Function BIT;  EXEC t­SQLt.Private\_­Validate­Objects­Compatible­With­Fake­Function  @Function­Name = @Function­Name,  @Fake­Function­Name = @Fake­Function­Name,  @Function­Object­Id = @Function­Object­Id OUT,  @Fake­Function­Object­Id = @Fake­Function­Object­Id OUT,  @Is­Scalar­Function = @Is­Scalar­Function OUT;  EXEC t­SQLt.Remove­Object @Object­Name = @Function­Name;  EXEC t­SQLt.Private\_­Create­Fake­Function  @Function­Name = @Function­Name,  @Fake­Function­Name = @Fake­Function­Name,  @Function­Object­Id = @Function­Object­Id,  @Fake­Function­Object­Id = @Fake­Function­Object­Id,  @Is­Scalar­Function = @Is­Scalar­Function;  END;  GO |

Uses

[[t­SQLt].[Private\_­Create­Fake­Function]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CreateFakeFunction)

[[t­SQLt].[Private\_­Validate­Objects­Compatible­With­Fake­Function]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ValidateObjectsCompatibleWithFakeFunction)

[[t­SQLt].[Remove­Object]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RemoveObject)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Fake­Table] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Table­Name | nvarchar(max) | max |
| @Schema­Name | nvarchar(max) | max |
| @Identity | bit | 1 |
| @Computed­Columns | bit | 1 |
| @Defaults | bit | 1 |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[Fake­Table]  @Table­Name NVARCHAR(MAX),  @Schema­Name NVARCHAR(MAX) = NULL, --parameter preserved for backward compatibility. Do not use. Will be removed soon.  @Identity BIT = NULL,  @Computed­Columns BIT = NULL,  @Defaults BIT = NULL  AS  BEGIN  DECLARE @Orig­Schema­Name NVARCHAR(MAX);  DECLARE @Orig­Table­Name NVARCHAR(MAX);  DECLARE @New­Name­Of­Original­Table NVARCHAR(4000);    SELECT @Orig­Schema­Name = @Schema­Name,  @Orig­Table­Name = @Table­Name    SELECT @Schema­Name = Clean­Schema­Name,  @Table­Name = Clean­Table­Name  FROM t­SQLt.Private\_­Resolve­Fake­Table­Names­For­Backward­Compatibility(@Table­Name, @Schema­Name);    EXEC t­SQLt.Private\_­Validate­Fake­Table­Parameters @Schema­Name,@Orig­Table­Name,@Orig­Schema­Name;  EXEC t­SQLt.Private\_­Rename­Object­To­Unique­Name @Schema­Name, @Table­Name, @New­Name­Of­Original­Table OUTPUT;  EXEC t­SQLt.Private\_­Create­Fake­Of­Table @Schema­Name, @Table­Name, @New­Name­Of­Original­Table, @Identity, @Computed­Columns, @Defaults;  EXEC t­SQLt.Private\_­Mark­Fake­Table @Schema­Name, @Table­Name, @New­Name­Of­Original­Table;  END  ---Build-  GO |

Uses

[[t­SQLt].[Private\_­Create­Fake­Of­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CreateFakeOfTable)

[[t­SQLt].[Private\_­Mark­Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_MarkFakeTable)

[[t­SQLt].[Private\_­Rename­Object­To­Unique­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RenameObjectToUniqueName)

[[t­SQLt].[Private\_­Validate­Fake­Table­Parameters]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ValidateFakeTableParameters)

[[t­SQLt].[Private\_­Resolve­Fake­Table­Names­For­Backward­Compatibility]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_ResolveFakeTableNamesForBackwardCompatibility)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[Get­Explanation­Details].[test Returns­Correct­Explanation]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsCorrectExplanation)

[[Get­Filtered­List­Of­Explanations­By­Curriculum].[Setup]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Setup)

[[Get­Filtered­List­Of­Explanations­By­Subject].[Setup]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Setup_0000)

[[Get­List­Of­Question­Ids].[Setup]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Setup_0004)

[[Get­Training­Demo­Step­Details­List].[Setup]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Setup_0005)

[[Insert­New­Curriculum].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID)

[[Insert­New­Curriculum].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased)

[[Insert­New­Demonstration­Step].[Setup]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Setup_0006)

[[Insert­New­Explanation].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_0007)

[[Insert­New­Explanation].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_0008)

[[Insert­New­Key­Stage].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_0009)

[[Insert­New­Key­Stage].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_000a)

[[Insert­New­Question].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_000b)

[[Insert­New­Question].[test Check­Question­Inserted­With­NULLSearch­String]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckQuestionInsertedWithNULLSearchString)

[[Insert­New­Question].[test Check­Question­Inserted­With­NULLWeb­Address]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckQuestionInsertedWithNULLWebAddress)

[[Insert­New­Question].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_000c)

[[Insert­New­Subject].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_000d)

[[Insert­New­Subject].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_000e)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Question­Ids No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetListOfQuestionIds_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Demonstration­Step No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewDemonstrationStep_NoException)

|  |
| --- |
| [t­SQLt].[Get­New­Tran­Name] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Max Length (Bytes) | Direction |
| @Tran­Name | char(32) | 32 | Out |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Get­New­Tran­Name]  @Tran­Name CHAR(32) OUTPUT  AS  BEGIN  SELECT @Tran­Name = LEFT('t­SQLt­Tran'+REPLACE(CAST(NEWID() AS NVARCHAR(60)),'-',''),32);  END;  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Run­Test]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunTest)

|  |
| --- |
| [t­SQLt].[Log­Captured­Output] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @text | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[Log­Captured­Output] @text NVARCHAR(MAX)  AS  BEGIN  INSERT INTO t­SQLt.Capture­Output­Log (Output­Text) VALUES (@text);  END;  ---Build-  GO |

Uses

[[t­SQLt].[Capture­Output­Log]](#B3VZJY1/User_databases/App4Learn/Tables/CaptureOutputLog)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[New­Connection] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | False |
| Quoted Identifier On | False |
| Assembly | [t­SQLt­CLR.t­SQLt­CLR.Stored­Procedures.New­Connection](#B3VZJY1/User_databases/App4Learn/Programmability/Assemblies/tSQLtCLR) |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @command | nvarchar(max) | max |

SQL Script

|  |
| --- |
| SET QUOTED\_­IDENTIFIER OFF  GO  SET ANSI\_­NULLS OFF  GO  CREATE PROCEDURE [t­SQLt].[New­Connection] (@command [nvarchar] (max))  WITH EXECUTE AS CALLER  AS EXTERNAL NAME [t­SQLt­CLR].[t­SQLt­CLR.Stored­Procedures].[New­Connection]  GO |

Uses

[[t­SQLt­CLR]](#B3VZJY1/User_databases/App4Learn/Programmability/Assemblies/tSQLtCLR)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[New­Test­Class] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Class­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[New­Test­Class]  @Class­Name NVARCHAR(MAX)  AS  BEGIN  BEGIN TRY  EXEC t­SQLt.Private\_­Disallow­Overwriting­Non­Test­Schema @Class­Name;  EXEC t­SQLt.Drop­Class @Class­Name = @Class­Name;  DECLARE @Quoted­Class­Name NVARCHAR(MAX);  SELECT @Quoted­Class­Name = t­SQLt.Private\_­Quote­Class­Name­For­New­Test­Class(@Class­Name);  EXEC ('CREATE SCHEMA ' + @Quoted­Class­Name);  EXEC t­SQLt.Private\_­Mark­Schema­As­Test­Class @Quoted­Class­Name;  END TRY  BEGIN CATCH  DECLARE @Err­Msg NVARCHAR(MAX);SET @Err­Msg = ERROR\_­MESSAGE() + ' (Error originated in ' + ERROR\_­PROCEDURE() + ')';  DECLARE @Err­Svr INT;SET @Err­Svr = ERROR\_­SEVERITY();    RAISERROR(@Err­Msg, @Err­Svr, 10);  END CATCH;  END;  ---Build-  GO |

Uses

[[t­SQLt].[Drop­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/DropClass)

[[t­SQLt].[Private\_­Disallow­Overwriting­Non­Test­Schema]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_DisallowOverwritingNonTestSchema)

[[t­SQLt].[Private\_­Mark­Schema­As­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_MarkSchemaAsTestClass)

[[t­SQLt].[Private\_­Quote­Class­Name­For­New­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_QuoteClassNameForNewTestClass)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Rename­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RenameClass)

|  |
| --- |
| [t­SQLt].[Null­Test­Result­Formatter] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Null­Test­Result­Formatter]  AS  BEGIN  RETURN 0;  END;  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Private\_­Apply­Check­Constraint] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

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

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Private\_­Apply­Check­Constraint]  @Constraint­Object­Id INT  AS  BEGIN  DECLARE @Cmd NVARCHAR(MAX);  SELECT @Cmd = 'CONSTRAINT ' + QUOTENAME(name) + ' CHECK' + definition  FROM sys.check\_constraints  WHERE object\_id = @Constraint­Object­Id;    DECLARE @Quoted­Table­Name NVARCHAR(MAX);    SELECT @Quoted­Table­Name = Quoted­Table­Name FROM t­SQLt.Private\_­Get­Quoted­Table­Name­For­Constraint(@Constraint­Object­Id);  EXEC t­SQLt.Private\_­Rename­Object­To­Unique­Name­Using­Object­Id @Constraint­Object­Id;  SELECT @Cmd = 'ALTER TABLE ' + @Quoted­Table­Name + ' ADD ' + @Cmd  FROM sys.objects  WHERE object\_id = @Constraint­Object­Id;  EXEC (@Cmd);  END;  GO |

Uses

[[t­SQLt].[Private\_­Rename­Object­To­Unique­Name­Using­Object­Id]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RenameObjectToUniqueNameUsingObjectId)

[[t­SQLt].[Private\_­Get­Quoted­Table­Name­For­Constraint]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetQuotedTableNameForConstraint)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Apply­Constraint]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ApplyConstraint)

|  |
| --- |
| [t­SQLt].[Private\_­Apply­Foreign­Key­Constraint] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

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

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Private\_­Apply­Foreign­Key­Constraint]  @Constraint­Object­Id INT  AS  BEGIN  DECLARE @Schema­Name NVARCHAR(MAX);  DECLARE @Org­Table­Name NVARCHAR(MAX);  DECLARE @Table­Name NVARCHAR(MAX);  DECLARE @Constraint­Name NVARCHAR(MAX);  DECLARE @Create­Fk­Cmd NVARCHAR(MAX);  DECLARE @Alter­Table­Cmd NVARCHAR(MAX);  DECLARE @Create­Index­Cmd NVARCHAR(MAX);  DECLARE @Final­Cmd NVARCHAR(MAX);    SELECT @Schema­Name = Schema­Name,  @Org­Table­Name = Org­Table­Name,  @Table­Name = Table­Name,  @Constraint­Name = OBJECT\_­NAME(@Constraint­Object­Id)  FROM t­SQLt.Private\_­Get­Quoted­Table­Name­For­Constraint(@Constraint­Object­Id);    SELECT @Create­Fk­Cmd = cmd, @Create­Index­Cmd = Cre­Idx­Cmd  FROM t­SQLt.Private\_­Get­Foreign­Key­Definition(@Schema­Name, @Org­Table­Name, @Constraint­Name);  SELECT @Alter­Table­Cmd = 'ALTER TABLE ' + QUOTENAME(@Schema­Name) + '.' + QUOTENAME(@Table­Name) +  ' ADD ' + @Create­Fk­Cmd;  SELECT @Final­Cmd = @Create­Index­Cmd + @Alter­Table­Cmd;  EXEC t­SQLt.Private\_­Rename­Object­To­Unique­Name @Schema­Name, @Constraint­Name;  EXEC (@Final­Cmd);  END;  GO |

Uses

[[t­SQLt].[Private\_­Rename­Object­To­Unique­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RenameObjectToUniqueName)

[[t­SQLt].[Private\_­Get­Foreign­Key­Definition]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetForeignKeyDefinition)

[[t­SQLt].[Private\_­Get­Quoted­Table­Name­For­Constraint]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetQuotedTableNameForConstraint)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Apply­Constraint]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ApplyConstraint)

|  |
| --- |
| [t­SQLt].[Private\_­Clean­Test­Result] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Private\_­Clean­Test­Result]  AS  BEGIN  DELETE FROM t­SQLt.Test­Result;  END;  GO |

Uses

[[t­SQLt].[Test­Result]](#B3VZJY1/User_databases/App4Learn/Tables/TestResult)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Run]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_Run)

[[t­SQLt].[Private\_­Run­All]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunAll)

|  |
| --- |
| [t­SQLt].[Private\_­Compare­Tables] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Expected | nvarchar(max) | max |
| @Actual | nvarchar(max) | max |
| @Result­Table | nvarchar(max) | max |
| @Column­List | nvarchar(max) | max |
| @Match­Indicator­Column­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ---BUILD+  CREATE PROCEDURE [t­SQLt].[Private\_­Compare­Tables]  @Expected NVARCHAR(MAX),  @Actual NVARCHAR(MAX),  @Result­Table NVARCHAR(MAX),  @Column­List NVARCHAR(MAX),  @Match­Indicator­Column­Name NVARCHAR(MAX)  AS  BEGIN  DECLARE @cmd NVARCHAR(MAX);  DECLARE @Restored­Row­Index­Counter­Col­Name NVARCHAR(MAX);  SET @Restored­Row­Index­Counter­Col­Name = @Match­Indicator­Column­Name + '\_­RR';    SELECT @cmd =  '  INSERT INTO ' + @Result­Table + ' (' + @Match­Indicator­Column­Name + ', ' + @Column­List + ')  SELECT  CASE  WHEN Restored­Row­Index.'+@Restored­Row­Index­Counter­Col­Name+' <= CASE WHEN [\_{Left}\_]<[\_{Right}\_] THEN [\_{Left}\_] ELSE [\_{Right}\_] END  THEN ''=''  WHEN Restored­Row­Index.'+@Restored­Row­Index­Counter­Col­Name+' <= [\_{Left}\_]  THEN ''<''  ELSE ''>''  END AS ' + @Match­Indicator­Column­Name + ', ' + @Column­List + '  FROM(  SELECT SUM([\_{Left}\_]) AS [\_{Left}\_],  SUM([\_{Right}\_]) AS [\_{Right}\_],  ' + @Column­List + '  FROM (  SELECT 1 AS [\_{Left}\_], 0[\_{Right}\_], ' + @Column­List + '  FROM ' + @Expected + '  UNION ALL  SELECT 0[\_{Left}\_], 1 AS [\_{Right}\_], ' + @Column­List + '  FROM ' + @Actual + '  ) AS X  GROUP BY ' + @Column­List + '  ) AS Collapsed­Rows  CROSS APPLY (  SELECT TOP(CASE WHEN [\_{Left}\_]>[\_{Right}\_] THEN [\_{Left}\_]  ELSE [\_{Right}\_] END)  ROW\_­NUMBER() OVER(ORDER BY(SELECT 1))  FROM (SELECT 1  FROM ' + @Actual + ' UNION ALL SELECT 1 FROM ' + @Expected + ') X(X)  ) AS Restored­Row­Index(' + @Restored­Row­Index­Counter­Col­Name + ');';    EXEC (@cmd); --Main­Group­Query    SET @cmd = 'SET @r =  CASE WHEN EXISTS(  SELECT 1  FROM ' + @Result­Table +  ' WHERE ' + @Match­Indicator­Column­Name + ' IN (''<'', ''>''))  THEN 1 ELSE 0  END';  DECLARE @Unequal­Rows­Exist INT;  EXEC sp\_executesql @cmd, N'@r INT OUTPUT',@Unequal­Rows­Exist OUTPUT;    RETURN @Unequal­Rows­Exist;  END;  ---Build-  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Assert­Equals­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEqualsTable)

|  |
| --- |
| [t­SQLt].[Private\_­Compare­Tables­Fail­If­Unequal­Rows­Exists] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Unequal­Rows­Exist | int | 4 |
| @Result­Table | nvarchar(max) | max |
| @Result­Column | nvarchar(max) | max |
| @Column­List | nvarchar(max) | max |
| @Fail­Msg | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ---BUILD+  CREATE PROCEDURE [t­SQLt].[Private\_­Compare­Tables­Fail­If­Unequal­Rows­Exists]  @Unequal­Rows­Exist INT,  @Result­Table NVARCHAR(MAX),  @Result­Column NVARCHAR(MAX),  @Column­List NVARCHAR(MAX),  @Fail­Msg NVARCHAR(MAX)  AS  BEGIN  IF @Unequal­Rows­Exist > 0  BEGIN  DECLARE @Table­To­Text­Result NVARCHAR(MAX);  DECLARE @Output­Column­List NVARCHAR(MAX);  SELECT @Output­Column­List = '[\_m\_],' + @Column­List;  EXEC t­SQLt.Table­To­Text @Table­Name = @Result­Table, @Order­By = @Result­Column, @Print­Only­Column­Name­Alias­List = @Output­Column­List, @txt = @Table­To­Text­Result OUTPUT;    DECLARE @Message NVARCHAR(MAX);  SELECT @Message = @Fail­Msg + CHAR(13) + CHAR(10);  EXEC t­SQLt.Fail @Message, @Table­To­Text­Result;  END;  END  ---BUILD-  GO |

Uses

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[[t­SQLt].[Table­To­Text]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/TableToText)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Assert­Equals­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEqualsTable)

|  |
| --- |
| [t­SQLt].[Private\_­Create­Fake­Function] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Function­Name | nvarchar(max) | max |
| @Fake­Function­Name | nvarchar(max) | max |
| @Function­Object­Id | int | 4 |
| @Fake­Function­Object­Id | int | 4 |
| @Is­Scalar­Function | bit | 1 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Private\_­Create­Fake­Function]  @Function­Name NVARCHAR(MAX),  @Fake­Function­Name NVARCHAR(MAX),  @Function­Object­Id INT,  @Fake­Function­Object­Id INT,  @Is­Scalar­Function BIT  AS  BEGIN  DECLARE @Return­Type NVARCHAR(MAX);  SELECT @Return­Type = T.Type­Name  FROM sys.parameters AS P  CROSS APPLY t­SQLt.Private\_­Get­Full­Type­Name(P.user\_type\_id,P.max\_length,P.precision,P.scale,NULL) AS T  WHERE P.object\_id = @Function­Object­Id  AND P.parameter\_id = 0;    DECLARE @Parameter­List NVARCHAR(MAX);  SELECT @Parameter­List = COALESCE(  STUFF((SELECT ','+P.name+' '+Type­Name  FROM sys.parameters AS P  CROSS APPLY t­SQLt.Private\_­Get­Full­Type­Name(P.user\_type\_id,P.max\_length,P.precision,P.scale,NULL) AS T  WHERE P.object\_id = @Function­Object­Id  AND P.parameter\_id > 0  ORDER BY P.parameter\_id  FOR XML PATH(''),TYPE  ).value('.','NVARCHAR(MAX)'),1,1,''),'');    DECLARE @Parameter­Call­List NVARCHAR(MAX);  SELECT @Parameter­Call­List = COALESCE(  STUFF((SELECT ','+P.name  FROM sys.parameters AS P  CROSS APPLY t­SQLt.Private\_­Get­Full­Type­Name(P.user\_type\_id,P.max\_length,P.precision,P.scale,NULL) AS T  WHERE P.object\_id = @Function­Object­Id  AND P.parameter\_id > 0  ORDER BY P.parameter\_id  FOR XML PATH(''),TYPE  ).value('.','NVARCHAR(MAX)'),1,1,''),'');  IF(@Is­Scalar­Function = 1)  BEGIN  EXEC('CREATE FUNCTION '+@Function­Name+'('+@Parameter­List+') RETURNS '+@Return­Type+' AS BEGIN RETURN '+@Fake­Function­Name+'('+@Parameter­Call­List+');END;');  END  ELSE  BEGIN  EXEC('CREATE FUNCTION '+@Function­Name+'('+@Parameter­List+') RETURNS TABLE AS RETURN SELECT \* FROM '+@Fake­Function­Name+'('+@Parameter­Call­List+');');  END;  END;  GO |

Uses

[[t­SQLt].[Private\_­Get­Full­Type­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetFullTypeName)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Fake­Function]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeFunction)

|  |
| --- |
| [t­SQLt].[Private\_­Create­Fake­Of­Table] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Schema­Name | nvarchar(max) | max |
| @Table­Name | nvarchar(max) | max |
| @New­Name­Of­Original­Table | nvarchar(max) | max |
| @Identity | bit | 1 |
| @Computed­Columns | bit | 1 |
| @Defaults | bit | 1 |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[Private\_­Create­Fake­Of­Table]  @Schema­Name NVARCHAR(MAX),  @Table­Name NVARCHAR(MAX),  @New­Name­Of­Original­Table NVARCHAR(MAX),  @Identity BIT,  @Computed­Columns BIT,  @Defaults BIT  AS  BEGIN  DECLARE @Cmd NVARCHAR(MAX);  DECLARE @Cols NVARCHAR(MAX);    SELECT @Cols =  (  SELECT  ',' +  QUOTENAME(name) +  cc.Column­Definition +  dc.Default­Definition +  id.Identity­Definition +  CASE WHEN cc.Is­Computed­Column = 1 OR id.Is­Identity­Column = 1  THEN ''  ELSE ' NULL'  END  FROM sys.columns c  CROSS APPLY t­SQLt.Private\_­Get­Data­Type­Or­Computed­Column­Definition(c.user\_type\_id, c.max\_length, c.precision, c.scale, c.collation\_name, c.object\_id, c.column\_id, @Computed­Columns) cc  CROSS APPLY t­SQLt.Private\_­Get­Default­Constraint­Definition(c.object\_id, c.column\_id, @Defaults) AS dc  CROSS APPLY t­SQLt.Private\_­Get­Identity­Definition(c.object\_id, c.column\_id, @Identity) AS id  WHERE object\_id = OBJECT\_­ID(@Schema­Name + '.' + @New­Name­Of­Original­Table)  ORDER BY column\_id  FOR XML PATH(''), TYPE  ).value('.', 'NVARCHAR(MAX)');    SELECT @Cmd = 'CREATE TABLE ' + @Schema­Name + '.' + @Table­Name + '(' + STUFF(@Cols,1,1,'') + ')';    EXEC (@Cmd);  END;  ---Build-  GO |

Uses

[[t­SQLt].[Private\_­Get­Data­Type­Or­Computed­Column­Definition]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetDataTypeOrComputedColumnDefinition)

