127.0.0.1,13001

HumairaQadeer_MidtermProject2

Server 127.0.0.1,13001

Author StudentCSCl381Erwin

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Databases (1)

• HumairaQadeer_MidtermProject2

Server Properties

Property	Value
Product	Microsoft SQL Server
Version	15.0.4236.7
Language	English
Platform	NT x64
Edition	Developer Edition (64-bit)
Engine Edition	3 (Enterprise)
Processors	4
OS Version	6.2 (9200)
Physical Memory	10225
Is Clustered	False
Root Directory	C:\
Collation	SQL_Latin1_General_CP1_CI_AS

Server Settings

Property	Value
Default data file path	/var/opt/mssql/data/
Default backup file path	/var/opt/mssql/backup/
Default log file path	/var/opt/mssql/log/
Recovery Interval (minutes)	0
Default index fill factor	0
Default backup media retention	0
Compress Backup	False

Advanced Server Settings

Property	Value
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
Max degree of parallelism	0
Min server memory	16
Max server memory	2147483647
Scan for startup procs	False
Transform noise words	False
CLR enabled	False
Blocked process threshold	0
Filestream access level	False
Optimize for ad hoc workloads	False
CLR strict security	True

□ User databases

Databases (1)

HumairaQadeer_MidtermProject2

目 HumairaQadeer_MidtermProject2 Database

Database Properties

Property	Value
SQL Server Version	Max
Compatibility Level	Max
Last backup time	-
Last log backup time	-
Creation date	Oct 25 2022
Users	4
Database Encryption Enabled	False
Database Encryption Algorithm	None
Database size	16.00 MB
Unallocated space	5.18 MB

Database Options

Property	Value
Compatibility Level	150
Database collation	SQL_Latin1_General_CP1_CI_AS
Restrict access	MULTI_USER
Is read-only	False
Auto close	False
Auto shrink	False
Database status	ONLINE
In standby	False
Cleanly shutdown	False
Supplemental logging enabled	False
Snapshot isolation state	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	False
Database chaining	False
Forced parameterization	False
Master key encrypted by server	False
Published	False
Subscribed	False
Merge published	False
Is distribution database	False
Sync with backup	False
Service broker GUID	1baa09bb-dd99-405d-8263-79673792fef9
Service broker enabled	False
Log reuse wait	NOTHING
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	60
Database owner	sa

Files

Name	Туре	Size	Maxsize	Autogrowth	File Name
HumairaQadeer_MidtermProject2	Data	8.00 MB	unlimited	64.00 MB	/var/opt/mssql/data/Hu mairaQadeer_Midterm- Project2.mdf
HumairaQadeer_Midterm- Project2_log	Log	8.00 MB	2048.00 GB	64.00 MB	/var/opt/mssql/log/Hum airaQadeer_Midterm-

					Project2_log.ldf
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■ Tables

Objects

Name
dbo.Nums
DbSecurity.UserAuthorization
HumanResources.Employee
Production.Category
Production.Product
Production.Supplier
Sales.Customer
Sales.Order
Sales.OrderDetail
Sales.Shipper
SystemVersioned.Employee
Triggered.AuditTriggeredEmployeeHistory
Triggered.Employee

[dbo].[Nums]

Properties

Property	Value	
Row Count (~)	0	
Created	7:15:18 AM Tuesday, October 25, 2022	
Last Modified	7:15:19 AM Tuesday, October 25, 2022	

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK C	Numsld	[sdSequenceInteger].[SurrogateKeyInt-Number]	4	NOT NULL	
	UserAuthorizationId	[sdSequenceInteger].[SurrogateKeyInt-Number]	4	NULL allowed	
	DateAdded	[sdDatetime2Precision7].[DateAdded]	8	NULL allowed	(sysdatetim e())
	DateOfLastUpdate	[sdDatetime2Precision7].[DateOfLast-Update]	8	NULL allowed	(sysdatetim e())