[[t­SQLt].[Private\_­Get­Default­Constraint­Definition]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetDefaultConstraintDefinition)

[[t­SQLt].[Private\_­Get­Identity­Definition]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetIdentityDefinition)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

|  |
| --- |
| [t­SQLt].[Private\_­Create­Procedure­Spy] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Procedure­Object­Id | int | 4 |
| @Original­Procedure­Name | nvarchar(max) | max |
| @Log­Table­Name | nvarchar(max) | max |
| @Command­To­Execute | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[Private\_­Create­Procedure­Spy]  @Procedure­Object­Id INT,  @Original­Procedure­Name NVARCHAR(MAX),  @Log­Table­Name NVARCHAR(MAX),  @Command­To­Execute NVARCHAR(MAX) = NULL  AS  BEGIN  DECLARE @Cmd NVARCHAR(MAX);  DECLARE @Proc­Parm­List NVARCHAR(MAX),  @Table­Col­List NVARCHAR(MAX),  @Proc­Parm­Type­List NVARCHAR(MAX),  @Table­Col­Type­List NVARCHAR(MAX);    DECLARE @Seperator CHAR(1),  @Proc­Parm­Type­List­Separater CHAR(1),  @Param­Name sysname,  @Type­Name sysname,  @Is­Output BIT,  @Is­Cursor­Ref BIT;      SELECT @Seperator = '', @Proc­Parm­Type­List­Separater = '',  @Proc­Parm­List = '', @Table­Col­List = '', @Proc­Parm­Type­List = '', @Table­Col­Type­List = '';    DECLARE Parameters CURSOR FOR  SELECT p.name, t.Type­Name, is\_output, is\_cursor\_ref  FROM sys.parameters p  CROSS APPLY t­SQLt.Private\_­Get­Full­Type­Name(p.user\_type\_id,p.max\_length,p.precision,p.scale,NULL) t  WHERE object\_id = @Procedure­Object­Id;    OPEN Parameters;    FETCH NEXT FROM Parameters INTO @Param­Name, @Type­Name, @Is­Output, @Is­Cursor­Ref;  WHILE (@@FETCH\_­STATUS = 0)  BEGIN  IF @Is­Cursor­Ref = 0  BEGIN  SELECT @Proc­Parm­List = @Proc­Parm­List + @Seperator + @Param­Name,  @Table­Col­List = @Table­Col­List + @Seperator + '[' + STUFF(@Param­Name,1,1,'') + ']',  @Proc­Parm­Type­List = @Proc­Parm­Type­List + @Proc­Parm­Type­List­Separater + @Param­Name + ' ' + @Type­Name + ' = NULL ' +  CASE WHEN @Is­Output = 1 THEN ' OUT'  ELSE ''  END,  @Table­Col­Type­List = @Table­Col­Type­List + ',[' + STUFF(@Param­Name,1,1,'') + '] ' +  CASE WHEN @Type­Name LIKE '%nchar%'  OR @Type­Name LIKE '%nvarchar%'  THEN 'nvarchar(MAX)'  WHEN @Type­Name LIKE '%char%'  THEN 'varchar(MAX)'  ELSE @Type­Name  END + ' NULL';  SELECT @Seperator = ',';  SELECT @Proc­Parm­Type­List­Separater = ',';  END  ELSE  BEGIN  SELECT @Proc­Parm­Type­List = @Proc­Parm­Type­List­Separater + @Param­Name + ' CURSOR VARYING OUTPUT';  SELECT @Proc­Parm­Type­List­Separater = ',';  END;    FETCH NEXT FROM Parameters INTO @Param­Name, @Type­Name, @Is­Output, @Is­Cursor­Ref;  END;    CLOSE Parameters;  DEALLOCATE Parameters;    DECLARE @Insert­Stmt NVARCHAR(MAX);  SELECT @Insert­Stmt = 'INSERT INTO ' + @Log­Table­Name +  CASE WHEN @Table­Col­List = '' THEN ' DEFAULT VALUES'  ELSE ' (' + @Table­Col­List + ') SELECT ' + @Proc­Parm­List  END + ';';    SELECT @Cmd = 'CREATE TABLE ' + @Log­Table­Name + ' (\_id\_ int IDENTITY(1,1) PRIMARY KEY CLUSTERED ' + @Table­Col­Type­List + ');';  EXEC(@Cmd);  SELECT @Cmd = 'CREATE PROCEDURE ' + @Original­Procedure­Name + ' ' + @Proc­Parm­Type­List +  ' AS BEGIN ' +  @Insert­Stmt +  ISNULL(@Command­To­Execute, '') + ';' +  ' END;';  EXEC(@Cmd);  RETURN 0;  END;  ---Build-  GO |

Uses

[[t­SQLt].[Private\_­Get­Full­Type­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetFullTypeName)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Spy­Procedure]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/SpyProcedure)

|  |
| --- |
| [t­SQLt].[Private\_­Create­Result­Table­For­Compare­Tables] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Result­Table | nvarchar(max) | max |
| @Result­Column | nvarchar(max) | max |
| @Base­Table | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ---BUILD+  CREATE PROCEDURE [t­SQLt].[Private\_­Create­Result­Table­For­Compare­Tables]  @Result­Table NVARCHAR(MAX),  @Result­Column NVARCHAR(MAX),  @Base­Table NVARCHAR(MAX)  AS  BEGIN  DECLARE @Cmd NVARCHAR(MAX);  SET @Cmd = '  SELECT ''='' AS ' + @Result­Column + ', Expected.\* INTO ' + @Result­Table + '  FROM t­SQLt.Private\_­Null­Cell­Table N  LEFT JOIN ' + @Base­Table + ' AS Expected ON N.I <> N.I  TRUNCATE TABLE ' + @Result­Table + ';' --Need to insert an actual row to prevent IDENTITY property from transfering (IDENTITY\_­COL can't be NULLable);  EXEC(@Cmd);  END  ---BUILD-  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Assert­Equals­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEqualsTable)

|  |
| --- |
| [t­SQLt].[Private\_­Disallow­Overwriting­Non­Test­Schema] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Class­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[Private\_­Disallow­Overwriting­Non­Test­Schema]  @Class­Name NVARCHAR(MAX)  AS  BEGIN  IF SCHEMA\_­ID(@Class­Name) IS NOT NULL AND t­SQLt.Private\_­Is­Test­Class(@Class­Name) = 0  BEGIN  RAISERROR('Attempted to execute t­SQLt.New­Test­Class on ''%s'' which is an existing schema but not a test class', 16, 10, @Class­Name);  END  END;  ---Build-  GO |

Uses

[[t­SQLt].[Private\_­Is­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_IsTestClass)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[New­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/NewTestClass)

|  |
| --- |
| [t­SQLt].[Private\_­Get­Setup­Procedure­Name] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Max Length (Bytes) | Direction |
| @Test­Class­Id | int | 4 |  |
| @Setup­Proc­Name | nvarchar(max) | max | Out |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[Private\_­Get­Setup­Procedure­Name]  @Test­Class­Id INT = NULL,  @Setup­Proc­Name NVARCHAR(MAX) OUTPUT  AS  BEGIN  SELECT @Setup­Proc­Name = t­SQLt.Private\_­Get­Quoted­Full­Name(object\_id)  FROM sys.procedures  WHERE schema\_id = @Test­Class­Id  AND LOWER(name) = 'setup';  END;  GO |

Uses

[[t­SQLt].[Private\_­Get­Quoted­Full­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetQuotedFullName)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Run]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_Run)

[[t­SQLt].[Private\_­Run­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunTestClass)

|  |
| --- |
| [t­SQLt].[Private\_­Mark­Fake­Table] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Schema­Name | nvarchar(max) | max |
| @Table­Name | nvarchar(max) | max |
| @New­Name­Of­Original­Table | nvarchar(4000) | 8000 |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[Private\_­Mark­Fake­Table]  @Schema­Name NVARCHAR(MAX),  @Table­Name NVARCHAR(MAX),  @New­Name­Of­Original­Table NVARCHAR(4000)  AS  BEGIN  DECLARE @Unquoted­Schema­Name NVARCHAR(MAX);SET @Unquoted­Schema­Name = OBJECT\_­SCHEMA\_­NAME(OBJECT\_­ID(@Schema­Name+'.'+@Table­Name));  DECLARE @Unquoted­Table­Name NVARCHAR(MAX);SET @Unquoted­Table­Name = OBJECT\_­NAME(OBJECT\_­ID(@Schema­Name+'.'+@Table­Name));  EXEC sys.sp\_addextendedproperty  @name = N't­SQLt.Fake­Table\_­Org­Table­Name',  @value = @New­Name­Of­Original­Table,  @level0type = N'SCHEMA', @level0name = @Unquoted­Schema­Name,  @level1type = N'TABLE', @level1name = @Unquoted­Table­Name;  END;  ---Build-  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

|  |
| --- |
| [t­SQLt].[Private\_­Mark­Object­Before­Rename] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Schema­Name | nvarchar(max) | max |
| @Original­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[Private\_­Mark­Object­Before­Rename]  @Schema­Name NVARCHAR(MAX),  @Original­Name NVARCHAR(MAX)  AS  BEGIN  INSERT INTO t­SQLt.Private\_­Renamed­Object­Log (Object­Id, Original­Name)  VALUES (OBJECT\_­ID(@Schema­Name + '.' + @Original­Name), @Original­Name);  END;  ---Build-  GO |

Uses

[[t­SQLt].[Private\_­Renamed­Object­Log]](#B3VZJY1/User_databases/App4Learn/Tables/Private_RenamedObjectLog)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Rename­Object­To­Unique­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RenameObjectToUniqueName)

|  |
| --- |
| [t­SQLt].[Private\_­Mark­Schema­As­Test­Class] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Quoted­Class­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[Private\_­Mark­Schema­As­Test­Class]  @Quoted­Class­Name NVARCHAR(MAX)  AS  BEGIN  DECLARE @Unquoted­Class­Name NVARCHAR(MAX);  SELECT @Unquoted­Class­Name = name  FROM sys.schemas  WHERE QUOTENAME(name) = @Quoted­Class­Name;  EXEC sp\_addextendedproperty @name = N't­SQLt.Test­Class',  @value = 1,  @level0type = 'SCHEMA',  @level0name = @Unquoted­Class­Name;  END;  ---Build-  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[New­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/NewTestClass)

|  |
| --- |
| [t­SQLt].[Private\_­Output­Test­Results] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Test­Result­Formatter | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Private\_­Output­Test­Results]  @Test­Result­Formatter NVARCHAR(MAX) = NULL  AS  BEGIN  DECLARE @Formatter NVARCHAR(MAX);  SELECT @Formatter = COALESCE(@Test­Result­Formatter, t­SQLt.Get­Test­Result­Formatter());  EXEC (@Formatter);  END  GO |

Uses

[[t­SQLt].[Get­Test­Result­Formatter]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/GetTestResultFormatter)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Run]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_Run)

[[t­SQLt].[Private\_­Run­All]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunAll)

|  |
| --- |
| [t­SQLt].[Private\_­Print] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Message | nvarchar(max) | max |
| @Severity | int | 4 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Private\_­Print]  @Message NVARCHAR(MAX),  @Severity INT = 0  AS  BEGIN  DECLARE @SPos INT;SET @SPos = 1;  DECLARE @EPos INT;  DECLARE @Len INT; SET @Len = LEN(@Message);  DECLARE @Sub­Msg NVARCHAR(MAX);  DECLARE @Cmd NVARCHAR(MAX);    DECLARE @Cleaned­Message NVARCHAR(MAX);  SET @Cleaned­Message = REPLACE(@Message,'%','%%');    WHILE (@SPos <= @Len)  BEGIN  SET @EPos = CHARINDEX(CHAR(13)+CHAR(10),@Cleaned­Message+CHAR(13)+CHAR(10),@SPos);  SET @Sub­Msg = SUBSTRING(@Cleaned­Message, @SPos, @EPos - @SPos);  SET @Cmd = N'RAISERROR(@Msg,@Severity,10) WITH NOWAIT;';  EXEC sp\_executesql @Cmd,  N'@Msg NVARCHAR(MAX),@Severity INT',  @Sub­Msg,  @Severity;  SELECT @SPos = @EPos + 2,  @Severity = 0; --Print only first line with high severity  END  RETURN 0;  END;  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Default­Result­Formatter]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/DefaultResultFormatter)

[[t­SQLt].[Private\_­Run­Test]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunTest)

|  |
| --- |
| [t­SQLt].[Private\_­Print­XML] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Message | xml | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Private\_­Print­XML]  @Message XML  AS  BEGIN  SELECT @Message FOR XML PATH('');--Required together with ":XML ON" sqlcmd statement to allow more than 1mb to be returned  RETURN 0;  END;  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Xml­Result­Formatter]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/XmlResultFormatter)

|  |
| --- |
| [t­SQLt].[Private\_­Rename­Object­To­Unique­Name] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Max Length (Bytes) | Direction |
| @Schema­Name | nvarchar(max) | max |  |
| @Object­Name | nvarchar(max) | max |  |
| @New­Name | nvarchar(max) | max | Out |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[Private\_­Rename­Object­To­Unique­Name]  @Schema­Name NVARCHAR(MAX),  @Object­Name NVARCHAR(MAX),  @New­Name NVARCHAR(MAX) = NULL OUTPUT  AS  BEGIN  SET @New­Name=t­SQLt.Private::Create­Unique­Object­Name();  DECLARE @Rename­Cmd NVARCHAR(MAX);  SET @Rename­Cmd = 'EXEC sp\_rename ''' +  @Schema­Name + '.' + @Object­Name + ''', ''' +  @New­Name + ''';';    EXEC t­SQLt.Private\_­Mark­Object­Before­Rename @Schema­Name, @Object­Name;  EXEC t­SQLt.Suppress­Output @Rename­Cmd;  END;  ---Build-  GO |

Uses

[[t­SQLt].[Private\_­Mark­Object­Before­Rename]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_MarkObjectBeforeRename)

[[t­SQLt].[Suppress­Output]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/SuppressOutput)

[[t­SQLt].[Private]](#B3VZJY1/User_databases/App4Learn/Programmability/Types/User-Defined_Types/Private)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

[[t­SQLt].[Private\_­Apply­Foreign­Key­Constraint]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ApplyForeignKeyConstraint)

[[t­SQLt].[Private\_­Rename­Object­To­Unique­Name­Using­Object­Id]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RenameObjectToUniqueNameUsingObjectId)

|  |
| --- |
| [t­SQLt].[Private\_­Rename­Object­To­Unique­Name­Using­Object­Id] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Max Length (Bytes) | Direction |
| @Object­Id | int | 4 |  |
| @New­Name | nvarchar(max) | max | Out |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[Private\_­Rename­Object­To­Unique­Name­Using­Object­Id]  @Object­Id INT,  @New­Name NVARCHAR(MAX) = NULL OUTPUT  AS  BEGIN  DECLARE @Schema­Name NVARCHAR(MAX);  DECLARE @Object­Name NVARCHAR(MAX);    SELECT @Schema­Name = QUOTENAME(OBJECT\_­SCHEMA\_­NAME(@Object­Id)), @Object­Name = QUOTENAME(OBJECT\_­NAME(@Object­Id));    EXEC t­SQLt.Private\_­Rename­Object­To­Unique­Name @Schema­Name,@Object­Name, @New­Name OUTPUT;  END;  ---Build-  GO |

Uses

[[t­SQLt].[Private\_­Rename­Object­To­Unique­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RenameObjectToUniqueName)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Apply­Check­Constraint]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ApplyCheckConstraint)

[[t­SQLt].[Remove­Object]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RemoveObject)

[[t­SQLt].[Spy­Procedure]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/SpyProcedure)

|  |
| --- |
| [t­SQLt].[Private\_­Run] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Test­Name | nvarchar(max) | max |
| @Test­Result­Formatter | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Private\_­Run]  @Test­Name NVARCHAR(MAX),  @Test­Result­Formatter NVARCHAR(MAX)  AS  BEGIN  SET NOCOUNT ON;  DECLARE @Full­Name NVARCHAR(MAX);  DECLARE @Test­Class­Id INT;  DECLARE @Is­Test­Class BIT;  DECLARE @Is­Test­Case BIT;  DECLARE @Is­Schema BIT;  DECLARE @Set­Up NVARCHAR(MAX);SET @Set­Up = NULL;    SELECT @Test­Name = t­SQLt.Private\_­Get­Last­Test­Name­If­Not­Provided(@Test­Name);  EXEC t­SQLt.Private\_­Save­Test­Name­For­Session @Test­Name;    SELECT @Test­Class­Id = schema­Id,  @Full­Name = quoted­Full­Name,  @Is­Test­Class = is­Test­Class,  @Is­Schema = is­Schema,  @Is­Test­Case = is­Test­Case  FROM t­SQLt.Private\_­Resolve­Name(@Test­Name);    EXEC t­SQLt.Private\_­Clean­Test­Result;  IF @Is­Schema = 1  BEGIN  EXEC t­SQLt.Private\_­Run­Test­Class @Full­Name;  END    IF @Is­Test­Case = 1  BEGIN  DECLARE @Setup­Proc­Name NVARCHAR(MAX);  EXEC t­SQLt.Private\_­Get­Setup­Procedure­Name @Test­Class­Id, @Setup­Proc­Name OUTPUT;  EXEC t­SQLt.Private\_­Run­Test @Full­Name, @Setup­Proc­Name;  END;  EXEC t­SQLt.Private\_­Output­Test­Results @Test­Result­Formatter;  END;  GO |

Uses

[[t­SQLt].[Private\_­Clean­Test­Result]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CleanTestResult)

[[t­SQLt].[Private\_­Get­Setup­Procedure­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_GetSetupProcedureName)

[[t­SQLt].[Private\_­Output­Test­Results]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_OutputTestResults)

[[t­SQLt].[Private\_­Run­Test]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunTest)

[[t­SQLt].[Private\_­Run­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunTestClass)

[[t­SQLt].[Private\_­Save­Test­Name­For­Session]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_SaveTestNameForSession)

[[t­SQLt].[Private\_­Get­Last­Test­Name­If­Not­Provided]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetLastTestNameIfNotProvided)

[[t­SQLt].[Private\_­Resolve­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_ResolveName)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Run]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Run)

[[t­SQLt].[Run­With­Null­Results]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RunWithNullResults)

[[t­SQLt].[Run­With­Xml­Results]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RunWithXmlResults)

|  |
| --- |
| [t­SQLt].[Private\_­Run­All] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Test­Result­Formatter | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Private\_­Run­All]  @Test­Result­Formatter NVARCHAR(MAX)  AS  BEGIN  SET NOCOUNT ON;  DECLARE @Test­Class­Name NVARCHAR(MAX);  DECLARE @Test­Proc­Name NVARCHAR(MAX);  EXEC t­SQLt.Private\_­Clean­Test­Result;  DECLARE tests CURSOR LOCAL FAST\_­FORWARD FOR  SELECT Name  FROM t­SQLt.Test­Classes;  OPEN tests;    FETCH NEXT FROM tests INTO @Test­Class­Name;  WHILE @@FETCH\_­STATUS = 0  BEGIN  EXEC t­SQLt.Private\_­Run­Test­Class @Test­Class­Name;    FETCH NEXT FROM tests INTO @Test­Class­Name;  END;    CLOSE tests;  DEALLOCATE tests;    EXEC t­SQLt.Private\_­Output­Test­Results @Test­Result­Formatter;  END;  GO |

Uses

[[t­SQLt].[Test­Classes]](#B3VZJY1/User_databases/App4Learn/Views/TestClasses)

[[t­SQLt].[Private\_­Clean­Test­Result]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CleanTestResult)

[[t­SQLt].[Private\_­Output­Test­Results]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_OutputTestResults)

[[t­SQLt].[Private\_­Run­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunTestClass)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Run­All]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RunAll)

|  |
| --- |
| [t­SQLt].[Private\_­Run­Test] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Test­Name | nvarchar(max) | max |
| @Set­Up | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Private\_­Run­Test]  @Test­Name NVARCHAR(MAX),  @Set­Up NVARCHAR(MAX) = NULL  AS  BEGIN  DECLARE @Msg NVARCHAR(MAX); SET @Msg = '';  DECLARE @Msg2 NVARCHAR(MAX); SET @Msg2 = '';  DECLARE @Cmd NVARCHAR(MAX); SET @Cmd = '';  DECLARE @Test­Class­Name NVARCHAR(MAX); SET @Test­Class­Name = '';  DECLARE @Test­Proc­Name NVARCHAR(MAX); SET @Test­Proc­Name = '';  DECLARE @Result NVARCHAR(MAX); SET @Result = 'Success';  DECLARE @Tran­Name CHAR(32); EXEC t­SQLt.Get­New­Tran­Name @Tran­Name OUT;  DECLARE @Test­Result­Id INT;  DECLARE @Pre­Exec­Trancount INT;    TRUNCATE TABLE t­SQLt.Capture­Output­Log;  CREATE TABLE #Expect­Exception(Expect­Exception INT,Expected­Message NVARCHAR(MAX), Expected­Severity INT, Expected­State INT, Expected­Message­Pattern NVARCHAR(MAX), Expected­Error­Number INT, Fail­Message NVARCHAR(MAX));  IF EXISTS (SELECT 1 FROM sys.extended\_properties WHERE name = N'Set­Fake­View­On­Trigger')  BEGIN  RAISERROR('Test system is in an invalid state. Set­Fake­View­Off must be called if Set­Fake­View­On was called. Call Set­Fake­View­Off after creating all test case procedures.', 16, 10) WITH NOWAIT;  RETURN -1;  END;  SELECT @Cmd = 'EXEC ' + @Test­Name;    SELECT @Test­Class­Name = OBJECT\_­SCHEMA\_­NAME(OBJECT\_­ID(@Test­Name)), --t­SQLt.Private\_­Get­Clean­Schema­Name('', @Test­Name),  @Test­Proc­Name = t­SQLt.Private\_­Get­Clean­Object­Name(@Test­Name);    INSERT INTO t­SQLt.Test­Result(Class, Test­Case, Tran­Name, Result)  SELECT @Test­Class­Name, @Test­Proc­Name, @Tran­Name, 'A severe error happened during test execution. Test did not finish.'  OPTION(MAXDOP 1);  SELECT @Test­Result­Id = SCOPE\_­IDENTITY();  BEGIN TRAN;  SAVE TRAN @Tran­Name;  SET @Pre­Exec­Trancount = @@TRANCOUNT;    TRUNCATE TABLE t­SQLt.Test­Message;  DECLARE @Tmp­Msg NVARCHAR(MAX);  BEGIN TRY  IF (@Set­Up IS NOT NULL) EXEC @Set­Up;  EXEC (@Cmd);  IF(EXISTS(SELECT 1 FROM #Expect­Exception WHERE Expect­Exception = 1))  BEGIN  SET @Tmp­Msg = COALESCE((SELECT Fail­Message FROM #Expect­Exception)+' ','')+'Expected an error to be raised.';  EXEC t­SQLt.Fail @Tmp­Msg;  END  END TRY  BEGIN CATCH  IF ERROR\_­MESSAGE() LIKE '%t­SQLt.Failure%'  BEGIN  SELECT @Msg = Msg FROM t­SQLt.Test­Message;  SET @Result = 'Failure';  END  ELSE  BEGIN  DECLARE @Error­Info NVARCHAR(MAX);  SELECT @Error­Info =  COALESCE(ERROR\_­MESSAGE(), '<ERROR\_­MESSAGE() is NULL>') +  '[' +COALESCE(LTRIM(STR(ERROR\_­SEVERITY())), '<ERROR\_­SEVERITY() is NULL>') + ','+COALESCE(LTRIM(STR(ERROR\_­STATE())), '<ERROR\_­STATE() is NULL>') + ']' +  '{' + COALESCE(ERROR\_­PROCEDURE(), '<ERROR\_­PROCEDURE() is NULL>') + ',' + COALESCE(CAST(ERROR\_­LINE() AS NVARCHAR), '<ERROR\_­LINE() is NULL>') + '}';  IF(EXISTS(SELECT 1 FROM #Expect­Exception))  BEGIN  DECLARE @Expect­Exception INT;  DECLARE @Expected­Message NVARCHAR(MAX);  DECLARE @Expected­Message­Pattern NVARCHAR(MAX);  DECLARE @Expected­Severity INT;  DECLARE @Expected­State INT;  DECLARE @Expected­Error­Number INT;  DECLARE @Fail­Message NVARCHAR(MAX);  SELECT @Expect­Exception = Expect­Exception,  @Expected­Message = Expected­Message,  @Expected­Severity = Expected­Severity,  @Expected­State = Expected­State,  @Expected­Message­Pattern = Expected­Message­Pattern,  @Expected­Error­Number = Expected­Error­Number,  @Fail­Message = Fail­Message  FROM #Expect­Exception;  IF(@Expect­Exception = 1)  BEGIN  SET @Result = 'Success';  SET @Tmp­Msg = COALESCE(@Fail­Message+' ','')+'Exception did not match expectation!';  IF(ERROR\_­MESSAGE() <> @Expected­Message)  BEGIN  SET @Tmp­Msg = @Tmp­Msg +CHAR(13)+CHAR(10)+  'Expected Message: <'+@Expected­Message+'>'+CHAR(13)+CHAR(10)+  'Actual Message : <'+ERROR\_­MESSAGE()+'>';  SET @Result = 'Failure';  END  IF(ERROR\_­MESSAGE() NOT LIKE @Expected­Message­Pattern)  BEGIN  SET @Tmp­Msg = @Tmp­Msg +CHAR(13)+CHAR(10)+  'Expected Message to be like <'+@Expected­Message­Pattern+'>'+CHAR(13)+CHAR(10)+  'Actual Message : <'+ERROR\_­MESSAGE()+'>';  SET @Result = 'Failure';  END  IF(ERROR\_­NUMBER() <> @Expected­Error­Number)  BEGIN  SET @Tmp­Msg = @Tmp­Msg +CHAR(13)+CHAR(10)+  'Expected Error Number: '+CAST(@Expected­Error­Number AS NVARCHAR(MAX))+CHAR(13)+CHAR(10)+  'Actual Error Number : '+CAST(ERROR\_­NUMBER() AS NVARCHAR(MAX));  SET @Result = 'Failure';  END  IF(ERROR\_­SEVERITY() <> @Expected­Severity)  BEGIN  SET @Tmp­Msg = @Tmp­Msg +CHAR(13)+CHAR(10)+  'Expected Severity: '+CAST(@Expected­Severity AS NVARCHAR(MAX))+CHAR(13)+CHAR(10)+  'Actual Severity : '+CAST(ERROR\_­SEVERITY() AS NVARCHAR(MAX));  SET @Result = 'Failure';  END  IF(ERROR\_­STATE() <> @Expected­State)  BEGIN  SET @Tmp­Msg = @Tmp­Msg +CHAR(13)+CHAR(10)+  'Expected State: '+CAST(@Expected­State AS NVARCHAR(MAX))+CHAR(13)+CHAR(10)+  'Actual State : '+CAST(ERROR\_­STATE() AS NVARCHAR(MAX));  SET @Result = 'Failure';  END  IF(@Result = 'Failure')  BEGIN  SET @Msg = @Tmp­Msg;  END  END  ELSE  BEGIN  SET @Result = 'Failure';  SET @Msg =  COALESCE(@Fail­Message+' ','')+  'Expected no error to be raised. Instead this error was encountered:'+  CHAR(13)+CHAR(10)+  @Error­Info;  END  END  ELSE  BEGIN  SET @Result = 'Error';  SET @Msg = @Error­Info;  END  END;  END CATCH  BEGIN TRY  ROLLBACK TRAN @Tran­Name;  END TRY  BEGIN CATCH  DECLARE @Post­Exec­Trancount INT;  SET @Post­Exec­Trancount = @Pre­Exec­Trancount - @@TRANCOUNT;  IF (@@TRANCOUNT > 0) ROLLBACK;  BEGIN TRAN;  IF( @Result <> 'Success'  OR @Post­Exec­Trancount <> 0  )  BEGIN  SELECT @Msg = COALESCE(@Msg, '<NULL>') + ' (There was also a ROLLBACK ERROR --> ' + COALESCE(ERROR\_­MESSAGE(), '<ERROR\_­MESSAGE() is NULL>') + '{' + COALESCE(ERROR\_­PROCEDURE(), '<ERROR\_­PROCEDURE() is NULL>') + ',' + COALESCE(CAST(ERROR\_­LINE() AS NVARCHAR), '<ERROR\_­LINE() is NULL>') + '})';  SET @Result = 'Error';  END  END CATCH  If(@Result <> 'Success')  BEGIN  SET @Msg2 = @Test­Name + ' failed: (' + @Result + ') ' + @Msg;  EXEC t­SQLt.Private\_­Print @Message = @Msg2, @Severity = 0;  END  IF EXISTS(SELECT 1 FROM t­SQLt.Test­Result WHERE Id = @Test­Result­Id)  BEGIN  UPDATE t­SQLt.Test­Result SET  Result = @Result,  Msg = @Msg  WHERE Id = @Test­Result­Id;  END  ELSE  BEGIN  INSERT t­SQLt.Test­Result(Class, Test­Case, Tran­Name, Result, Msg)  SELECT @Test­Class­Name,  @Test­Proc­Name,  '?',  'Error',  'Test­Result entry is missing; Original outcome: ' + @Result + ', ' + @Msg;  END    COMMIT;  END;  GO |

Uses

[[t­SQLt].[Capture­Output­Log]](#B3VZJY1/User_databases/App4Learn/Tables/CaptureOutputLog)

[[t­SQLt].[Test­Message]](#B3VZJY1/User_databases/App4Learn/Tables/TestMessage)

[[t­SQLt].[Test­Result]](#B3VZJY1/User_databases/App4Learn/Tables/TestResult)

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[[t­SQLt].[Get­New­Tran­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetNewTranName)

[[t­SQLt].[Private\_­Print]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_Print)

[[t­SQLt].[Private\_­Get­Clean­Object­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetCleanObjectName)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Run]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_Run)

[[t­SQLt].[Private\_­Run­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunTestClass)

|  |
| --- |
| [t­SQLt].[Private\_­Run­Test­Class] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Test­Class­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Private\_­Run­Test­Class]  @Test­Class­Name NVARCHAR(MAX)  AS  BEGIN  DECLARE @Test­Case­Name NVARCHAR(MAX);  DECLARE @Test­Class­Id INT; SET @Test­Class­Id = t­SQLt.Private\_­Get­Schema­Id(@Test­Class­Name);  DECLARE @Setup­Proc­Name NVARCHAR(MAX);  EXEC t­SQLt.Private\_­Get­Setup­Procedure­Name @Test­Class­Id, @Setup­Proc­Name OUTPUT;    DECLARE test­Cases CURSOR LOCAL FAST\_­FORWARD  FOR  SELECT t­SQLt.Private\_­Get­Quoted­Full­Name(object\_id)  FROM sys.procedures  WHERE schema\_id = @Test­Class­Id  AND LOWER(name) LIKE 'test%';  OPEN test­Cases;    FETCH NEXT FROM test­Cases INTO @Test­Case­Name;  WHILE @@FETCH\_­STATUS = 0  BEGIN  EXEC t­SQLt.Private\_­Run­Test @Test­Case­Name, @Setup­Proc­Name;  FETCH NEXT FROM test­Cases INTO @Test­Case­Name;  END;  CLOSE test­Cases;  DEALLOCATE test­Cases;  END;  GO |

Uses

[[t­SQLt].[Private\_­Get­Setup­Procedure­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_GetSetupProcedureName)

[[t­SQLt].[Private\_­Run­Test]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunTest)

[[t­SQLt].[Private\_­Get­Quoted­Full­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetQuotedFullName)

[[t­SQLt].[Private\_­Get­Schema­Id]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetSchemaId)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Run]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_Run)

[[t­SQLt].[Private\_­Run­All]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunAll)

|  |
| --- |
| [t­SQLt].[Private\_­Save­Test­Name­For­Session] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Test­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Private\_­Save­Test­Name­For­Session]  @Test­Name NVARCHAR(MAX)  AS  BEGIN  DELETE FROM t­SQLt.Run\_­Last­Execution  WHERE Session­Id = @@SPID;  INSERT INTO t­SQLt.Run\_­Last­Execution(Test­Name, Session­Id, Login­Time)  SELECT Test­Name = @Test­Name,  session\_id,  login\_time  FROM sys.dm\_exec\_sessions  WHERE session\_id = @@SPID;  END  GO |

Uses

[[t­SQLt].[Run\_­Last­Execution]](#B3VZJY1/User_databases/App4Learn/Tables/Run_LastExecution)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Run]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_Run)

|  |
| --- |
| [t­SQLt].[Private\_­Set­Fake­View­Off\_­Single­View] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @View­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Private\_­Set­Fake­View­Off\_­Single­View]  @View­Name NVARCHAR(MAX)  AS  BEGIN  DECLARE @Cmd NVARCHAR(MAX),  @Schema­Name NVARCHAR(MAX),  @Trigger­Name NVARCHAR(MAX);    SELECT @Schema­Name = QUOTENAME(OBJECT\_­SCHEMA\_­NAME(Obj­Id)),  @Trigger­Name = QUOTENAME(OBJECT\_­NAME(Obj­Id) + '\_­Set­Fake­View­On')  FROM (SELECT OBJECT\_­ID(@View­Name) AS Obj­Id) X;    SET @Cmd = 'DROP TRIGGER %SCHEMA\_­NAME%.%TRIGGER\_­NAME%;';    SET @Cmd = REPLACE(@Cmd, '%SCHEMA\_­NAME%', @Schema­Name);  SET @Cmd = REPLACE(@Cmd, '%TRIGGER\_­NAME%', @Trigger­Name);    EXEC(@Cmd);  END;  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Set­Fake­View­Off]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/SetFakeViewOff)

|  |
| --- |
| [t­SQLt].[Private\_­Set­Fake­View­On\_­Single­View] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @View­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Private\_­Set­Fake­View­On\_­Single­View]  @View­Name NVARCHAR(MAX)  AS  BEGIN  DECLARE @Cmd NVARCHAR(MAX),  @Schema­Name NVARCHAR(MAX),  @Trigger­Name NVARCHAR(MAX);    SELECT @Schema­Name = OBJECT\_­SCHEMA\_­NAME(Obj­Id),  @View­Name = OBJECT\_­NAME(Obj­Id),  @Trigger­Name = OBJECT\_­NAME(Obj­Id) + '\_­Set­Fake­View­On'  FROM (SELECT OBJECT\_­ID(@View­Name) AS Obj­Id) X;  SET @Cmd =  'CREATE TRIGGER $$SCHEMA\_­NAME$$.$$TRIGGER\_­NAME$$  ON $$SCHEMA\_­NAME$$.$$VIEW\_­NAME$$ INSTEAD OF INSERT AS  BEGIN  RAISERROR(''Test system is in an invalid state. Set­Fake­View­Off must be called if Set­Fake­View­On was called. Call Set­Fake­View­Off after creating all test case procedures.'', 16, 10) WITH NOWAIT;  RETURN;  END;  ';    SET @Cmd = REPLACE(@Cmd, '$$SCHEMA\_­NAME$$', QUOTENAME(@Schema­Name));  SET @Cmd = REPLACE(@Cmd, '$$VIEW\_­NAME$$', QUOTENAME(@View­Name));  SET @Cmd = REPLACE(@Cmd, '$$TRIGGER\_­NAME$$', QUOTENAME(@Trigger­Name));  EXEC(@Cmd);  EXEC sp\_addextendedproperty @name = N'Set­Fake­View­On­Trigger',  @value = 1,  @level0type = 'SCHEMA',  @level0name = @Schema­Name,  @level1type = 'VIEW',  @level1name = @View­Name,  @level2type = 'TRIGGER',  @level2name = @Trigger­Name;  RETURN 0;  END;  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Set­Fake­View­On]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/SetFakeViewOn)

|  |
| --- |
| [t­SQLt].[Private\_­Validate­Fake­Table­Parameters] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Schema­Name | nvarchar(max) | max |
| @Orig­Table­Name | nvarchar(max) | max |
| @Orig­Schema­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[Private\_­Validate­Fake­Table­Parameters]  @Schema­Name NVARCHAR(MAX),  @Orig­Table­Name NVARCHAR(MAX),  @Orig­Schema­Name NVARCHAR(MAX)  AS  BEGIN  IF @Schema­Name IS NULL  BEGIN  DECLARE @Full­Name NVARCHAR(MAX); SET @Full­Name = @Orig­Table­Name + COALESCE('.' + @Orig­Schema­Name, '');    RAISERROR ('Fake­Table could not resolve the object name, ''%s''. Be sure to call Fake­Table and pass in a single parameter, such as: EXEC t­SQLt.Fake­Table ''My­Schema.My­Table''',  16, 10, @Full­Name);  END;  END;  ---Build-  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

|  |
| --- |
| [t­SQLt].[Private\_­Validate­Objects­Compatible­With­Fake­Function] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Max Length (Bytes) | Direction |
| @Function­Name | nvarchar(max) | max |  |
| @Fake­Function­Name | nvarchar(max) | max |  |
| @Function­Object­Id | int | 4 | Out |
| @Fake­Function­Object­Id | int | 4 | Out |
| @Is­Scalar­Function | bit | 1 | Out |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Private\_­Validate­Objects­Compatible­With­Fake­Function]  @Function­Name NVARCHAR(MAX),  @Fake­Function­Name NVARCHAR(MAX),  @Function­Object­Id INT OUTPUT,  @Fake­Function­Object­Id INT OUTPUT,  @Is­Scalar­Function BIT OUTPUT  AS  BEGIN  SET @Function­Object­Id = OBJECT\_­ID(@Function­Name);  SET @Fake­Function­Object­Id = OBJECT\_­ID(@Fake­Function­Name);  IF(@Function­Object­Id IS NULL)  BEGIN  RAISERROR('%s does not exist!',16,10,@Function­Name);  END;  IF(@Fake­Function­Object­Id IS NULL)  BEGIN  RAISERROR('%s does not exist!',16,10,@Fake­Function­Name);  END;    DECLARE @Function­Type CHAR(2);  DECLARE @Fake­Function­Type CHAR(2);  SELECT @Function­Type = type FROM sys.objects WHERE object\_id = @Function­Object­Id;  SELECT @Fake­Function­Type = type FROM sys.objects WHERE object\_id = @Fake­Function­Object­Id;  IF((@Function­Type IN('FN','FS') AND @Fake­Function­Type NOT IN('FN','FS'))  OR  (@Function­Type IN('TF','IF','FT') AND @Fake­Function­Type NOT IN('TF','IF','FT'))  OR  (@Function­Type NOT IN('FN','FS','TF','IF','FT'))  )  BEGIN  RAISERROR('Both parameters must contain the name of either scalar or table valued functions!',16,10);  END;    SET @Is­Scalar­Function = CASE WHEN @Function­Type IN('FN','FS') THEN 1 ELSE 0 END;    IF(EXISTS(SELECT 1  FROM sys.parameters AS P  WHERE P.object\_id IN(@Function­Object­Id,@Fake­Function­Object­Id)  GROUP BY P.name, P.max\_length, P.precision, P.scale, P.parameter\_id  HAVING COUNT(1) <> 2  ))  BEGIN  RAISERROR('Parameters of both functions must match! (This includes the return type for scalar functions.)',16,10);  END;  END;  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Fake­Function]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeFunction)

|  |
| --- |
| [t­SQLt].[Private\_­Validate­Procedure­Can­Be­Used­With­Spy­Procedure] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Procedure­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Private\_­Validate­Procedure­Can­Be­Used­With­Spy­Procedure]  @Procedure­Name NVARCHAR(MAX)  AS  BEGIN  IF NOT EXISTS(SELECT 1 FROM sys.procedures WHERE object\_id = OBJECT\_­ID(@Procedure­Name))  BEGIN  RAISERROR('Cannot use Spy­Procedure on %s because the procedure does not exist', 16, 10, @Procedure­Name) WITH NOWAIT;  END;    IF (1020 < (SELECT COUNT(\*) FROM sys.parameters WHERE object\_id = OBJECT\_­ID(@Procedure­Name)))  BEGIN  RAISERROR('Cannot use Spy­Procedure on procedure %s because it contains more than 1020 parameters', 16, 10, @Procedure­Name) WITH NOWAIT;  END;  END;  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Spy­Procedure]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/SpyProcedure)

|  |
| --- |
| [t­SQLt].[Private\_­Validate­That­All­Data­Types­In­Table­Are­Supported] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Result­Table | nvarchar(max) | max |
| @Column­List | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ---BUILD+  CREATE PROCEDURE [t­SQLt].[Private\_­Validate­That­All­Data­Types­In­Table­Are­Supported]  @Result­Table NVARCHAR(MAX),  @Column­List NVARCHAR(MAX)  AS  BEGIN  BEGIN TRY  EXEC('DECLARE @Eat­Result INT; SELECT @Eat­Result = COUNT(1) FROM ' + @Result­Table + ' GROUP BY ' + @Column­List + ';');  END TRY  BEGIN CATCH  RAISERROR('The table contains a datatype that is not supported for t­SQLt.Assert­Equals­Table. Please refer to http://tsqlt.org/user-guide/assertions/assertequalstable/ for a list of unsupported datatypes.',16,10);  END CATCH  END;  ---BUILD-  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Assert­Equals­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEqualsTable)

|  |
| --- |
| [t­SQLt].[Remove­Object] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Max Length (Bytes) | Direction |
| @Object­Name | nvarchar(max) | max |  |
| @New­Name | nvarchar(max) | max | Out |

SQL Script

|  |
| --- |
| ---BUILD+  CREATE PROCEDURE [t­SQLt].[Remove­Object]  @Object­Name NVARCHAR(MAX),  @New­Name NVARCHAR(MAX) = NULL OUTPUT  AS  BEGIN  DECLARE @Object­Id INT;  SELECT @Object­Id = OBJECT\_­ID(@Object­Name);    IF(@Object­Id IS NULL)  BEGIN  RAISERROR('%s does not exist!',16,10,@Object­Name);  END;  EXEC t­SQLt.Private\_­Rename­Object­To­Unique­Name­Using­Object­Id @Object­Id, @New­Name = @New­Name OUTPUT;  END;  ---Build-  GO |

Uses

[[t­SQLt].[Private\_­Rename­Object­To­Unique­Name­Using­Object­Id]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RenameObjectToUniqueNameUsingObjectId)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Apply­Trigger]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ApplyTrigger)

[[t­SQLt].[Fake­Function]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeFunction)

|  |
| --- |
| [t­SQLt].[Rename­Class] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Schema­Name | nvarchar(max) | max |
| @New­Schema­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[Rename­Class]  @Schema­Name NVARCHAR(MAX),  @New­Schema­Name NVARCHAR(MAX)  AS  BEGIN  DECLARE @Migrate­Objects­Command NVARCHAR(MAX);  SELECT @New­Schema­Name = PARSENAME(@New­Schema­Name, 1),  @Schema­Name = PARSENAME(@Schema­Name, 1);  EXEC t­SQLt.New­Test­Class @New­Schema­Name;  SELECT @Migrate­Objects­Command = (  SELECT Cmd AS [text()] FROM (  SELECT 'ALTER SCHEMA ' + QUOTENAME(@New­Schema­Name) + ' TRANSFER ' + QUOTENAME(@Schema­Name) + '.' + QUOTENAME(name) + ';' AS Cmd  FROM sys.objects  WHERE schema\_id = SCHEMA\_­ID(@Schema­Name)  AND type NOT IN ('PK', 'F')  UNION ALL  SELECT 'ALTER SCHEMA ' + QUOTENAME(@New­Schema­Name) + ' TRANSFER XML SCHEMA COLLECTION::' + QUOTENAME(@Schema­Name) + '.' + QUOTENAME(name) + ';' AS Cmd  FROM sys.xml\_schema\_collections  WHERE schema\_id = SCHEMA\_­ID(@Schema­Name)  UNION ALL  SELECT 'ALTER SCHEMA ' + QUOTENAME(@New­Schema­Name) + ' TRANSFER TYPE::' + QUOTENAME(@Schema­Name) + '.' + QUOTENAME(name) + ';' AS Cmd  FROM sys.types  WHERE schema\_id = SCHEMA\_­ID(@Schema­Name)  ) AS Cmds  FOR XML PATH(''), TYPE).value('.', 'NVARCHAR(MAX)');  EXEC (@Migrate­Objects­Command);  EXEC t­SQLt.Drop­Class @Schema­Name;  END;  ---Build-  GO |

Uses

[[t­SQLt].[Drop­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/DropClass)

[[t­SQLt].[New­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/NewTestClass)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Result­Set­Filter] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | False |
| Quoted Identifier On | False |
| Assembly | [t­SQLt­CLR.t­SQLt­CLR.Stored­Procedures.Result­Set­Filter](#B3VZJY1/User_databases/App4Learn/Programmability/Assemblies/tSQLtCLR) |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Resultset­No | int | 4 |
| @Command | nvarchar(max) | max |

SQL Script

|  |
| --- |
| SET QUOTED\_­IDENTIFIER OFF  GO  SET ANSI\_­NULLS OFF  GO  CREATE PROCEDURE [t­SQLt].[Result­Set­Filter] (@Resultset­No [int], @Command [nvarchar] (max))  WITH EXECUTE AS CALLER  AS EXTERNAL NAME [t­SQLt­CLR].[t­SQLt­CLR.Stored­Procedures].[Result­Set­Filter]  GO |

Uses

[[t­SQLt­CLR]](#B3VZJY1/User_databases/App4Learn/Programmability/Assemblies/tSQLtCLR)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Run] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Test­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Run]  @Test­Name NVARCHAR(MAX) = NULL  AS  BEGIN  DECLARE @Test­Result­Formatter NVARCHAR(MAX);  SELECT @Test­Result­Formatter = t­SQLt.Get­Test­Result­Formatter();    EXEC t­SQLt.Private\_­Run @Test­Name, @Test­Result­Formatter;  END;  GO |

Uses

[[t­SQLt].[Private\_­Run]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_Run)

[[t­SQLt].[Get­Test­Result­Formatter]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/GetTestResultFormatter)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Run­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RunTestClass)

|  |
| --- |
| [t­SQLt].[Run­All] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| --------------------------------------------------------------------------------  CREATE PROCEDURE [t­SQLt].[Run­All]  AS  BEGIN  DECLARE @Test­Result­Formatter NVARCHAR(MAX);  SELECT @Test­Result­Formatter = t­SQLt.Get­Test­Result­Formatter();    EXEC t­SQLt.Private\_­Run­All @Test­Result­Formatter;  END;  GO |

Uses

[[t­SQLt].[Private\_­Run­All]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunAll)

[[t­SQLt].[Get­Test­Result­Formatter]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/GetTestResultFormatter)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Run­Test] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Test­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Run­Test]  @Test­Name NVARCHAR(MAX)  AS  BEGIN  RAISERROR('t­SQLt.Run­Test has been retired. Please use t­SQLt.Run instead.', 16, 10);  END;  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Run­Test­Class] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Test­Class­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Run­Test­Class]  @Test­Class­Name NVARCHAR(MAX)  AS  BEGIN  EXEC t­SQLt.Run @Test­Class­Name;  END  GO |

Uses

[[t­SQLt].[Run]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Run)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Run­With­Null­Results] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Test­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Run­With­Null­Results]  @Test­Name NVARCHAR(MAX) = NULL  AS  BEGIN  EXEC t­SQLt.Private\_­Run @Test­Name, 't­SQLt.Null­Test­Result­Formatter';  END;  GO |

Uses

[[t­SQLt].[Private\_­Run]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_Run)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Run­With­Xml­Results] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Test­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Run­With­Xml­Results]  @Test­Name NVARCHAR(MAX) = NULL  AS  BEGIN  EXEC t­SQLt.Private\_­Run @Test­Name, 't­SQLt.Xml­Result­Formatter';  END;  GO |

Uses

[[t­SQLt].[Private\_­Run]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_Run)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Set­Fake­View­Off] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Schema­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Set­Fake­View­Off]  @Schema­Name NVARCHAR(MAX)  AS  BEGIN  DECLARE @View­Name NVARCHAR(MAX);    DECLARE view­Names CURSOR LOCAL FAST\_­FORWARD FOR  SELECT QUOTENAME(OBJECT\_­SCHEMA\_­NAME(t.parent\_id)) + '.' + QUOTENAME(OBJECT\_­NAME(t.parent\_id)) AS view­Name  FROM sys.extended\_properties ep  JOIN sys.triggers t  on ep.major\_id = t.object\_id  WHERE ep.name = N'Set­Fake­View­On­Trigger'  OPEN view­Names;    FETCH NEXT FROM view­Names INTO @View­Name;  WHILE @@FETCH\_­STATUS = 0  BEGIN  EXEC t­SQLt.Private\_­Set­Fake­View­Off\_­Single­View @View­Name;    FETCH NEXT FROM view­Names INTO @View­Name;  END;    CLOSE view­Names;  DEALLOCATE view­Names;  END;  GO |

Uses

[[t­SQLt].[Private\_­Set­Fake­View­Off\_­Single­View]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_SetFakeViewOff_SingleView)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Set­Fake­View­On] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Schema­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Set­Fake­View­On]  @Schema­Name NVARCHAR(MAX)  AS  BEGIN  DECLARE @View­Name NVARCHAR(MAX);    DECLARE view­Names CURSOR LOCAL FAST\_­FORWARD FOR  SELECT QUOTENAME(OBJECT\_­SCHEMA\_­NAME(object\_id)) + '.' + QUOTENAME([name]) AS view­Name  FROM sys.views  WHERE schema\_id = SCHEMA\_­ID(@Schema­Name);    OPEN view­Names;    FETCH NEXT FROM view­Names INTO @View­Name;  WHILE @@FETCH\_­STATUS = 0  BEGIN  EXEC t­SQLt.Private\_­Set­Fake­View­On\_­Single­View @View­Name;    FETCH NEXT FROM view­Names INTO @View­Name;  END;    CLOSE view­Names;  DEALLOCATE view­Names;  END;  GO |

Uses

[[t­SQLt].[Private\_­Set­Fake­View­On\_­Single­View]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_SetFakeViewOn_SingleView)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Set­Test­Result­Formatter] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Formatter | nvarchar(4000) | 8000 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Set­Test­Result­Formatter]  @Formatter NVARCHAR(4000)  AS  BEGIN  IF EXISTS (SELECT 1 FROM sys.extended\_properties WHERE [name] = N't­SQLt.Results­Formatter')  BEGIN  EXEC sp\_dropextendedproperty @name = N't­SQLt.Results­Formatter',  @level0type = 'SCHEMA',  @level0name = 't­SQLt',  @level1type = 'PROCEDURE',  @level1name = 'Private\_­Output­Test­Results';  END;  EXEC sp\_addextendedproperty @name = N't­SQLt.Results­Formatter',  @value = @Formatter,  @level0type = 'SCHEMA',  @level0name = 't­SQLt',  @level1type = 'PROCEDURE',  @level1name = 'Private\_­Output­Test­Results';  END;  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Spy­Procedure] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Procedure­Name | nvarchar(max) | max |
| @Command­To­Execute | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[Spy­Procedure]  @Procedure­Name NVARCHAR(MAX),  @Command­To­Execute NVARCHAR(MAX) = NULL  AS  BEGIN  DECLARE @Procedure­Object­Id INT;  SELECT @Procedure­Object­Id = OBJECT\_­ID(@Procedure­Name);  EXEC t­SQLt.Private\_­Validate­Procedure­Can­Be­Used­With­Spy­Procedure @Procedure­Name;  DECLARE @Log­Table­Name NVARCHAR(MAX);  SELECT @Log­Table­Name = QUOTENAME(OBJECT\_­SCHEMA\_­NAME(@Procedure­Object­Id)) + '.' + QUOTENAME(OBJECT\_­NAME(@Procedure­Object­Id)+'\_­Spy­Procedure­Log');  EXEC t­SQLt.Private\_­Rename­Object­To­Unique­Name­Using­Object­Id @Procedure­Object­Id;  EXEC t­SQLt.Private\_­Create­Procedure­Spy @Procedure­Object­Id, @Procedure­Name, @Log­Table­Name, @Command­To­Execute;  RETURN 0;  END;  ---Build-  GO |

Uses

[[t­SQLt].[Private\_­Create­Procedure­Spy]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CreateProcedureSpy)

[[t­SQLt].[Private\_­Rename­Object­To­Unique­Name­Using­Object­Id]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RenameObjectToUniqueNameUsingObjectId)

[[t­SQLt].[Private\_­Validate­Procedure­Can­Be­Used­With­Spy­Procedure]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ValidateProcedureCanBeUsedWithSpyProcedure)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Stub­Record] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Sn­Table­Name | nvarchar(max) | max |
| @Bint­Obj­Id | bigint | 8 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Stub­Record](@Sn­Table­Name AS NVARCHAR(MAX), @Bint­Obj­Id AS BIGINT)  AS  BEGIN  RAISERROR('Warning, t­SQLt.Stub­Record is not currently supported. Use at your own risk!', 0, 1) WITH NOWAIT;  DECLARE @Vc­Insert­Stmt NVARCHAR(MAX),  @Vc­Insert­Values NVARCHAR(MAX);  DECLARE @Sn­Column­Name NVARCHAR(MAX);  DECLARE @Sint­Data­Type SMALLINT;  DECLARE @Nvc­FKCmd NVARCHAR(MAX);  DECLARE @Vc­FKVal NVARCHAR(MAX);    SET @Vc­Insert­Stmt = 'INSERT INTO ' + @Sn­Table­Name + ' ('    DECLARE cur­Columns CURSOR  LOCAL FAST\_­FORWARD  FOR  SELECT syscolumns.name,  syscolumns.xtype,  cmd.cmd  FROM syscolumns  LEFT OUTER JOIN dbo.sysconstraints ON syscolumns.id = sysconstraints.id  AND syscolumns.colid = sysconstraints.colid  AND sysconstraints.status = 1 -- Primary key constraints only  LEFT OUTER JOIN (select fkeyid id,fkey colid,N'select @V=cast(min('+syscolumns.name+') as NVARCHAR) from '+sysobjects.name cmd  from sysforeignkeys  join sysobjects on sysobjects.id=sysforeignkeys.rkeyid  join syscolumns on sysobjects.id=syscolumns.id and syscolumns.colid=rkey) cmd  on cmd.id=syscolumns.id and cmd.colid=syscolumns.colid  WHERE syscolumns.id = OBJECT\_­ID(@Sn­Table­Name)  AND (syscolumns.isnullable = 0 )  ORDER BY ISNULL(sysconstraints.status, 9999), -- Order Primary Key constraints first  syscolumns.colorder    OPEN cur­Columns    FETCH NEXT FROM cur­Columns  INTO @Sn­Column­Name, @Sint­Data­Type, @Nvc­FKCmd    -- Treat the first column retrieved differently, no commas need to be added  -- and it is the Obj­Id column  IF @@FETCH\_­STATUS = 0  BEGIN  SET @Vc­Insert­Stmt = @Vc­Insert­Stmt + @Sn­Column­Name  SELECT @Vc­Insert­Values = ')VALUES(' + ISNULL(CAST(@Bint­Obj­Id AS nvarchar), 'NULL')    FETCH NEXT FROM cur­Columns  INTO @Sn­Column­Name, @Sint­Data­Type, @Nvc­FKCmd  END  ELSE  BEGIN  -- No columns retrieved, we need to insert into any first column  SELECT @Vc­Insert­Stmt = @Vc­Insert­Stmt + syscolumns.name  FROM syscolumns  WHERE syscolumns.id = OBJECT\_­ID(@Sn­Table­Name)  AND syscolumns.colorder = 1    SELECT @Vc­Insert­Values = ')VALUES(' + ISNULL(CAST(@Bint­Obj­Id AS nvarchar), 'NULL')    END    WHILE @@FETCH\_­STATUS = 0  BEGIN  SET @Vc­Insert­Stmt = @Vc­Insert­Stmt + ',' + @Sn­Column­Name  SET @Vc­FKVal=',0'  if @Nvc­FKCmd is not null  BEGIN  set @Vc­FKVal=null  exec sp\_executesql @Nvc­FKCmd,N'@V NVARCHAR(MAX) output',@Vc­FKVal output  set @Vc­FKVal=isnull(','''+@Vc­FKVal+'''',',NULL')  END  SET @Vc­Insert­Values = @Vc­Insert­Values + @Vc­FKVal    FETCH NEXT FROM cur­Columns  INTO @Sn­Column­Name, @Sint­Data­Type, @Nvc­FKCmd  END    CLOSE cur­Columns  DEALLOCATE cur­Columns    SET @Vc­Insert­Stmt = @Vc­Insert­Stmt + @Vc­Insert­Values + ')'    IF EXISTS (SELECT 1  FROM syscolumns  WHERE status = 128  AND id = OBJECT\_­ID(@Sn­Table­Name))  BEGIN  SET @Vc­Insert­Stmt = 'SET IDENTITY\_­INSERT ' + @Sn­Table­Name + ' ON ' + CHAR(10) +  @Vc­Insert­Stmt + CHAR(10) +  'SET IDENTITY\_­INSERT ' + @Sn­Table­Name + ' OFF '  END    EXEC (@Vc­Insert­Stmt) -- Execute the actual INSERT statement    END  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Suppress­Output] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | False |
| Quoted Identifier On | False |
| Assembly | [t­SQLt­CLR.t­SQLt­CLR.Stored­Procedures.Suppress­Output](#B3VZJY1/User_databases/App4Learn/Programmability/Assemblies/tSQLtCLR) |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @command | nvarchar(max) | max |

SQL Script

|  |
| --- |
| SET QUOTED\_­IDENTIFIER OFF  GO  SET ANSI\_­NULLS OFF  GO  CREATE PROCEDURE [t­SQLt].[Suppress­Output] (@command [nvarchar] (max))  WITH EXECUTE AS CALLER  AS EXTERNAL NAME [t­SQLt­CLR].[t­SQLt­CLR.Stored­Procedures].[Suppress­Output]  GO |

Uses

[[t­SQLt­CLR]](#B3VZJY1/User_databases/App4Learn/Programmability/Assemblies/tSQLtCLR)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Rename­Object­To­Unique­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RenameObjectToUniqueName)

|  |
| --- |
| [t­SQLt].[Table­To­Text] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Max Length (Bytes) | Direction |
| @txt | nvarchar(max) | max | Out |
| @Table­Name | nvarchar(max) | max |  |
| @Order­By | nvarchar(max) | max |  |
| @Print­Only­Column­Name­Alias­List | nvarchar(max) | max |  |

SQL Script

|  |
| --- |
| ---Build+  CREATE PROCEDURE [t­SQLt].[Table­To­Text]  @txt NVARCHAR(MAX) OUTPUT,  @Table­Name NVARCHAR(MAX),  @Order­By NVARCHAR(MAX) = NULL,  @Print­Only­Column­Name­Alias­List NVARCHAR(MAX) = NULL  AS  BEGIN  SET @txt = t­SQLt.Private::Table­To­String(@Table­Name, @Order­By, @Print­Only­Column­Name­Alias­List);  END;  ---Build-  GO |

Uses

[[t­SQLt].[Private]](#B3VZJY1/User_databases/App4Learn/Programmability/Types/User-Defined_Types/Private)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Assert­Empty­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEmptyTable)

[[t­SQLt].[Default­Result­Formatter]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/DefaultResultFormatter)

[[t­SQLt].[Private\_­Compare­Tables­Fail­If­Unequal­Rows­Exists]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CompareTablesFailIfUnequalRowsExists)

|  |
| --- |
| [t­SQLt].[Uninstall] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Uninstall]  AS  BEGIN  DROP TYPE t­SQLt.Private;  EXEC t­SQLt.Drop­Class 't­SQLt';    DROP ASSEMBLY t­SQLt­CLR;  END;  GO |

Uses

[[t­SQLt].[Drop­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/DropClass)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Xml­Result­Formatter] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [t­SQLt].[Xml­Result­Formatter]  AS  BEGIN  DECLARE @Xml­Output XML;  SELECT @Xml­Output = (  SELECT Tag, Parent, [testsuites!1!hide!hide], [testsuite!2!name], [testsuite!2!tests], [testsuite!2!errors], [testsuite!2!failures], [testcase!3!classname], [testcase!3!name], [failure!4!message] FROM (  SELECT 1 AS Tag,  NULL AS Parent,  'root' AS [testsuites!1!hide!hide],  NULL AS [testsuite!2!name],  NULL AS [testsuite!2!tests],  NULL AS [testsuite!2!errors],  NULL AS [testsuite!2!failures],  NULL AS [testcase!3!classname],  NULL AS [testcase!3!name],  NULL AS [failure!4!message]  UNION ALL  SELECT 2 AS Tag,  1 AS Parent,  'root',  Class AS [testsuite!2!name],  COUNT(1) AS [testsuite!2!tests],  SUM(CASE Result WHEN 'Error' THEN 1 ELSE 0 END) AS [testsuite!2!errors],  SUM(CASE Result WHEN 'Failure' THEN 1 ELSE 0 END) AS [testsuite!2!failures],  NULL AS [testcase!3!classname],  NULL AS [testcase!3!name],  NULL AS [failure!4!message]  FROM t­SQLt.Test­Result  GROUP BY Class  UNION ALL  SELECT 3 AS Tag,  2 AS Parent,  'root',  Class,  NULL,  NULL,  NULL,  Class,  Test­Case,  NULL  FROM t­SQLt.Test­Result  UNION ALL  SELECT 4 AS Tag,  3 AS Parent,  'root',  Class,  NULL,  NULL,  NULL,  Class,  Test­Case,  Msg  FROM t­SQLt.Test­Result  WHERE Result IN ('Failure', 'Error')) AS X  ORDER BY [testsuite!2!name], [testcase!3!name], Tag  FOR XML EXPLICIT  );  EXEC t­SQLt.Private\_­Print­XML @Xml­Output;  END;  GO |

Uses

[[t­SQLt].[Test­Result]](#B3VZJY1/User_databases/App4Learn/Tables/TestResult)

[[t­SQLt].[Private\_­Print­XML]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_PrintXML)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [users].[Check­If­User­Is­Available] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @User­Name | varchar(50) | 50 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [users].[Check­If­User­Is­Available]  -- Add the parameters for the stored procedure here  @User­Name VARCHAR (50)  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  DECLARE @result BIT = 1;  DECLARE @user­Id INT;  SET @user­Id = (SELECT tli.ID  FROM users.tbl­Log­In AS tli  WHERE tli.User­Name = @User­Name);  IF(@user­Id <> 0)  BEGIN  SET @result = 0;  END;  SELECT @result;    END TRY  BEGIN CATCH  IF(@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[users].[tbl­Log­In]](#B3VZJY1/User_databases/App4Learn/Tables/tblLogIn)

[users](#B3VZJY1/User_databases/App4Learn/Security/Schemas/users)

Used By

[[Procedures­Do­Not­Throw­Exceptions].[test Check­If­User­Is­Available No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIfUserIsAvailable_NoException)

|  |
| --- |
| [users].[Check­If­User­Is­In­Database] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @User­Name | varchar(50) | 50 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [users].[Check­If­User­Is­In­Database]  -- Add the parameters for the stored procedure here  @User­Name VARCHAR (50)  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  DECLARE @result BIT = 0;  DECLARE @user­Id INT;  SET @user­Id = (SELECT tli.ID  FROM users.tbl­Log­In AS tli  WHERE tli.User­Name = @User­Name);  IF(@user­Id <> 0)  BEGIN  SET @result = 1;  END;  SELECT @result;    END TRY  BEGIN CATCH  IF(@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[users].[tbl­Log­In]](#B3VZJY1/User_databases/App4Learn/Tables/tblLogIn)

[users](#B3VZJY1/User_databases/App4Learn/Security/Schemas/users)

Used By

[[Procedures­Do­Not­Throw­Exceptions].[test Check­If­User­Is­In­Database No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIfUserIsInDatabase_NoException)

|  |
| --- |
| [users].[Create­New­User] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @User­Name | varchar(50) | 50 |
| @Password | varchar(50) | 50 |
| @First­Name | varchar(50) | 50 |
| @Middle­Name | varchar(50) | 50 |
| @Last­Name | varchar(50) | 50 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [users].[Create­New­User]  -- Add the parameters for the stored procedure here  @User­Name VARCHAR(50) ,  @Password VARCHAR(50) ,  @First­Name VARCHAR(50) ,  @Middle­Name VARCHAR(50) ,  @Last­Name VARCHAR(50)  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  DECLARE @User­ID INT;  -- Setting the empty strings to NULL, to cause the SQL exception.  -- Ignoring @Middle­Name as we can accept NULL's from this variable.  IF (@User­Name = '')  BEGIN  SET @User­Name = NULL;  END;  IF (@Password = '')  BEGIN  SET @Password = NULL;  END;  IF (@First­Name = '')  BEGIN  SET @First­Name = NULL;  END;  IF (@Last­Name = '')  BEGIN  SET @Last­Name = NULL;  END;  IF (@User­Name IS NULL) AND (@Password IS NULL) AND (@First­Name IS NULL) AND (@Last­Name IS NULL)  BEGIN  RAISERROR ('NULL values are not allowed.', 16, 1);  END;  ELSE  BEGIN  BEGIN TRANSACTION  INSERT INTO users.tbl­User (  --ID - this column value is auto-generated  users.tbl­User.First­Name,  users.tbl­User.Middle­Name,  users.tbl­User.Last­Name)  VALUES  (  -- ID - int  @First­Name,  -- First­Name - varchar  @Middle­Name,  -- Middle­Name - varchar  @Last­Name -- Last­Name - varchar  );  SET @User­ID = SCOPE\_­IDENTITY () ;  INSERT INTO users.tbl­Log­In (  --ID - this column value is auto-generated  users.tbl­Log­In.User­ID,  users.tbl­Log­In.User­Name,  users.tbl­Log­In.[Password])  VALUES  (  -- ID - int  @User­ID,  -- User­ID - int  @User­Name,  -- User­Name - varchar  @Password  -- Password - varchar  );  COMMIT TRANSACTION;  END;  END TRY  BEGIN CATCH  IF(@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[users].[tbl­Log­In]](#B3VZJY1/User_databases/App4Learn/Tables/tblLogIn)

[[users].[tbl­User]](#B3VZJY1/User_databases/App4Learn/Tables/tblUser)

[users](#B3VZJY1/User_databases/App4Learn/Security/Schemas/users)

Used By

[[Procedures­Do­Not­Throw­Exceptions].[test Create­New­User No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CreateNewUser_NoException)

|  |
| --- |
| [users].[Get­User­Details] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

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

SQL Script

|  |
| --- |
| CREATE PROCEDURE [users].[Get­User­Details]  -- Add the parameters for the stored procedure here  @User­ID INT  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  SELECT tu.First­Name,  tu.Middle­Name,  tu.Last­Name,  tli.User­Name,  tli.[Password]  FROM users.tbl­Log­In AS tli  INNER JOIN users.tbl­User AS tu ON tu.ID = tli.User­ID  WHERE tli.User­ID = @User­ID;  END TRY  BEGIN CATCH  IF(@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[users].[tbl­Log­In]](#B3VZJY1/User_databases/App4Learn/Tables/tblLogIn)

[[users].[tbl­User]](#B3VZJY1/User_databases/App4Learn/Tables/tblUser)

[users](#B3VZJY1/User_databases/App4Learn/Security/Schemas/users)

Used By

[[Procedures­Do­Not­Throw­Exceptions].[test Get­User­Details No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetUserDetails_NoException)

|  |
| --- |
| [users].[Test­Connection] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| -- A procedure that always returns true for a successful connection.  CREATE PROCEDURE [users].[Test­Connection]  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  DECLARE @result BIT = 1;  SELECT @result;    END TRY  BEGIN CATCH  IF(@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[users](#B3VZJY1/User_databases/App4Learn/Security/Schemas/users)

Used By

[[Procedures­Do­Not­Throw­Exceptions].[test Test­Connection No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_TestConnection_NoException)

|  |
| --- |
| [users].[Validate­User] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @User­Name | varchar(50) | 50 |
| @Password | varchar(50) | 50 |

SQL Script

|  |
| --- |
| CREATE PROCEDURE [users].[Validate­User]  -- Add the parameters for the stored procedure here  @User­Name VARCHAR (50) ,  @Password VARCHAR (50)  AS  BEGIN  BEGIN TRY  SET NOCOUNT ON;  SELECT tli.User­ID FROM users.tbl­Log­In AS tli  WHERE tli.User­Name = @User­Name  AND tli.[Password] = @Password;    END TRY  BEGIN CATCH  IF(@@TRANCOUNT > 0)  BEGIN  ROLLBACK TRANSACTION;  END;  THROW;  END CATCH;  END;  GO |

Uses

[[users].[tbl­Log­In]](#B3VZJY1/User_databases/App4Learn/Tables/tblLogIn)

[users](#B3VZJY1/User_databases/App4Learn/Security/Schemas/users)

Used By

[[Procedures­Do­Not­Throw­Exceptions].[test Validate­User No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ValidateUser_NoException)

|  |
| --- |
| Table-valued Functions |

Objects

|  |
| --- |
| Name |
| [t­SQLt.F\_­Num](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/F_Num) |
| [t­SQLt.Info](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Info) |
| [t­SQLt.Private\_­Find­Constraint](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_FindConstraint) |
| [t­SQLt.Private\_­Get­Constraint­Type](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetConstraintType) |
| [t­SQLt.Private\_­Get­Data­Type­Or­Computed­Column­Definition](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetDataTypeOrComputedColumnDefinition) |
| [t­SQLt.Private\_­Get­Default­Constraint­Definition](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetDefaultConstraintDefinition) |
| [t­SQLt.Private\_­Get­Foreign­Key­Definition](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetForeignKeyDefinition) |
| [t­SQLt.Private\_­Get­Foreign­Key­Par­Columns](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetForeignKeyParColumns) |
| [t­SQLt.Private\_­Get­Foreign­Key­Ref­Columns](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetForeignKeyRefColumns) |
| [t­SQLt.Private\_­Get­Full­Type­Name](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetFullTypeName) |
| [t­SQLt.Private\_­Get­Identity­Definition](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetIdentityDefinition) |
| [t­SQLt.Private\_­Get­Original­Table­Info](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetOriginalTableInfo) |
| [t­SQLt.Private\_­Get­Quoted­Table­Name­For­Constraint](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetQuotedTableNameForConstraint) |
| [t­SQLt.Private\_­Resolve­Apply­Constraint­Parameters](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_ResolveApplyConstraintParameters) |
| [t­SQLt.Private\_­Resolve­Fake­Table­Names­For­Backward­Compatibility](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_ResolveFakeTableNamesForBackwardCompatibility) |
| [t­SQLt.Private\_­Resolve­Name](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_ResolveName) |
| [t­SQLt.Private\_­Resolve­Object­Name](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_ResolveObjectName) |
| [t­SQLt.Private\_­Resolve­Schema­Name](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_ResolveSchemaName) |
| [t­SQLt.Test­Case­Summary](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/TestCaseSummary) |

|  |
| --- |
| [t­SQLt].[F\_­Num] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

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

SQL Script

|  |
| --- |
| CREATE FUNCTION [t­SQLt].[F\_­Num](  @N INT  )  RETURNS TABLE  AS  RETURN WITH C0(c) AS (SELECT 1 UNION ALL SELECT 1),  C1(c) AS (SELECT 1 FROM C0 AS A CROSS JOIN C0 AS B),  C2(c) AS (SELECT 1 FROM C1 AS A CROSS JOIN C1 AS B),  C3(c) AS (SELECT 1 FROM C2 AS A CROSS JOIN C2 AS B),  C4(c) AS (SELECT 1 FROM C3 AS A CROSS JOIN C3 AS B),  C5(c) AS (SELECT 1 FROM C4 AS A CROSS JOIN C4 AS B),  C6(c) AS (SELECT 1 FROM C5 AS A CROSS JOIN C5 AS B)  SELECT TOP(CASE WHEN @N>0 THEN @N ELSE 0 END) ROW\_­NUMBER() OVER (ORDER BY c) no  FROM C6;  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Info] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| ---Build+  CREATE FUNCTION [t­SQLt].[Info]()  RETURNS TABLE  AS  RETURN  SELECT  Version = '1.0.5137.39257',  Clr­Version = (SELECT t­SQLt.Private::Info());  ---Build-  GO |

Uses

[[t­SQLt].[Private]](#B3VZJY1/User_databases/App4Learn/Programmability/Types/User-Defined_Types/Private)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Private\_­Find­Constraint] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Table­Object­Id | int | 4 |
| @Constraint­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE FUNCTION [t­SQLt].[Private\_­Find­Constraint]  (  @Table­Object­Id INT,  @Constraint­Name NVARCHAR(MAX)  )  RETURNS TABLE  AS  RETURN  SELECT TOP(1) constraints.object\_id AS Constraint­Object­Id, type\_desc AS Constraint­Type  FROM sys.objects constraints  CROSS JOIN t­SQLt.Private\_­Get­Original­Table­Info(@Table­Object­Id) org­Tbl  WHERE @Constraint­Name IN (constraints.name, QUOTENAME(constraints.name))  AND constraints.parent\_object\_id = org­Tbl.Org­Table­Object­Id  ORDER BY LEN(constraints.name) ASC;  GO |

Uses

[[t­SQLt].[Private\_­Get­Original­Table­Info]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetOriginalTableInfo)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Resolve­Apply­Constraint­Parameters]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_ResolveApplyConstraintParameters)

|  |
| --- |
| [t­SQLt].[Private\_­Get­Constraint­Type] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Table­Object­Id | int | 4 |
| @Constraint­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE FUNCTION [t­SQLt].[Private\_­Get­Constraint­Type](@Table­Object­Id INT, @Constraint­Name NVARCHAR(MAX))  RETURNS TABLE  AS  RETURN  SELECT object\_id,type,type\_desc  FROM sys.objects  WHERE object\_id = OBJECT\_­ID(SCHEMA\_­NAME(schema\_id)+'.'+@Constraint­Name)  AND parent\_object\_id = @Table­Object­Id;  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Private\_­Get­Data­Type­Or­Computed­Column­Definition] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @User­Type­Id | int | 4 |
| @Max­Length | int | 4 |
| @Precision | int | 4 |
| @Scale | int | 4 |
| @Collation­Name | nvarchar(max) | max |
| @Object­Id | int | 4 |
| @Column­Id | int | 4 |
| @Return­Details | bit | 1 |

SQL Script

|  |
| --- |
| CREATE FUNCTION [t­SQLt].[Private\_­Get­Data­Type­Or­Computed­Column­Definition](@User­Type­Id INT, @Max­Length INT, @Precision INT, @Scale INT, @Collation­Name NVARCHAR(MAX), @Object­Id INT, @Column­Id INT, @Return­Details BIT)  RETURNS TABLE  AS  RETURN SELECT  COALESCE(Is­Computed­Column, 0) AS Is­Computed­Column,  COALESCE(Computed­Column­Definition, Type­Name) AS Column­Definition  FROM t­SQLt.Private\_­Get­Full­Type­Name(@User­Type­Id, @Max­Length, @Precision, @Scale, @Collation­Name)  LEFT JOIN (SELECT 1 AS Is­Computed­Column,' AS '+ definition + CASE WHEN is\_persisted = 1 THEN ' PERSISTED' ELSE '' END AS Computed­Column­Definition,object\_id,column\_id  FROM sys.computed\_columns  )cc  ON cc.object\_id = @Object­Id  AND cc.column\_id = @Column­Id  AND @Return­Details = 1;  ---Build-  GO |

Uses

[[t­SQLt].[Private\_­Get­Full­Type­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetFullTypeName)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Create­Fake­Of­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CreateFakeOfTable)

|  |
| --- |
| [t­SQLt].[Private\_­Get­Default­Constraint­Definition] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Object­Id | int | 4 |
| @Column­Id | int | 4 |
| @Return­Details | bit | 1 |

SQL Script

|  |
| --- |
| CREATE FUNCTION [t­SQLt].[Private\_­Get­Default­Constraint­Definition](@Object­Id INT, @Column­Id INT, @Return­Details BIT)  RETURNS TABLE  AS  RETURN SELECT  COALESCE(Is­Default, 0) AS Is­Default,  COALESCE(Default­Definition, '') AS Default­Definition  FROM (SELECT 1) X(X)  LEFT JOIN (SELECT 1 AS Is­Default,' DEFAULT '+ definition AS Default­Definition,parent\_object\_id,parent\_column\_id  FROM sys.default\_constraints  )dc  ON dc.parent\_object\_id = @Object­Id  AND dc.parent\_column\_id = @Column­Id  AND @Return­Details = 1;  ---Build-  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Create­Fake­Of­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CreateFakeOfTable)

|  |
| --- |
| [t­SQLt].[Private\_­Get­Foreign­Key­Definition] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Schema­Name | nvarchar(max) | max |
| @Parent­Table­Name | nvarchar(max) | max |
| @Foreign­Key­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE FUNCTION [t­SQLt].[Private\_­Get­Foreign­Key­Definition](  @Schema­Name NVARCHAR(MAX),  @Parent­Table­Name NVARCHAR(MAX),  @Foreign­Key­Name NVARCHAR(MAX)  )  RETURNS TABLE  AS  RETURN SELECT 'CONSTRAINT ' + name + ' FOREIGN KEY (' +  par­Cols + ') REFERENCES ' + ref­Name + '(' + ref­Cols + ')' cmd,  CASE  WHEN Ref­Table­Is­Faked­Ind = 1  THEN 'CREATE UNIQUE INDEX ' + t­SQLt.Private::Create­Unique­Object­Name() + ' ON ' + ref­Name + '(' + ref­Cols + ');'  ELSE ''  END Cre­Idx­Cmd  FROM (SELECT QUOTENAME(SCHEMA\_­NAME(k.schema\_id)) AS Schema­Name,  QUOTENAME(k.name) AS name,  QUOTENAME(OBJECT\_­NAME(k.parent\_object\_id)) AS par­Name,  QUOTENAME(SCHEMA\_­NAME(ref­Tab.schema\_id)) + '.' + QUOTENAME(ref­Tab.name) AS ref­Name,  par­Col.Col­Names AS par­Cols,  ref­Col.Col­Names AS ref­Cols,  CASE WHEN e.name IS NULL THEN 0  ELSE 1  END AS Ref­Table­Is­Faked­Ind  FROM sys.foreign\_keys k  CROSS APPLY t­SQLt.Private\_­Get­Foreign­Key­Par­Columns(k.object\_id) AS par­Col  CROSS APPLY t­SQLt.Private\_­Get­Foreign­Key­Ref­Columns(k.object\_id) AS ref­Col  LEFT JOIN sys.extended\_properties e  ON e.name = 't­SQLt.Fake­Table\_­Org­Table­Name'  AND e.value = OBJECT\_­NAME(k.referenced\_object\_id)  JOIN sys.tables ref­Tab  ON COALESCE(e.major\_id,k.referenced\_object\_id) = ref­Tab.object\_id  WHERE k.parent\_object\_id = OBJECT\_­ID(@Schema­Name + '.' + @Parent­Table­Name)  AND k.object\_id = OBJECT\_­ID(@Schema­Name + '.' + @Foreign­Key­Name)  )x;  ---Build-  GO |

Uses

[[t­SQLt].[Private]](#B3VZJY1/User_databases/App4Learn/Programmability/Types/User-Defined_Types/Private)

[[t­SQLt].[Private\_­Get­Foreign­Key­Par­Columns]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetForeignKeyParColumns)

[[t­SQLt].[Private\_­Get­Foreign­Key­Ref­Columns]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetForeignKeyRefColumns)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Apply­Foreign­Key­Constraint]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ApplyForeignKeyConstraint)

|  |
| --- |
| [t­SQLt].[Private\_­Get­Foreign­Key­Par­Columns] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

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

SQL Script

|  |
| --- |
| ---Build+  CREATE FUNCTION [t­SQLt].[Private\_­Get­Foreign­Key­Par­Columns](  @Constraint­Object­Id INT  )  RETURNS TABLE  AS  RETURN SELECT STUFF((  SELECT ','+QUOTENAME(pci.name) FROM sys.foreign\_key\_columns c  JOIN sys.columns pci  ON pci.object\_id = c.parent\_object\_id  AND pci.column\_id = c.parent\_column\_id  WHERE @Constraint­Object­Id = c.constraint\_object\_id  FOR XML PATH(''),TYPE  ).value('.','NVARCHAR(MAX)'),1,1,'') AS Col­Names  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Get­Foreign­Key­Definition]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetForeignKeyDefinition)

|  |
| --- |
| [t­SQLt].[Private\_­Get­Foreign­Key­Ref­Columns] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

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

SQL Script

|  |
| --- |
| CREATE FUNCTION [t­SQLt].[Private\_­Get­Foreign­Key­Ref­Columns](  @Constraint­Object­Id INT  )  RETURNS TABLE  AS  RETURN SELECT STUFF((  SELECT ','+QUOTENAME(rci.name) FROM sys.foreign\_key\_columns c  JOIN sys.columns rci  ON rci.object\_id = c.referenced\_object\_id  AND rci.column\_id = c.referenced\_column\_id  WHERE @Constraint­Object­Id = c.constraint\_object\_id  FOR XML PATH(''),TYPE  ).value('.','NVARCHAR(MAX)'),1,1,'') AS Col­Names;  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Get­Foreign­Key­Definition]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetForeignKeyDefinition)

|  |
| --- |
| [t­SQLt].[Private\_­Get­Full­Type­Name] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Type­Id | int | 4 |
| @Length | int | 4 |
| @Precision | int | 4 |
| @Scale | int | 4 |
| @Collation­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE FUNCTION [t­SQLt].[Private\_­Get­Full­Type­Name](@Type­Id INT, @Length INT, @Precision INT, @Scale INT, @Collation­Name NVARCHAR(MAX))  RETURNS TABLE  AS  RETURN SELECT Schema­Name + '.' + Name + Suffix + Collation AS Type­Name, Schema­Name, Name, Suffix  FROM(  SELECT QUOTENAME(SCHEMA\_­NAME(schema\_id)) Schema­Name, QUOTENAME(name) Name,  CASE WHEN max\_length = -1  THEN ''  WHEN @Length = -1  THEN '(MAX)'  WHEN name LIKE 'n%char'  THEN '(' + CAST(@Length / 2 AS NVARCHAR) + ')'  WHEN name LIKE '%char' OR name LIKE '%binary'  THEN '(' + CAST(@Length AS NVARCHAR) + ')'  WHEN name IN ('decimal', 'numeric')  THEN '(' + CAST(@Precision AS NVARCHAR) + ',' + CAST(@Scale AS NVARCHAR) + ')'  ELSE ''  END Suffix,  CASE WHEN @Collation­Name IS NULL THEN ''  ELSE ' COLLATE ' + @Collation­Name  END Collation  FROM sys.types WHERE user\_type\_id = @Type­Id  )X;  ---Build-  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Create­Fake­Function]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CreateFakeFunction)

[[t­SQLt].[Private\_­Create­Procedure­Spy]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CreateProcedureSpy)

[[t­SQLt].[Private\_­Get­Data­Type­Or­Computed­Column­Definition]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetDataTypeOrComputedColumnDefinition)

|  |
| --- |
| [t­SQLt].[Private\_­Get­Identity­Definition] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Object­Id | int | 4 |
| @Column­Id | int | 4 |
| @Return­Details | bit | 1 |

SQL Script

|  |
| --- |
| ---Build+  CREATE FUNCTION [t­SQLt].[Private\_­Get­Identity­Definition](@Object­Id INT, @Column­Id INT, @Return­Details BIT)  RETURNS TABLE  AS  RETURN SELECT  COALESCE(Is­Identity, 0) AS Is­Identity­Column,  COALESCE(Identity­Definition, '') AS Identity­Definition  FROM (SELECT 1) X(X)  LEFT JOIN (SELECT 1 AS Is­Identity,  ' IDENTITY(' + CAST(seed\_value AS NVARCHAR(MAX)) + ',' + CAST(increment\_value AS NVARCHAR(MAX)) + ')' AS Identity­Definition,  object\_id,  column\_id  FROM sys.identity\_columns  ) AS id  ON id.object\_id = @Object­Id  AND id.column\_id = @Column­Id  AND @Return­Details = 1;  ---Build-  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Create­Fake­Of­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CreateFakeOfTable)

|  |
| --- |
| [t­SQLt].[Private\_­Get­Original­Table­Info] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

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

SQL Script

|  |
| --- |
| CREATE FUNCTION [t­SQLt].[Private\_­Get­Original­Table­Info](@Table­Object­Id INT)  RETURNS TABLE  AS  RETURN SELECT CAST(value AS NVARCHAR(4000)) Org­Table­Name,  OBJECT\_­ID(QUOTENAME(OBJECT\_­SCHEMA\_­NAME(@Table­Object­Id)) + '.' + QUOTENAME(CAST(value AS NVARCHAR(4000)))) Org­Table­Object­Id  FROM sys.extended\_properties  WHERE class\_desc = 'OBJECT\_­OR\_­COLUMN'  AND major\_id = @Table­Object­Id  AND minor\_id = 0  AND name = 't­SQLt.Fake­Table\_­Org­Table­Name';  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Apply­Trigger]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ApplyTrigger)

[[t­SQLt].[Private\_­Find­Constraint]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_FindConstraint)

|  |
| --- |
| [t­SQLt].[Private\_­Get­Quoted­Table­Name­For­Constraint] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

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

SQL Script

|  |
| --- |
| CREATE FUNCTION [t­SQLt].[Private\_­Get­Quoted­Table­Name­For­Constraint](@Constraint­Object­Id INT)  RETURNS TABLE  AS  RETURN  SELECT QUOTENAME(SCHEMA\_­NAME(newtbl.schema\_id)) + '.' + QUOTENAME(OBJECT\_­NAME(newtbl.object\_id)) Quoted­Table­Name,  SCHEMA\_­NAME(newtbl.schema\_id) Schema­Name,  OBJECT\_­NAME(newtbl.object\_id) Table­Name,  OBJECT\_­NAME(constraints.parent\_object\_id) Org­Table­Name  FROM sys.objects AS constraints  JOIN sys.extended\_properties AS p  JOIN sys.objects AS newtbl  ON newtbl.object\_id = p.major\_id  AND p.minor\_id = 0  AND p.class\_desc = 'OBJECT\_­OR\_­COLUMN'  AND p.name = 't­SQLt.Fake­Table\_­Org­Table­Name'  ON OBJECT\_­NAME(constraints.parent\_object\_id) = CAST(p.value AS NVARCHAR(4000))  AND constraints.schema\_id = newtbl.schema\_id  AND constraints.object\_id = @Constraint­Object­Id;  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Apply­Check­Constraint]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ApplyCheckConstraint)

[[t­SQLt].[Private\_­Apply­Foreign­Key­Constraint]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ApplyForeignKeyConstraint)

|  |
| --- |
| [t­SQLt].[Private\_­Resolve­Apply­Constraint­Parameters] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @A | nvarchar(max) | max |
| @B | nvarchar(max) | max |
| @C | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE FUNCTION [t­SQLt].[Private\_­Resolve­Apply­Constraint­Parameters]  (  @A NVARCHAR(MAX),  @B NVARCHAR(MAX),  @C NVARCHAR(MAX)  )  RETURNS TABLE  AS  RETURN  SELECT Constraint­Object­Id, Constraint­Type  FROM t­SQLt.Private\_­Find­Constraint(OBJECT\_­ID(@A), @B)  WHERE @C IS NULL  UNION ALL  SELECT \*  FROM t­SQLt.Private\_­Find­Constraint(OBJECT\_­ID(@A + '.' + @B), @C)  UNION ALL  SELECT \*  FROM t­SQLt.Private\_­Find­Constraint(OBJECT\_­ID(@C + '.' + @A), @B);  GO |

Uses

[[t­SQLt].[Private\_­Find­Constraint]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_FindConstraint)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Apply­Constraint]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ApplyConstraint)

|  |
| --- |
| [t­SQLt].[Private\_­Resolve­Fake­Table­Names­For­Backward­Compatibility] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Table­Name | nvarchar(max) | max |
| @Schema­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE FUNCTION [t­SQLt].[Private\_­Resolve­Fake­Table­Names­For­Backward­Compatibility]  (@Table­Name NVARCHAR(MAX), @Schema­Name NVARCHAR(MAX))  RETURNS TABLE AS  RETURN  SELECT QUOTENAME(OBJECT\_­SCHEMA\_­NAME(object\_id)) AS Clean­Schema­Name,  QUOTENAME(OBJECT\_­NAME(object\_id)) AS Clean­Table­Name  FROM (SELECT CASE  WHEN @Schema­Name IS NULL THEN OBJECT\_­ID(@Table­Name)  ELSE COALESCE(OBJECT\_­ID(@Schema­Name + '.' + @Table­Name),OBJECT\_­ID(@Table­Name + '.' + @Schema­Name))  END object\_id  ) ids;  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

|  |
| --- |
| [t­SQLt].[Private\_­Resolve­Name] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE FUNCTION [t­SQLt].[Private\_­Resolve­Name](@Name NVARCHAR(MAX))  RETURNS TABLE  AS  RETURN  WITH resolved­Names(ord, schema­Id, object­Id, quoted­Schema­Name, quoted­Object­Name, quoted­Full­Name, is­Test­Class, is­Test­Case, is­Schema) AS  (SELECT 1, schema­Id, NULL, quoted­Schema­Name, NULL, quoted­Schema­Name, is­Test­Class, 0, 1  FROM t­SQLt.Private\_­Resolve­Schema­Name(@Name)  UNION ALL  SELECT 2, schema­Id, object­Id, quoted­Schema­Name, quoted­Object­Name, quoted­Full­Name, 0, is­Test­Case, 0  FROM t­SQLt.Private\_­Resolve­Object­Name(@Name)  UNION ALL  SELECT 3, NULL, NULL, NULL, NULL, NULL, 0, 0, 0  )  SELECT TOP(1) schema­Id, object­Id, quoted­Schema­Name, quoted­Object­Name, quoted­Full­Name, is­Test­Class, is­Test­Case, is­Schema  FROM resolved­Names  WHERE schema­Id IS NOT NULL  OR ord = 3  ORDER BY ord  GO |

Uses

[[t­SQLt].[Private\_­Resolve­Object­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_ResolveObjectName)

[[t­SQLt].[Private\_­Resolve­Schema­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_ResolveSchemaName)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Run]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_Run)

|  |
| --- |
| [t­SQLt].[Private\_­Resolve­Object­Name] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE FUNCTION [t­SQLt].[Private\_­Resolve­Object­Name](@Name NVARCHAR(MAX))  RETURNS TABLE  AS  RETURN  WITH ids(schema­Id, object­Id) AS  (SELECT SCHEMA\_­ID(OBJECT\_­SCHEMA\_­NAME(OBJECT\_­ID(@Name))),  OBJECT\_­ID(@Name)  ),  ids­With­Names(schema­Id, object­Id, quoted­Schema­Name, quoted­Object­Name) AS  (SELECT schema­Id, object­Id,  QUOTENAME(SCHEMA\_­NAME(schema­Id)) AS quoted­Schema­Name,  QUOTENAME(OBJECT\_­NAME(object­Id)) AS quoted­Object­Name  FROM ids  )  SELECT schema­Id,  object­Id,  quoted­Schema­Name,  quoted­Object­Name,  quoted­Schema­Name + '.' + quoted­Object­Name AS quoted­Full­Name,  CASE WHEN LOWER(quoted­Object­Name) LIKE '[[]test%]'  AND object­Id = OBJECT\_­ID(quoted­Schema­Name + '.' + quoted­Object­Name,'P')  THEN 1 ELSE 0 END AS is­Test­Case  FROM ids­With­Names;  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Resolve­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_ResolveName)

|  |
| --- |
| [t­SQLt].[Private\_­Resolve­Schema­Name] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE FUNCTION [t­SQLt].[Private\_­Resolve­Schema­Name](@Name NVARCHAR(MAX))  RETURNS TABLE  AS  RETURN  WITH ids(schema­Id) AS  (SELECT t­SQLt.Private\_­Get­Schema­Id(@Name)  ),  ids­With­Names(schema­Id, quoted­Schema­Name) AS  (SELECT schema­Id,  QUOTENAME(SCHEMA\_­NAME(schema­Id))  FROM ids  )  SELECT schema­Id,  quoted­Schema­Name,  CASE WHEN EXISTS(SELECT 1 FROM t­SQLt.Test­Classes WHERE Test­Classes.Schema­Id = ids­With­Names.schema­Id)  THEN 1  ELSE 0  END AS is­Test­Class,  CASE WHEN schema­Id IS NOT NULL THEN 1 ELSE 0 END AS is­Schema  FROM ids­With­Names;  GO |

Uses

[[t­SQLt].[Test­Classes]](#B3VZJY1/User_databases/App4Learn/Views/TestClasses)

[[t­SQLt].[Private\_­Get­Schema­Id]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetSchemaId)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Resolve­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_ResolveName)

|  |
| --- |
| [t­SQLt].[Test­Case­Summary] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE FUNCTION [t­SQLt].[Test­Case­Summary]()  RETURNS TABLE  AS  RETURN WITH A(Cnt, Success­Cnt, Fail­Cnt, Error­Cnt) AS (  SELECT COUNT(1),  ISNULL(SUM(CASE WHEN Result = 'Success' THEN 1 ELSE 0 END), 0),  ISNULL(SUM(CASE WHEN Result = 'Failure' THEN 1 ELSE 0 END), 0),  ISNULL(SUM(CASE WHEN Result = 'Error' THEN 1 ELSE 0 END), 0)  FROM t­SQLt.Test­Result    )  SELECT 'Test Case Summary: ' + CAST(Cnt AS NVARCHAR) + ' test case(s) executed, '+  CAST(Success­Cnt AS NVARCHAR) + ' succeeded, '+  CAST(Fail­Cnt AS NVARCHAR) + ' failed, '+  CAST(Error­Cnt AS NVARCHAR) + ' errored.' Msg,\*  FROM A;  GO |

Uses

[[t­SQLt].[Test­Result]](#B3VZJY1/User_databases/App4Learn/Tables/TestResult)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Default­Result­Formatter]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/DefaultResultFormatter)

|  |
| --- |
| Scalar-valued Functions |

Objects

|  |
| --- |
| Name |
| [t­SQLt.Get­Test­Result­Formatter](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/GetTestResultFormatter) |
| [t­SQLt.Private\_­Get­Clean­Object­Name](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetCleanObjectName) |
| [t­SQLt.Private\_­Get­Clean­Schema­Name](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetCleanSchemaName) |
| [t­SQLt.Private\_­Get­Comma­Separated­Column­List](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetCommaSeparatedColumnList) |
| [t­SQLt.Private\_­Get­Last­Test­Name­If­Not­Provided](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetLastTestNameIfNotProvided) |
| [t­SQLt.Private\_­Get­Original­Table­Name](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetOriginalTableName) |
| [t­SQLt.Private\_­Get­Quoted­Full­Name](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetQuotedFullName) |
| [t­SQLt.Private\_­Get­Schema­Id](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetSchemaId) |
| [t­SQLt.Private\_­Is­Test­Class](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_IsTestClass) |
| [t­SQLt.Private\_­Quote­Class­Name­For­New­Test­Class](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_QuoteClassNameForNewTestClass) |
| [t­SQLt.Private\_­Sql­Variant­Formatter](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_SqlVariantFormatter) |

|  |
| --- |
| [t­SQLt].[Get­Test­Result­Formatter] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

SQL Script

|  |
| --- |
| CREATE FUNCTION [t­SQLt].[Get­Test­Result­Formatter]()  RETURNS NVARCHAR(MAX)  AS  BEGIN  DECLARE @Formatter­Name NVARCHAR(MAX);    SELECT @Formatter­Name = CAST(value AS NVARCHAR(MAX))  FROM sys.extended\_properties  WHERE name = N't­SQLt.Results­Formatter'  AND major\_id = OBJECT\_­ID('t­SQLt.Private\_­Output­Test­Results');    SELECT @Formatter­Name = COALESCE(@Formatter­Name, 't­SQLt.Default­Result­Formatter');    RETURN @Formatter­Name;  END;  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Output­Test­Results]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_OutputTestResults)

[[t­SQLt].[Run]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Run)

[[t­SQLt].[Run­All]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RunAll)

|  |
| --- |
| [t­SQLt].[Private\_­Get­Clean­Object­Name] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Object­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE FUNCTION [t­SQLt].[Private\_­Get­Clean­Object­Name](@Object­Name NVARCHAR(MAX))  RETURNS NVARCHAR(MAX)  AS  BEGIN  RETURN (SELECT OBJECT\_­NAME(OBJECT\_­ID(@Object­Name)));  END;  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Run­Test]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunTest)

|  |
| --- |
| [t­SQLt].[Private\_­Get­Clean­Schema­Name] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Schema­Name | nvarchar(max) | max |
| @Object­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| /\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  /\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  /\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  CREATE FUNCTION [t­SQLt].[Private\_­Get­Clean­Schema­Name](@Schema­Name NVARCHAR(MAX), @Object­Name NVARCHAR(MAX))  RETURNS NVARCHAR(MAX)  AS  BEGIN  RETURN (SELECT SCHEMA\_­NAME(schema\_id)  FROM sys.objects  WHERE object\_id = CASE WHEN ISNULL(@Schema­Name,'') in ('','[]')  THEN OBJECT\_­ID(@Object­Name)  ELSE OBJECT\_­ID(@Schema­Name + '.' + @Object­Name)  END);  END;  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Private\_­Get­Comma­Separated­Column­List] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Table | nvarchar(max) | max |
| @Exclude­Column | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ---BUILD+  CREATE FUNCTION [t­SQLt].[Private\_­Get­Comma­Separated­Column­List] (@Table NVARCHAR(MAX), @Exclude­Column NVARCHAR(MAX))  RETURNS NVARCHAR(MAX)  AS  BEGIN  RETURN STUFF((  SELECT ',' + CASE WHEN system\_type\_id = TYPE\_­ID('timestamp') THEN ';TIMESTAMP columns are unsupported!;' ELSE QUOTENAME(name) END  FROM sys.columns  WHERE object\_id = OBJECT\_­ID(@Table)  AND name <> @Exclude­Column  ORDER BY column\_id  FOR XML PATH(''), TYPE).value('.','NVARCHAR(MAX)')  ,1, 1, '');    END;  ---BUILD-  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Assert­Equals­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEqualsTable)

|  |
| --- |
| [t­SQLt].[Private\_­Get­Last­Test­Name­If­Not­Provided] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Test­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ----------------------------------------------------------------------  CREATE FUNCTION [t­SQLt].[Private\_­Get­Last­Test­Name­If­Not­Provided](@Test­Name NVARCHAR(MAX))  RETURNS NVARCHAR(MAX)  AS  BEGIN  IF(LTRIM(ISNULL(@Test­Name,'')) = '')  BEGIN  SELECT @Test­Name = Test­Name  FROM t­SQLt.Run\_­Last­Execution le  JOIN sys.dm\_exec\_sessions es  ON le.Session­Id = es.session\_id  AND le.Login­Time = es.login\_time  WHERE es.session\_id = @@SPID;  END  RETURN @Test­Name;  END  GO |

Uses

[[t­SQLt].[Run\_­Last­Execution]](#B3VZJY1/User_databases/App4Learn/Tables/Run_LastExecution)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Run]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_Run)

|  |
| --- |
| [t­SQLt].[Private\_­Get­Original­Table­Name] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Schema­Name | nvarchar(max) | max |
| @Table­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| /\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  /\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  /\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  CREATE FUNCTION [t­SQLt].[Private\_­Get­Original­Table­Name](@Schema­Name NVARCHAR(MAX), @Table­Name NVARCHAR(MAX)) --DELETE!!!  RETURNS NVARCHAR(MAX)  AS  BEGIN  RETURN (SELECT CAST(value AS NVARCHAR(4000))  FROM sys.extended\_properties  WHERE class\_desc = 'OBJECT\_­OR\_­COLUMN'  AND major\_id = OBJECT\_­ID(@Schema­Name + '.' + @Table­Name)  AND minor\_id = 0  AND name = 't­SQLt.Fake­Table\_­Org­Table­Name');  END;  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

|  |
| --- |
| [t­SQLt].[Private\_­Get­Quoted­Full­Name] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

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

SQL Script

|  |
| --- |
| CREATE FUNCTION [t­SQLt].[Private\_­Get­Quoted­Full­Name](@Objectid INT)  RETURNS NVARCHAR(517)  AS  BEGIN  DECLARE @Quoted­Name NVARCHAR(517);  SELECT @Quoted­Name = QUOTENAME(OBJECT\_­SCHEMA\_­NAME(@Objectid)) + '.' + QUOTENAME(OBJECT\_­NAME(@Objectid));  RETURN @Quoted­Name;  END;  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Assert­Empty­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEmptyTable)

[[t­SQLt].[Private\_­Get­Setup­Procedure­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_GetSetupProcedureName)

[[t­SQLt].[Private\_­Run­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunTestClass)

|  |
| --- |
| [t­SQLt].[Private\_­Get­Schema­Id] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Schema­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE FUNCTION [t­SQLt].[Private\_­Get­Schema­Id](@Schema­Name NVARCHAR(MAX))  RETURNS INT  AS  BEGIN  RETURN (  SELECT TOP(1) schema\_id  FROM sys.schemas  WHERE @Schema­Name IN (name, QUOTENAME(name), QUOTENAME(name, '"'))  ORDER BY  CASE WHEN name = @Schema­Name THEN 0 ELSE 1 END  );  END;  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Run­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunTestClass)

[[t­SQLt].[Private\_­Is­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_IsTestClass)

[[t­SQLt].[Private\_­Resolve­Schema­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_ResolveSchemaName)

|  |
| --- |
| [t­SQLt].[Private\_­Is­Test­Class] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Test­Class­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| CREATE FUNCTION [t­SQLt].[Private\_­Is­Test­Class](@Test­Class­Name NVARCHAR(MAX))  RETURNS BIT  AS  BEGIN  RETURN  CASE  WHEN EXISTS(  SELECT 1  FROM t­SQLt.Test­Classes  WHERE Schema­Id = t­SQLt.Private\_­Get­Schema­Id(@Test­Class­Name)  )  THEN 1  ELSE 0  END;  END;  GO |

Uses

[[t­SQLt].[Test­Classes]](#B3VZJY1/User_databases/App4Learn/Views/TestClasses)

[[t­SQLt].[Private\_­Get­Schema­Id]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetSchemaId)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Private\_­Disallow­Overwriting­Non­Test­Schema]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_DisallowOverwritingNonTestSchema)

|  |
| --- |
| [t­SQLt].[Private\_­Quote­Class­Name­For­New­Test­Class] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Class­Name | nvarchar(max) | max |

SQL Script

|  |
| --- |
| ---Build+  CREATE FUNCTION [t­SQLt].[Private\_­Quote­Class­Name­For­New­Test­Class](@Class­Name NVARCHAR(MAX))  RETURNS NVARCHAR(MAX)  AS  BEGIN  RETURN  CASE WHEN @Class­Name LIKE '[[]%]' THEN @Class­Name  ELSE QUOTENAME(@Class­Name)  END;  END;  ---Build-  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[New­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/NewTestClass)

|  |
| --- |
| [t­SQLt].[Private\_­Sql­Variant­Formatter] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| ANSI Nulls On | True |
| Quoted Identifier On | True |

Parameters

|  |  |  |
| --- | --- | --- |
| Name | Data Type | Max Length (Bytes) |
| @Value | sql\_variant | 8016 |

SQL Script

|  |
| --- |
| ---Build+  CREATE FUNCTION [t­SQLt].[Private\_­Sql­Variant­Formatter](@Value SQL\_­VARIANT)  RETURNS NVARCHAR(MAX)  AS  BEGIN  RETURN CASE UPPER(CAST(SQL\_­VARIANT\_­PROPERTY(@Value,'Base­Type')AS sysname))  WHEN 'FLOAT' THEN CONVERT(NVARCHAR(MAX),@Value,2)  WHEN 'REAL' THEN CONVERT(NVARCHAR(MAX),@Value,1)  WHEN 'MONEY' THEN CONVERT(NVARCHAR(MAX),@Value,2)  WHEN 'SMALLMONEY' THEN CONVERT(NVARCHAR(MAX),@Value,2)  WHEN 'DATE' THEN CONVERT(NVARCHAR(MAX),@Value,126)  WHEN 'DATETIME' THEN CONVERT(NVARCHAR(MAX),@Value,126)  WHEN 'DATETIME2' THEN CONVERT(NVARCHAR(MAX),@Value,126)  WHEN 'DATETIMEOFFSET' THEN CONVERT(NVARCHAR(MAX),@Value,126)  WHEN 'SMALLDATETIME' THEN CONVERT(NVARCHAR(MAX),@Value,126)  WHEN 'TIME' THEN CONVERT(NVARCHAR(MAX),@Value,126)  WHEN 'BINARY' THEN CONVERT(NVARCHAR(MAX),@Value,1)  WHEN 'VARBINARY' THEN CONVERT(NVARCHAR(MAX),@Value,1)  ELSE CAST(@Value AS NVARCHAR(MAX))  END;  END  ---Build-  GO |

Uses

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Assert­Not­Equals]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertNotEquals)

|  |
| --- |
| Assemblies |

Objects

|  |
| --- |
| Name |
| [dbo.t­SQLt­CLR](#B3VZJY1/User_databases/App4Learn/Programmability/Assemblies/tSQLtCLR) |

|  |
| --- |
| [t­SQLt­CLR] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Visibility | On |
| Permission | EXTERNAL\_­ACCESS |
| Owner | dbo |

Method Signatures

.NET Version v2.0.50727 using "System.Data" using "System" using "System.Transactions" class t­SQLt­CLR.Command­Executor­Exception : System.Runtime.Serialization.ISerializable, System.Runtime.Interop­Services.\_­Exception, System.Exception { String get\_­Message(); System.Collections.IDictionary get\_­Data(); Exception Get­Base­Exception(); Exception get\_­Inner­Exception(); System.Reflection.Method­Base get\_­Target­Site(); String get\_­Stack­Trace(); String get\_­Help­Link(); Void set\_­Help­Link(String value); String get\_­Source(); Void set\_­Source(String value); String To­String(); Void Get­Object­Data(System.Runtime.Serialization.Serialization­Info info , System.Runtime.Serialization.Streaming­Context context); Int32 get\_­HResult(); Type Get­Type(); Boolean Equals(Object obj); Int32 Get­Hash­Code(); Type Get­Type(); } struct t­SQLt­CLR.t­SQLt­Private : System.Data.Sql­Types.INullable, Microsoft.Sql­Server.Server.IBinary­Serialize, System.Value­Type { System.Data.Sql­Types.Sql­String Info(); System.Data.Sql­Types.Sql­String Create­Unique­Object­Name(); System.Data.Sql­Types.Sql­Chars Table­To­String(System.Data.Sql­Types.Sql­String Table­Name , System.Data.Sql­Types.Sql­String Order­Option , System.Data.Sql­Types.Sql­String Column­List); t­SQLt­CLR.t­SQLt­Private get\_­Null(); Boolean get\_­Is­Null(); t­SQLt­CLR.t­SQLt­Private Parse(System.Data.Sql­Types.Sql­String input); String To­String(); Void Read(System.IO.Binary­Reader r); Void Write(System.IO.Binary­Writer w); Boolean Equals(Object obj); Int32 Get­Hash­Code(); Type Get­Type(); } class t­SQLt­CLR.Invalid­Result­Set­Exception : System.Runtime.Serialization.ISerializable, System.Runtime.Interop­Services.\_­Exception, System.Exception { String get\_­Message(); System.Collections.IDictionary get\_­Data(); Exception Get­Base­Exception(); Exception get\_­Inner­Exception(); System.Reflection.Method­Base get\_­Target­Site(); String get\_­Stack­Trace(); String get\_­Help­Link(); Void set\_­Help­Link(String value); String get\_­Source(); Void set\_­Source(String value); String To­String(); Void Get­Object­Data(System.Runtime.Serialization.Serialization­Info info , System.Runtime.Serialization.Streaming­Context context); Int32 get\_­HResult(); Type Get­Type(); Boolean Equals(Object obj); Int32 Get­Hash­Code(); Type Get­Type(); } class t­SQLt­CLR.Stored­Procedures : System.Object { Void Assert­Result­Sets­Have­Same­Meta­Data(System.Data.Sql­Types.Sql­String expected­Command , System.Data.Sql­Types.Sql­String actual­Command); Void Result­Set­Filter(System.Data.Sql­Types.Sql­Int32 result­Set­No , System.Data.Sql­Types.Sql­String command); Void New­Connection(System.Data.Sql­Types.Sql­String command); Void Capture­Output(System.Data.Sql­Types.Sql­String command); Void Suppress­Output(System.Data.Sql­Types.Sql­String command); String To­String(); Boolean Equals(Object obj); Int32 Get­Hash­Code(); Type Get­Type(); }

Related Files

|  |  |
| --- | --- |
| Attribute | Value |
| File | [t­SQLt­CLR.dll](file:///C:/Temp/Red%20Gate/SD_ed6e992e-1b85-444e-a289-3fd4eeba5be8.dll) |
| Original File name | t­SQLt­CLR |
| Length | 19456 |

SQL Script

|  |
| --- |
| --Assembly tsqltclr, version=1.0.5137.39257, culture=neutral, publickeytoken=c52df87e182deed0, processorarchitecture=msil  CREATE ASSEMBLY [t­SQLt­CLR]  AUTHORIZATION [dbo]  FROM 0x4d5a90000300000004000000ffff0000b800000000000000400000000000000000000000000000000000000000000000000000000000000000000000800000000e1fba0e00b409cd21b8014ccd21546869732070726f6772616d2063616e6e6f742062652072756e20696e20444f53206d6f64652e0d0d0a2400000000000000\  504500004c0103000226e3520000000000000000e00002210b010b00004400000006000000000000fe62000000200000008000000000001000200000000200000400000000000000040000000000000000c000000002000007d20000030040850000100000100000000010000010000000000000100000000000000000000000\  ac6200004f00000000800000e80300000000000000000000000000000000000000a000000c000000746100001c0000000000000000000000000000000000000000000000000000000000000000000000000000000000000000200000080000000000000000000000082000004800000000000000000000002e74657874000000\  04430000002000000044000000020000000000000000000000000000200000602e72737263000000e8030000008000000004000000460000000000000000000000000000400000402e72656c6f6300000c00000000a0000000020000004a00000000000000000000000000004000004200000000000000000000000000000000\  e062000000000000480000000200050078330000fc2d00000900000000000000000000000000000050200000800000000000000000000000000000000000000000000000000000000000000000000000758f7b67803268f809443b4947b48a9d241a6ac1d3b4df304172764ffe3ab1ec16b4934833034fb4511ac6f358e9bd14\  ce8794c1fa9c9f57c32666a321c2afb93b7f0978690d1c79e3fa3a23b5319f3aa9307cc44e8368ef85340943299a1840bec2c0ed158c6f71d8b3f25cc4169f7cae61c36bbc83282308cd012de715cdbc1b3002006d00000001000011140a18730f00000a0b28020000060c08731000000a0a066f1100000a731200000a0d0906\  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01130013000f070415126101126512651281351219072002010e118119082003010e1181190a050000128159070002051c128161092004010e11811905050a2003010e1181191281550d07051181190e12815508118119040701121c040701122004070112080407011210040001011c0420010e0805070212310e052002011c\  180620010112817107200112311181750707021280b91231080002111d111d111d05200012817907200212817d0e1c062001011181810507011280b90d0100087453514c74434c5200002e010029434c527320666f7220746865207453514c7420756e69742074657374696e67206672616d65776f726b00000501000000000f\  01000a73716c6974792e6e657400000a0100057453514c7400002101001c436f7079726967687420c2a92073716c6974792e6e6574203230313000000501000100000801000200000000000801000800000000001e01000100540216577261704e6f6e457863657074696f6e5468726f77730100000000000226e35200000000\  020000001c01000090610000904300005253445396c3e8da5493f8489282af042880ed7101000000633a5c5465616d436974795c6275696c644167656e745c776f726b5c313466636362646638656531373032655c7453514c74434c525c7453514c74434c525c6f626a5c437275697365436f6e74726f6c5c7453514c74434c\  522e706462000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000\  0000000000000000000000000000000000000000000000000000000000000000000000000000000000000000d46200000000000000000000ee620000002000000000000000000000000000000000000000000000e0620000000000000000000000005f436f72446c6c4d61696e006d73636f7265652e646c6c0000000000ff25\  0020001000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000\  0000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000\  00000000000000000000000000000100100000001800008000000000000000000000000000000100010000003000008000000000000000000000000000000100000000004800000058800000900300000000000000000000900334000000560053005f00560045005200530049004f004e005f0049004e0046004f0000000000\  bd04effe00000100000001005999111400000100599911143f000000000000000400000002000000000000000000000000000000440000000100560061007200460069006c00650049006e0066006f00000000002400040000005400720061006e0073006c006100740069006f006e00000000000000b004f002000001005300\  7400720069006e006700460069006c00650049006e0066006f000000cc02000001003000300030003000300034006200300000006c002a00010043006f006d006d0065006e0074007300000043004c0052007300200066006f007200200074006800650020007400530051004c007400200075006e0069007400200074006500\  7300740069006e00670020006600720061006d00650077006f0072006b00000038000b00010043006f006d00700061006e0079004e0061006d00650000000000730071006c006900740079002e006e0065007400000000003c0009000100460069006c0065004400650073006300720069007000740069006f006e0000000000\  7400530051004c00740043004c0052000000000040000f000100460069006c006500560065007200730069006f006e000000000031002e0030002e0035003100330037002e0033003900320035003700000000003c000d00010049006e007400650072006e0061006c004e0061006d00650000007400530051004c0074004300\  4c0052002e0064006c006c00000000005c001c0001004c006500670061006c0043006f007000790072006900670068007400000043006f0070007900720069006700680074002000a9002000730071006c006900740079002e006e006500740020003200300031003000000044000d0001004f0072006900670069006e006100\  6c00460069006c0065006e0061006d00650000007400530051004c00740043004c0052002e0064006c006c00000000002c0006000100500072006f0064007500630074004e0061006d006500000000007400530051004c007400000044000f000100500072006f006400750063007400560065007200730069006f006e000000\  31002e0030002e0035003100330037002e00330039003200350037000000000048000f00010041007300730065006d0062006c0079002000560065007200730069006f006e00000031002e0030002e0035003100330037002e003300390032003500370000000000000000000000000000000000000000000000000000000000\  006000000c000000003300000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000\  0000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000\  0000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000\  0000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000  WITH PERMISSION\_­SET=EXTERNAL\_­ACCESS  GO |

Used By

[[t­SQLt].[Assert­Result­Sets­Have­Same­Meta­Data]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertResultSetsHaveSameMetaData)

[[t­SQLt].[Capture­Output]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/CaptureOutput)

[[t­SQLt].[New­Connection]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/NewConnection)

[[t­SQLt].[Result­Set­Filter]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ResultSetFilter)

[[t­SQLt].[Suppress­Output]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/SuppressOutput)

[[t­SQLt].[Private]](#B3VZJY1/User_databases/App4Learn/Programmability/Types/User-Defined_Types/Private)

|  |
| --- |
| User-Defined Table Types |

Objects

|  |
| --- |
| Name |
| [questions.Demonstration­Insert­Type](#B3VZJY1/User_databases/App4Learn/Programmability/Types/User-Defined_Table_Types/DemonstrationInsertType) |
| [questions.Question­Insert­Type](#B3VZJY1/User_databases/App4Learn/Programmability/Types/User-Defined_Table_Types/QuestionInsertType) |

|  |
| --- |
| [questions].[Demonstration­Insert­Type] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Latin1\_­General\_­CI\_­AS |
| Heap | True |

Columns

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Max Length (Bytes) | Allow Nulls |
| Demonstration­Stage­Insert | varchar(6000) | 6000 | False |
| Reg­Ex­Insert | varchar(2000) | 2000 | False |
| Stage­Mark­Insert | int | 4 | False |

SQL Script

|  |
| --- |
| CREATE TYPE [questions].[Demonstration­Insert­Type] AS TABLE  (  [Demonstration­Stage­Insert] [varchar] (6000) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL,  [Reg­Ex­Insert] [varchar] (2000) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL,  [Stage­Mark­Insert] [int] NOT NULL  )  GO |

Uses

[questions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/questions)

|  |
| --- |
| [questions].[Question­Insert­Type] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Collation | Latin1\_­General\_­CI\_­AS |
| Heap | True |

Columns

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Data Type | Max Length (Bytes) | Allow Nulls |
| Selected­Subject­ID | int | 4 | False |
| Selected­Curriculum­ID | int | 4 | False |
| Selected­Key­Stage­ID | int | 4 | False |
| Selected­Explanation­ID | int | 4 | False |
| New­Question | varchar(200) | 200 | False |
| New­Answer | varchar(1500) | 1500 | False |
| Amount­Of­Steps­Set | int | 4 | False |
| Total­Marks­Set | int | 4 | False |
| New­False­Answer­A | varchar(1500) | 1500 | False |
| New­False­Answer­B | varchar(1500) | 1500 | False |
| New­False­Answer­C | varchar(1500) | 1500 | False |
| New­Search­String | varchar(300) | 300 | True |
| New­Web­Link | varchar(300) | 300 | True |

SQL Script

|  |
| --- |
| CREATE TYPE [questions].[Question­Insert­Type] AS TABLE  (  [Selected­Subject­ID] [int] NOT NULL,  [Selected­Curriculum­ID] [int] NOT NULL,  [Selected­Key­Stage­ID] [int] NOT NULL,  [Selected­Explanation­ID] [int] NOT NULL,  [New­Question] [varchar] (200) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL,  [New­Answer] [varchar] (1500) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL,  [Amount­Of­Steps­Set] [int] NOT NULL,  [Total­Marks­Set] [int] NOT NULL,  [New­False­Answer­A] [varchar] (1500) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL,  [New­False­Answer­B] [varchar] (1500) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL,  [New­False­Answer­C] [varchar] (1500) COLLATE Latin1\_­General\_­CI\_­AS NOT NULL,  [New­Search­String] [varchar] (300) COLLATE Latin1\_­General\_­CI\_­AS NULL,  [New­Web­Link] [varchar] (300) COLLATE Latin1\_­General\_­CI\_­AS NULL  )  GO |

Uses

[questions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/questions)

|  |
| --- |
| User-Defined Types |

Objects

|  |
| --- |
| Name |
| [t­SQLt.Private](#B3VZJY1/User_databases/App4Learn/Programmability/Types/User-Defined_Types/Private) |

|  |
| --- |
| [t­SQLt].[Private] |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Allow Nulls | True |
| Length | 1 |
| Assembly | [t­SQLt­CLR.t­SQLt­CLR.t­SQLt­Private](#B3VZJY1/User_databases/App4Learn/Programmability/Assemblies/tSQLtCLR) |

SQL Script

|  |
| --- |
| CREATE TYPE [t­SQLt].[Private]  EXTERNAL NAME [t­SQLt­CLR].[t­SQLt­CLR.t­SQLt­Private]  GO |

Uses

[[t­SQLt­CLR]](#B3VZJY1/User_databases/App4Learn/Programmability/Assemblies/tSQLtCLR)

[t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt)

Used By

[[t­SQLt].[Assert­Equals­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEqualsTable)

[[t­SQLt].[Private\_­Rename­Object­To­Unique­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RenameObjectToUniqueName)

[[t­SQLt].[Table­To­Text]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/TableToText)

[[t­SQLt].[Info]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Info)

[[t­SQLt].[Private\_­Get­Foreign­Key­Definition]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetForeignKeyDefinition)

|  |
| --- |
| Users |

Objects

|  |
| --- |
| Name |
| [App­Access](#B3VZJY1/User_databases/App4Learn/Security/Users/AppAccess) |

|  |
| --- |
| App­Access |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Type | Sql­User |
| Login Name | App­Access |
| Default Schema | dbo |

Database Level Permissions

|  |  |
| --- | --- |
| Type | Action |
| CONNECT | Grant |

SQL Script

|  |
| --- |
| IF NOT EXISTS (SELECT \* FROM master.dbo.syslogins WHERE loginname = N'App­Access')  CREATE LOGIN [App­Access] WITH PASSWORD = 'p@ssw0rd'  GO  CREATE USER [App­Access] FOR LOGIN [App­Access]  GO |

Used By

[curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/curriculum)

[questions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/questions)

[users](#B3VZJY1/User_databases/App4Learn/Security/Schemas/users)

|  |
| --- |
| Database Roles |

Objects

|  |
| --- |
| Name |
| [db\_accessadmin](#B3VZJY1/User_databases/App4Learn/Security/Roles/Database_Roles/db_accessadmin) |
| [db\_backupoperator](#B3VZJY1/User_databases/App4Learn/Security/Roles/Database_Roles/db_backupoperator) |
| [db\_datareader](#B3VZJY1/User_databases/App4Learn/Security/Roles/Database_Roles/db_datareader) |
| [db\_datawriter](#B3VZJY1/User_databases/App4Learn/Security/Roles/Database_Roles/db_datawriter) |
| [db\_ddladmin](#B3VZJY1/User_databases/App4Learn/Security/Roles/Database_Roles/db_ddladmin) |
| [db\_denydatareader](#B3VZJY1/User_databases/App4Learn/Security/Roles/Database_Roles/db_denydatareader) |
| [db\_denydatawriter](#B3VZJY1/User_databases/App4Learn/Security/Roles/Database_Roles/db_denydatawriter) |
| [db\_owner](#B3VZJY1/User_databases/App4Learn/Security/Roles/Database_Roles/db_owner) |
| [db\_securityadmin](#B3VZJY1/User_databases/App4Learn/Security/Roles/Database_Roles/db_securityadmin) |
| [public](#B3VZJY1/User_databases/App4Learn/Security/Roles/Database_Roles/public) |

|  |
| --- |
| db\_accessadmin |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

|  |
| --- |
| db\_backupoperator |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

|  |
| --- |
| db\_datareader |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

|  |
| --- |
| db\_datawriter |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

|  |
| --- |
| db\_ddladmin |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

|  |
| --- |
| db\_denydatareader |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

|  |
| --- |
| db\_denydatawriter |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

|  |
| --- |
| db\_owner |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

|  |
| --- |
| db\_securityadmin |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

|  |
| --- |
| public |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

|  |
| --- |
| Schemas |

Objects

|  |
| --- |
| Name |
| [curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/curriculum) |
| [Database­Integrity­Checks](#B3VZJY1/User_databases/App4Learn/Security/Schemas/DatabaseIntegrityChecks) |
| [Get­Explanation­Details](#B3VZJY1/User_databases/App4Learn/Security/Schemas/GetExplanationDetails) |
| [Get­Filtered­List­Of­Explanations­By­Curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/GetFilteredListOfExplanationsByCurriculum) |
| [Get­Filtered­List­Of­Explanations­By­Subject](#B3VZJY1/User_databases/App4Learn/Security/Schemas/GetFilteredListOfExplanationsBySubject) |
| [Get­List­Of­Question­Ids](#B3VZJY1/User_databases/App4Learn/Security/Schemas/GetListOfQuestionIds) |
| [Get­Training­Demo­Step­Details­List](#B3VZJY1/User_databases/App4Learn/Security/Schemas/GetTrainingDemoStepDetailsList) |
| [Insert­New­Curriculum](#B3VZJY1/User_databases/App4Learn/Security/Schemas/InsertNewCurriculum) |
| [Insert­New­Demonstration­Step](#B3VZJY1/User_databases/App4Learn/Security/Schemas/InsertNewDemonstrationStep) |
| [Insert­New­Explanation](#B3VZJY1/User_databases/App4Learn/Security/Schemas/InsertNewExplanation) |
| [Insert­New­Key­Stage](#B3VZJY1/User_databases/App4Learn/Security/Schemas/InsertNewKeyStage) |
| [Insert­New­Question](#B3VZJY1/User_databases/App4Learn/Security/Schemas/InsertNewQuestion) |
| [Insert­New­Subject](#B3VZJY1/User_databases/App4Learn/Security/Schemas/InsertNewSubject) |
| [Procedures­Do­Not­Throw­Exceptions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/ProceduresDoNotThrowExceptions) |
| [questions](#B3VZJY1/User_databases/App4Learn/Security/Schemas/questions) |
| [SQLCop](#B3VZJY1/User_databases/App4Learn/Security/Schemas/SQLCop) |
| [t­SQLt](#B3VZJY1/User_databases/App4Learn/Security/Schemas/tSQLt) |
| [users](#B3VZJY1/User_databases/App4Learn/Security/Schemas/users) |

|  |
| --- |
| curriculum |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | [App­Access](#B3VZJY1/User_databases/App4Learn/Security/Users/AppAccess) |

SQL Script

|  |
| --- |
| CREATE SCHEMA [curriculum]  AUTHORIZATION [App­Access]  GO |

Uses

[App­Access](#B3VZJY1/User_databases/App4Learn/Security/Users/AppAccess)

Used By

[[curriculum].[tbl­Curriculum]](#B3VZJY1/User_databases/App4Learn/Tables/tblCurriculum)

[[curriculum].[tbl­Explanation]](#B3VZJY1/User_databases/App4Learn/Tables/tblExplanation)

[[curriculum].[tbl­Key­Stage]](#B3VZJY1/User_databases/App4Learn/Tables/tblKeyStage)

[[curriculum].[tbl­Subject]](#B3VZJY1/User_databases/App4Learn/Tables/tblSubject)

[[curriculum].[Get­Explanation­Details]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetExplanationDetails)

[[curriculum].[Get­Filtered­List­Of­Curriculum]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetFilteredListOfCurriculum)

[[curriculum].[Get­Filtered­List­Of­Explanations­By­Curriculum]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetFilteredListOfExplanationsByCurriculum)

[[curriculum].[Get­Filtered­List­Of­Explanations­By­Subject]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetFilteredListOfExplanationsBySubject)

[[curriculum].[Get­List­Of­Curriculum]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetListOfCurriculum)

[[curriculum].[Get­List­Of­Explanations]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetListOfExplanations)

[[curriculum].[Get­List­Of­Key­Stages]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetListOfKeyStages)

[[curriculum].[Get­List­Of­Subjects]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetListOfSubjects)

[[curriculum].[Insert­New­Curriculum]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewCurriculum)

[[curriculum].[Insert­New­Explanation]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewExplanation)

[[curriculum].[Insert­New­Key­Stage]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewKeyStage)

[[curriculum].[Insert­New­Subject]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewSubject)

|  |
| --- |
| Database­Integrity­Checks |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

Extended Properties

|  |  |
| --- | --- |
| Name | Value |
| t­SQLt.Test­Class | 1 |

SQL Script

|  |
| --- |
| CREATE SCHEMA [Database­Integrity­Checks]  AUTHORIZATION [dbo]  GO  DECLARE @xp int  SELECT @xp=1  EXEC sp\_addextendedproperty N't­SQLt.Test­Class', @xp, 'SCHEMA', N'Database­Integrity­Checks', NULL, NULL, NULL, NULL  GO |

Used By

[[Database­Integrity­Checks].[test Procedures­Have­No­Exception­Tests]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ProceduresHaveNoExceptionTests)

|  |
| --- |
| Get­Explanation­Details |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

Extended Properties

|  |  |
| --- | --- |
| Name | Value |
| t­SQLt.Test­Class | 1 |

SQL Script

|  |
| --- |
| CREATE SCHEMA [Get­Explanation­Details]  AUTHORIZATION [dbo]  GO  DECLARE @xp int  SELECT @xp=1  EXEC sp\_addextendedproperty N't­SQLt.Test­Class', @xp, 'SCHEMA', N'Get­Explanation­Details', NULL, NULL, NULL, NULL  GO |

Used By

[[Get­Explanation­Details].[test Returns­Correct­Explanation]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsCorrectExplanation)

|  |
| --- |
| Get­Filtered­List­Of­Explanations­By­Curriculum |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

Extended Properties

|  |  |
| --- | --- |
| Name | Value |
| t­SQLt.Test­Class | 1 |

SQL Script

|  |
| --- |
| CREATE SCHEMA [Get­Filtered­List­Of­Explanations­By­Curriculum]  AUTHORIZATION [dbo]  GO  DECLARE @xp int  SELECT @xp=1  EXEC sp\_addextendedproperty N't­SQLt.Test­Class', @xp, 'SCHEMA', N'Get­Filtered­List­Of­Explanations­By­Curriculum', NULL, NULL, NULL, NULL  GO |

Used By

[[Get­Filtered­List­Of­Explanations­By­Curriculum].[Setup]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Setup)

[[Get­Filtered­List­Of­Explanations­By­Curriculum].[test Returns­Correct­List]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsCorrectList)

[[Get­Filtered­List­Of­Explanations­By­Curriculum].[test Returns­Nothing­If­Zero­Passed­In]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsNothingIfZeroPassedIn)

[[Get­Filtered­List­Of­Explanations­By­Curriculum].[test Returns­Wrong­List­With­Wrong­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsWrongListWithWrongID)

|  |
| --- |
| Get­Filtered­List­Of­Explanations­By­Subject |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

Extended Properties

|  |  |
| --- | --- |
| Name | Value |
| t­SQLt.Test­Class | 1 |

SQL Script

|  |
| --- |
| CREATE SCHEMA [Get­Filtered­List­Of­Explanations­By­Subject]  AUTHORIZATION [dbo]  GO  DECLARE @xp int  SELECT @xp=1  EXEC sp\_addextendedproperty N't­SQLt.Test­Class', @xp, 'SCHEMA', N'Get­Filtered­List­Of­Explanations­By­Subject', NULL, NULL, NULL, NULL  GO |

Used By

[[Get­Filtered­List­Of­Explanations­By­Subject].[Setup]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Setup_0000)

[[Get­Filtered­List­Of­Explanations­By­Subject].[test Returns­Correct­List]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsCorrectList_0001)

[[Get­Filtered­List­Of­Explanations­By­Subject].[test Returns­Nothing­If­Zero­Passed­In]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsNothingIfZeroPassedIn_0002)

[[Get­Filtered­List­Of­Explanations­By­Subject].[test Returns­Wrong­List­With­Wrong­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsWrongListWithWrongID_0003)

|  |
| --- |
| Get­List­Of­Question­Ids |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

Extended Properties

|  |  |
| --- | --- |
| Name | Value |
| t­SQLt.Test­Class | 1 |

SQL Script

|  |
| --- |
| CREATE SCHEMA [Get­List­Of­Question­Ids]  AUTHORIZATION [dbo]  GO  DECLARE @xp int  SELECT @xp=1  EXEC sp\_addextendedproperty N't­SQLt.Test­Class', @xp, 'SCHEMA', N'Get­List­Of­Question­Ids', NULL, NULL, NULL, NULL  GO |

Used By

[[Get­List­Of­Question­Ids].[Setup]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Setup_0004)

[[Get­List­Of­Question­Ids].[test Returns­Valid­List]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsValidList)

[[Get­List­Of­Question­Ids].[test Returns­Zero­If­Nothing­Found]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ReturnsZeroIfNothingFound)

|  |
| --- |
| Get­Training­Demo­Step­Details­List |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

Extended Properties

|  |  |
| --- | --- |
| Name | Value |
| t­SQLt.Test­Class | 1 |

SQL Script

|  |
| --- |
| CREATE SCHEMA [Get­Training­Demo­Step­Details­List]  AUTHORIZATION [dbo]  GO  DECLARE @xp int  SELECT @xp=1  EXEC sp\_addextendedproperty N't­SQLt.Test­Class', @xp, 'SCHEMA', N'Get­Training­Demo­Step­Details­List', NULL, NULL, NULL, NULL  GO |

Used By

[[Get­Training­Demo­Step­Details­List].[Setup]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Setup_0005)

[[Get­Training­Demo­Step­Details­List].[test List­Of­Steps­Is­Returned­In­Assending­Order]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ListOfStepsIsReturnedInAssendingOrder)

[[Get­Training­Demo­Step­Details­List].[test List­Of­Steps­Returns­Empty­Table­If­No­Question­Found]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ListOfStepsReturnsEmptyTableIfNoQuestionFound)

|  |
| --- |
| Insert­New­Curriculum |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

Extended Properties

|  |  |
| --- | --- |
| Name | Value |
| t­SQLt.Test­Class | 1 |

SQL Script

|  |
| --- |
| CREATE SCHEMA [Insert­New­Curriculum]  AUTHORIZATION [dbo]  GO  DECLARE @xp int  SELECT @xp=1  EXEC sp\_addextendedproperty N't­SQLt.Test­Class', @xp, 'SCHEMA', N'Insert­New­Curriculum', NULL, NULL, NULL, NULL  GO |

Used By

[[Insert­New­Curriculum].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID)

[[Insert­New­Curriculum].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased)

|  |
| --- |
| Insert­New­Demonstration­Step |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

Extended Properties

|  |  |
| --- | --- |
| Name | Value |
| t­SQLt.Test­Class | 1 |

SQL Script

|  |
| --- |
| CREATE SCHEMA [Insert­New­Demonstration­Step]  AUTHORIZATION [dbo]  GO  DECLARE @xp int  SELECT @xp=1  EXEC sp\_addextendedproperty N't­SQLt.Test­Class', @xp, 'SCHEMA', N'Insert­New­Demonstration­Step', NULL, NULL, NULL, NULL  GO |

Used By

[[Insert­New­Demonstration­Step].[Setup]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Setup_0006)

[[Insert­New­Demonstration­Step].[test Check­Exception­Is­Thrown­If­Invalid­Type­Passed­In]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckExceptionIsThrownIfInvalidTypePassedIn)

[[Insert­New­Demonstration­Step].[test Check­Step­Is­Inserted­Correctly]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckStepIsInsertedCorrectly)

|  |
| --- |
| Insert­New­Explanation |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

Extended Properties

|  |  |
| --- | --- |
| Name | Value |
| t­SQLt.Test­Class | 1 |

SQL Script

|  |
| --- |
| CREATE SCHEMA [Insert­New­Explanation]  AUTHORIZATION [dbo]  GO  DECLARE @xp int  SELECT @xp=1  EXEC sp\_addextendedproperty N't­SQLt.Test­Class', @xp, 'SCHEMA', N'Insert­New­Explanation', NULL, NULL, NULL, NULL  GO |

Used By

[[Insert­New­Explanation].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_0007)

[[Insert­New­Explanation].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_0008)

|  |
| --- |
| Insert­New­Key­Stage |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

Extended Properties

|  |  |
| --- | --- |
| Name | Value |
| t­SQLt.Test­Class | 1 |

SQL Script

|  |
| --- |
| CREATE SCHEMA [Insert­New­Key­Stage]  AUTHORIZATION [dbo]  GO  DECLARE @xp int  SELECT @xp=1  EXEC sp\_addextendedproperty N't­SQLt.Test­Class', @xp, 'SCHEMA', N'Insert­New­Key­Stage', NULL, NULL, NULL, NULL  GO |

Used By

[[Insert­New­Key­Stage].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_0009)

[[Insert­New­Key­Stage].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_000a)

|  |
| --- |
| Insert­New­Question |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

Extended Properties

|  |  |
| --- | --- |
| Name | Value |
| t­SQLt.Test­Class | 1 |

SQL Script

|  |
| --- |
| CREATE SCHEMA [Insert­New­Question]  AUTHORIZATION [dbo]  GO  DECLARE @xp int  SELECT @xp=1  EXEC sp\_addextendedproperty N't­SQLt.Test­Class', @xp, 'SCHEMA', N'Insert­New­Question', NULL, NULL, NULL, NULL  GO |

Used By

[[Insert­New­Question].[test Check­Exception­Thrown­If­Invalid­Type­Passed­In]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckExceptionThrownIfInvalidTypePassedIn)

[[Insert­New­Question].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_000b)

[[Insert­New­Question].[test Check­Question­Inserted­With­NULLSearch­String]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckQuestionInsertedWithNULLSearchString)

[[Insert­New­Question].[test Check­Question­Inserted­With­NULLWeb­Address]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckQuestionInsertedWithNULLWebAddress)

[[Insert­New­Question].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_000c)

|  |
| --- |
| Insert­New­Subject |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

Extended Properties

|  |  |
| --- | --- |
| Name | Value |
| t­SQLt.Test­Class | 1 |

SQL Script

|  |
| --- |
| CREATE SCHEMA [Insert­New­Subject]  AUTHORIZATION [dbo]  GO  DECLARE @xp int  SELECT @xp=1  EXEC sp\_addextendedproperty N't­SQLt.Test­Class', @xp, 'SCHEMA', N'Insert­New­Subject', NULL, NULL, NULL, NULL  GO |

Used By

[[Insert­New­Subject].[test Check­IDReturned­Is­Latest­ID]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIDReturnedIsLatestID_000d)

[[Insert­New­Subject].[test Check­Row­Count­Is­Increased]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckRowCountIsIncreased_000e)

|  |
| --- |
| Procedures­Do­Not­Throw­Exceptions |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

Extended Properties

|  |  |
| --- | --- |
| Name | Value |
| t­SQLt.Test­Class | 1 |

SQL Script

|  |
| --- |
| CREATE SCHEMA [Procedures­Do­Not­Throw­Exceptions]  AUTHORIZATION [dbo]  GO  DECLARE @xp int  SELECT @xp=1  EXEC sp\_addextendedproperty N't­SQLt.Test­Class', @xp, 'SCHEMA', N'Procedures­Do­Not­Throw­Exceptions', NULL, NULL, NULL, NULL  GO |

Used By

[[Procedures­Do­Not­Throw­Exceptions].[test Check­If­User­Is­Available No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIfUserIsAvailable_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Check­If­User­Is­In­Database No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CheckIfUserIsInDatabase_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Create­New­User No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_CreateNewUser_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­Explanation­Details No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetExplanationDetails_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­Filtered­List­Of­Curriculum No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetFilteredListOfCurriculum_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­Filtered­List­Of­Explanations­By­Curriculum No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetFilteredListOfExplanationsByCurriculum_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­Filtered­List­Of­Explanations­By­Subject No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetFilteredListOfExplanationsBySubject_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­Immitation­Steps No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetImmitationSteps_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Curriculum No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetListOfCurriculum_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Explanations No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetListOfExplanations_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Key­Stages No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetListOfKeyStages_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Question­Ids No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetListOfQuestionIds_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­List­Of­Subjects No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetListOfSubjects_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­Training­Demo­Step­Details­List No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetTrainingDemoStepDetailsList_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­Training­Explanation­Details No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetTrainingExplanationDetails_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Get­User­Details No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_GetUserDetails_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Curriculum No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewCurriculum_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Demonstration­Step No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewDemonstrationStep_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Explanation No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewExplanation_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Key­Stage No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewKeyStage_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Question No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewQuestion_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Insert­New­Subject No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_InsertNewSubject_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Test­Connection No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_TestConnection_NoException)

[[Procedures­Do­Not­Throw­Exceptions].[test Validate­User No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_ValidateUser_NoException)

|  |
| --- |
| questions |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | [App­Access](#B3VZJY1/User_databases/App4Learn/Security/Users/AppAccess) |

SQL Script

|  |
| --- |
| CREATE SCHEMA [questions]  AUTHORIZATION [App­Access]  GO |

Uses

[App­Access](#B3VZJY1/User_databases/App4Learn/Security/Users/AppAccess)

Used By

[[questions].[tbl­Demonstration­Stage]](#B3VZJY1/User_databases/App4Learn/Tables/tblDemonstrationStage)

[[questions].[tbl­Question]](#B3VZJY1/User_databases/App4Learn/Tables/tblQuestion)

[[questions].[Get­Immitation­Steps]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetImmitationSteps)

[[questions].[Get­List­Of­Question­Ids]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetListOfQuestionIds)

[[questions].[Get­Training­Demo­Step­Details­List]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetTrainingDemoStepDetailsList)

[[questions].[Get­Training­Explanation­Details]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetTrainingExplanationDetails)

[[questions].[Insert­New­Demonstration­Step]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewDemonstrationStep)

[[questions].[Insert­New­Question]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/InsertNewQuestion)

[[questions].[Demonstration­Insert­Type]](#B3VZJY1/User_databases/App4Learn/Programmability/Types/User-Defined_Table_Types/DemonstrationInsertType)

[[questions].[Question­Insert­Type]](#B3VZJY1/User_databases/App4Learn/Programmability/Types/User-Defined_Table_Types/QuestionInsertType)

|  |
| --- |
| SQLCop |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

Extended Properties

|  |  |
| --- | --- |
| Name | Value |
| t­SQLt.Test­Class | 1 |

SQL Script

|  |
| --- |
| CREATE SCHEMA [SQLCop]  AUTHORIZATION [dbo]  GO  DECLARE @xp int  SELECT @xp=1  EXEC sp\_addextendedproperty N't­SQLt.Test­Class', @xp, 'SCHEMA', N'SQLCop', NULL, NULL, NULL, NULL  GO |

Used By

[[SQLCop].[test Ad hoc distributed queries]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Ad_hoc_distributed_queries)

[[SQLCop].[test Auto close]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Auto_close)

[[SQLCop].[test Auto create statistics]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Auto_create_statistics)

[[SQLCop].[test Auto Shrink]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Auto_Shrink)

[[SQLCop].[test Auto update statistics]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Auto_update_statistics)

[[SQLCop].[test Buffer cache hit ratio]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Buffer_cache_hit_ratio)

[[SQLCop].[test Column collation does not match database default]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Column_collation_does_not_match_database_default)

[[SQLCop].[test Column data types (Numeric vs. Int)]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Column_data_types_(Numeric_vs._Int))

[[SQLCop].[test Column Name Problems]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Column_Name_Problems)

[[SQLCop].[test Columns of data type Text/n­Text]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Columns_of_data_type_Text_nText)

[[SQLCop].[test Columns with float data type]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Columns_with_float_data_type)

[[SQLCop].[test Columns with image data type]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Columns_with_image_data_type)

[[SQLCop].[test Compatibility Level]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Compatibility_Level)

[[SQLCop].[test Database collation]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Database_collation)

[[SQLCop].[test Database Mail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Database_Mail)

[[SQLCop].[test Decimal Size Problem]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Decimal_Size_Problem)

[[SQLCop].[test Forwarded Records]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Forwarded_Records)

[[SQLCop].[test Fragmented Indexes]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Fragmented_Indexes)

[[SQLCop].[test Login Language]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Login_Language)

[[SQLCop].[test Missing Foreign Key Indexes]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Missing_Foreign_Key_Indexes)

[[SQLCop].[test Missing Foreign Keys]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Missing_Foreign_Keys)

[[SQLCop].[test Ole Automation Procedures]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Ole_Automation_Procedures)

[[SQLCop].[test Orphaned Users]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Orphaned_Users)

[[SQLCop].[test Page life expectancy]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Page_life_expectancy)

[[SQLCop].[test Procedures Named SP\_]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Procedures_Named_SP_)

[[SQLCop].[test Procedures that call undocumented procedures]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Procedures_that_call_undocumented_procedures)

[[SQLCop].[test Procedures using dynamic SQL without sp\_executesql]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Procedures_using_dynamic_SQL_without_sp_executesql)

[[SQLCop].[test Procedures with @@Identity]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Procedures_with_@@Identity)

[[SQLCop].[test Procedures With SET ROWCOUNT]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Procedures_With_SET_ROWCOUNT)

[[SQLCop].[test Procedures without SET NOCOUNT ON]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Procedures_without_SET_NOCOUNT_ON)

[[SQLCop].[test Service Account]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Service_Account)

[[SQLCop].[test Table name problems]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Table_name_problems)

[[SQLCop].[test Tables without a primary key]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Tables_without_a_primary_key)

[[SQLCop].[test Unique­Identifier with New­Id]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_UniqueIdentifier_with_NewId)

[[SQLCop].[test Unnamed Constraints]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Unnamed_Constraints)

[[SQLCop].[test User Aliases]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_User_Aliases)

[[SQLCop].[test Views with order by]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Views_with_order_by)

[[SQLCop].[test Wide Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_Wide_Table)

[[SQLCop].[test xp\_cmdshell is enabled]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/test_xp_cmdshell_is_enabled)

|  |
| --- |
| t­SQLt |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | dbo |

SQL Script

|  |
| --- |
| CREATE SCHEMA [t­SQLt]  AUTHORIZATION [dbo]  GO |

Used By

[[t­SQLt].[Capture­Output­Log]](#B3VZJY1/User_databases/App4Learn/Tables/CaptureOutputLog)

[[t­SQLt].[Private\_­Expect­Exception]](#B3VZJY1/User_databases/App4Learn/Tables/Private_ExpectException)

[[t­SQLt].[Private\_­Null­Cell­Table]](#B3VZJY1/User_databases/App4Learn/Tables/Private_NullCellTable)

[[t­SQLt].[Private\_­Renamed­Object­Log]](#B3VZJY1/User_databases/App4Learn/Tables/Private_RenamedObjectLog)

[[t­SQLt].[Run\_­Last­Execution]](#B3VZJY1/User_databases/App4Learn/Tables/Run_LastExecution)

[[t­SQLt].[Test­Message]](#B3VZJY1/User_databases/App4Learn/Tables/TestMessage)

[[t­SQLt].[Test­Result]](#B3VZJY1/User_databases/App4Learn/Tables/TestResult)

[[t­SQLt].[Test­Classes]](#B3VZJY1/User_databases/App4Learn/Views/TestClasses)

[[t­SQLt].[Tests]](#B3VZJY1/User_databases/App4Learn/Views/Tests)

[[t­SQLt].[Apply­Constraint]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ApplyConstraint)

[[t­SQLt].[Apply­Trigger]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ApplyTrigger)

[[t­SQLt].[Assert­Empty­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEmptyTable)

[[t­SQLt].[Assert­Equals]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEquals)

[[t­SQLt].[Assert­Equals­String]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEqualsString)

[[t­SQLt].[Assert­Equals­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertEqualsTable)

[[t­SQLt].[Assert­Like]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertLike)

[[t­SQLt].[Assert­Not­Equals]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertNotEquals)

[[t­SQLt].[Assert­Object­Exists]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertObjectExists)

[[t­SQLt].[Assert­Result­Sets­Have­Same­Meta­Data]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/AssertResultSetsHaveSameMetaData)

[[t­SQLt].[Capture­Output]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/CaptureOutput)

[[t­SQLt].[Default­Result­Formatter]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/DefaultResultFormatter)

[[t­SQLt].[Drop­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/DropClass)

[[t­SQLt].[Expect­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectException)

[[t­SQLt].[Expect­No­Exception]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ExpectNoException)

[[t­SQLt].[Fail]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Fail)

[[t­SQLt].[Fake­Function]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeFunction)

[[t­SQLt].[Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/FakeTable)

[[t­SQLt].[Get­New­Tran­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetNewTranName)

[[t­SQLt].[Log­Captured­Output]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/LogCapturedOutput)

[[t­SQLt].[New­Connection]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/NewConnection)

[[t­SQLt].[New­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/NewTestClass)

[[t­SQLt].[Null­Test­Result­Formatter]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/NullTestResultFormatter)

[[t­SQLt].[Private\_­Apply­Check­Constraint]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ApplyCheckConstraint)

[[t­SQLt].[Private\_­Apply­Foreign­Key­Constraint]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ApplyForeignKeyConstraint)

[[t­SQLt].[Private\_­Clean­Test­Result]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CleanTestResult)

[[t­SQLt].[Private\_­Compare­Tables]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CompareTables)

[[t­SQLt].[Private\_­Compare­Tables­Fail­If­Unequal­Rows­Exists]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CompareTablesFailIfUnequalRowsExists)

[[t­SQLt].[Private\_­Create­Fake­Function]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CreateFakeFunction)

[[t­SQLt].[Private\_­Create­Fake­Of­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CreateFakeOfTable)

[[t­SQLt].[Private\_­Create­Procedure­Spy]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CreateProcedureSpy)

[[t­SQLt].[Private\_­Create­Result­Table­For­Compare­Tables]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_CreateResultTableForCompareTables)

[[t­SQLt].[Private\_­Disallow­Overwriting­Non­Test­Schema]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_DisallowOverwritingNonTestSchema)

[[t­SQLt].[Private\_­Get­Setup­Procedure­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_GetSetupProcedureName)

[[t­SQLt].[Private\_­Mark­Fake­Table]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_MarkFakeTable)

[[t­SQLt].[Private\_­Mark­Object­Before­Rename]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_MarkObjectBeforeRename)

[[t­SQLt].[Private\_­Mark­Schema­As­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_MarkSchemaAsTestClass)

[[t­SQLt].[Private\_­Output­Test­Results]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_OutputTestResults)

[[t­SQLt].[Private\_­Print]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_Print)

[[t­SQLt].[Private\_­Print­XML]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_PrintXML)

[[t­SQLt].[Private\_­Rename­Object­To­Unique­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RenameObjectToUniqueName)

[[t­SQLt].[Private\_­Rename­Object­To­Unique­Name­Using­Object­Id]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RenameObjectToUniqueNameUsingObjectId)

[[t­SQLt].[Private\_­Run]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_Run)

[[t­SQLt].[Private\_­Run­All]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunAll)

[[t­SQLt].[Private\_­Run­Test]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunTest)

[[t­SQLt].[Private\_­Run­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_RunTestClass)

[[t­SQLt].[Private\_­Save­Test­Name­For­Session]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_SaveTestNameForSession)

[[t­SQLt].[Private\_­Set­Fake­View­Off\_­Single­View]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_SetFakeViewOff_SingleView)

[[t­SQLt].[Private\_­Set­Fake­View­On\_­Single­View]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_SetFakeViewOn_SingleView)

[[t­SQLt].[Private\_­Validate­Fake­Table­Parameters]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ValidateFakeTableParameters)

[[t­SQLt].[Private\_­Validate­Objects­Compatible­With­Fake­Function]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ValidateObjectsCompatibleWithFakeFunction)

[[t­SQLt].[Private\_­Validate­Procedure­Can­Be­Used­With­Spy­Procedure]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ValidateProcedureCanBeUsedWithSpyProcedure)

[[t­SQLt].[Private\_­Validate­That­All­Data­Types­In­Table­Are­Supported]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Private_ValidateThatAllDataTypesInTableAreSupported)

[[t­SQLt].[Remove­Object]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RemoveObject)

[[t­SQLt].[Rename­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RenameClass)

[[t­SQLt].[Result­Set­Filter]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ResultSetFilter)

[[t­SQLt].[Run]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Run)

[[t­SQLt].[Run­All]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RunAll)

[[t­SQLt].[Run­Test]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RunTest)

[[t­SQLt].[Run­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RunTestClass)

[[t­SQLt].[Run­With­Null­Results]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RunWithNullResults)

[[t­SQLt].[Run­With­Xml­Results]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/RunWithXmlResults)

[[t­SQLt].[Set­Fake­View­Off]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/SetFakeViewOff)

[[t­SQLt].[Set­Fake­View­On]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/SetFakeViewOn)

[[t­SQLt].[Set­Test­Result­Formatter]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/SetTestResultFormatter)

[[t­SQLt].[Spy­Procedure]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/SpyProcedure)

[[t­SQLt].[Stub­Record]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/StubRecord)

[[t­SQLt].[Suppress­Output]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/SuppressOutput)

[[t­SQLt].[Table­To­Text]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/TableToText)

[[t­SQLt].[Uninstall]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/Uninstall)

[[t­SQLt].[Xml­Result­Formatter]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/XmlResultFormatter)

[[t­SQLt].[Private]](#B3VZJY1/User_databases/App4Learn/Programmability/Types/User-Defined_Types/Private)

[[t­SQLt].[F\_­Num]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/F_Num)

[[t­SQLt].[Get­Test­Result­Formatter]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/GetTestResultFormatter)

[[t­SQLt].[Info]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Info)

[[t­SQLt].[Private\_­Find­Constraint]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_FindConstraint)

[[t­SQLt].[Private\_­Get­Clean­Object­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetCleanObjectName)

[[t­SQLt].[Private\_­Get­Clean­Schema­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetCleanSchemaName)

[[t­SQLt].[Private\_­Get­Comma­Separated­Column­List]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetCommaSeparatedColumnList)

[[t­SQLt].[Private\_­Get­Constraint­Type]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetConstraintType)

[[t­SQLt].[Private\_­Get­Data­Type­Or­Computed­Column­Definition]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetDataTypeOrComputedColumnDefinition)

[[t­SQLt].[Private\_­Get­Default­Constraint­Definition]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetDefaultConstraintDefinition)

[[t­SQLt].[Private\_­Get­Foreign­Key­Definition]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetForeignKeyDefinition)

[[t­SQLt].[Private\_­Get­Foreign­Key­Par­Columns]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetForeignKeyParColumns)

[[t­SQLt].[Private\_­Get­Foreign­Key­Ref­Columns]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetForeignKeyRefColumns)

[[t­SQLt].[Private\_­Get­Full­Type­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetFullTypeName)

[[t­SQLt].[Private\_­Get­Identity­Definition]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetIdentityDefinition)

[[t­SQLt].[Private\_­Get­Last­Test­Name­If­Not­Provided]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetLastTestNameIfNotProvided)

[[t­SQLt].[Private\_­Get­Original­Table­Info]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetOriginalTableInfo)

[[t­SQLt].[Private\_­Get­Original­Table­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetOriginalTableName)

[[t­SQLt].[Private\_­Get­Quoted­Full­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetQuotedFullName)

[[t­SQLt].[Private\_­Get­Quoted­Table­Name­For­Constraint]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_GetQuotedTableNameForConstraint)

[[t­SQLt].[Private\_­Get­Schema­Id]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_GetSchemaId)

[[t­SQLt].[Private\_­Is­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_IsTestClass)

[[t­SQLt].[Private\_­Quote­Class­Name­For­New­Test­Class]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_QuoteClassNameForNewTestClass)

[[t­SQLt].[Private\_­Resolve­Apply­Constraint­Parameters]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_ResolveApplyConstraintParameters)

[[t­SQLt].[Private\_­Resolve­Fake­Table­Names­For­Backward­Compatibility]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_ResolveFakeTableNamesForBackwardCompatibility)

[[t­SQLt].[Private\_­Resolve­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_ResolveName)

[[t­SQLt].[Private\_­Resolve­Object­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_ResolveObjectName)

[[t­SQLt].[Private\_­Resolve­Schema­Name]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/Private_ResolveSchemaName)

[[t­SQLt].[Private\_­Sql­Variant­Formatter]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Scalar-valued_Functions/Private_SqlVariantFormatter)

[[t­SQLt].[Test­Case­Summary]](#B3VZJY1/User_databases/App4Learn/Programmability/Functions/Table-valued_Functions/TestCaseSummary)

|  |
| --- |
| users |

Properties

|  |  |
| --- | --- |
| Property | Value |
| Owner | [App­Access](#B3VZJY1/User_databases/App4Learn/Security/Users/AppAccess) |

SQL Script

|  |
| --- |
| CREATE SCHEMA [users]  AUTHORIZATION [App­Access]  GO |

Uses

[App­Access](#B3VZJY1/User_databases/App4Learn/Security/Users/AppAccess)

Used By

[[users].[tbl­Log­In]](#B3VZJY1/User_databases/App4Learn/Tables/tblLogIn)

[[users].[tbl­Training­Log]](#B3VZJY1/User_databases/App4Learn/Tables/tblTrainingLog)

[[users].[tbl­User]](#B3VZJY1/User_databases/App4Learn/Tables/tblUser)

[[users].[Check­If­User­Is­Available]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/CheckIfUserIsAvailable)

[[users].[Check­If­User­Is­In­Database]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/CheckIfUserIsInDatabase)

[[users].[Create­New­User]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/CreateNewUser)

[[users].[Get­User­Details]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/GetUserDetails)

[[users].[Test­Connection]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/TestConnection)

[[users].[Validate­User]](#B3VZJY1/User_databases/App4Learn/Programmability/Stored_Procedures/ValidateUser)