Indexes

Key	Name	Key Columns	Unique
PKP C	PK_Nums	NumsId	True

SQL Script

```
CREATE TABLE [dbo].[Nums]

(
[NumsId] [sdSequenceInteger].[SurrogateKeyIntNumber] NOT NULL,

[UserAuthorizationId] [sdSequenceInteger].[SurrogateKeyIntNumber] NULL,

[DateAdded] [sdDatetime2Precision7].[DateAdded] NULL CONSTRAINT [DF_Template_-
Sysdatetime_828688817] DEFAULT (sysdatetime()),

[DateOfLastUpdate] [sdDatetime2Precision7].[DateOfLastUpdate] NULL CONSTRAINT [DF_-
Template_Sysdatetime_149132907] DEFAULT (sysdatetime())

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[Nums] ADD CONSTRAINT [PK_Nums] PRIMARY KEY CLUSTERED ([NumsId]) ON
[PRIMARY]

GO
```

Uses

[sdDatetime2Precision7].[DateAdded]
[sdDatetime2Precision7].[DateOfLastUpdate]
[sdSequenceInteger].[SurrogateKeyIntNumber]

[DbSecurity].[UserAuthorization]

Properties

Property	Value	
Collation	SQL_Latin1_General_CP1_CI_AS	
Row Count (~) 0		
Created	7:15:18 AM Tuesday, October 25, 2022	
Last Modified 7:15:19 AM Tuesday, October 25, 2022		

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullabilit y	Default
PKP C	UserAuthorizationId	[sdSequenceInteger].[SurrogateKeyInt-Number]	4	NOT NULL	
	ClassTime	[sdTimeString].[ClassTimeString]	10	NULL allowed	('9:15')
	IndividualProjectName	[sdProjectString].[IndividualProject- NameString]	120	NULL allowed	('CSCI381 Midterm Project')
	GroupMemberLastName	[sdPersonNameString].[LastName-String]	50	NOT NULL	
	GroupMemberFirstName	[sdPersonNameString].[FirstName-String]	50	NOT NULL	
	GroupName	[sdShortDescriptionString].[Short- Description]	30	NOT NULL	('Group One')
	DateAdded	[sdDatetime2Precision7].[DateAdded]	8	NULL allowed	(sysdateti me())
	DateOfOfLastUpdate	[sdDatetime2Precision7].[DateOfLast-Update]	8	NULL allowed	(sysdateti me())

Indexes

Key	Name	Key Columns	
PKP C	PK_UserAuthorization	UserAuthorizationId	True

SQL Script

```
CREATE TABLE [DbSecurity].[UserAuthorization]

(
[UserAuthorizationId] [sdSequenceInteger].[SurrogateKeyIntNumber] NOT NULL,

[ClassTime] [sdTimeString].[ClassTimeString] NULL CONSTRAINT [DF UserAuthorization -
```

Project > 127.0.0.1,13001 > User databases > HumairaQadeer_MidtermProject2 > Tables > DbSecurity.User-Authorization

```
ClassTime 1685274210] DEFAULT ('9:15'),
[IndividualProjectName] [sdProjectString].[IndividualProjectNameString] NULL CONSTRAINT
[DF UserAuthorization IndividualProjectName 418397954] DEFAULT ('CSCI381 Midterm
Project'),
[GroupMemberLastName] [sdPersonNameString].[LastNameString] NOT NULL,
[GroupMemberFirstName] [sdPersonNameString].[FirstNameString] NOT NULL,
[GroupName] [sdShortDescriptionString].[ShortDescription] NOT NULL CONSTRAINT [DF User-
Authorization GroupName 1651260507] DEFAULT ('Group One'),
[DateAdded] [sdDatetime2Precision7].[DateAdded] NULL CONSTRAINT [DF_Template -
Sysdatetime 1298390765] DEFAULT (sysdatetime()),
[DateOfOfLastUpdate] [sdDatetime2Precision7].[DateOfLastUpdate] NULL CONSTRAINT [DF -
Template Sysdatetime 1534461204] DEFAULT (sysdatetime())
) ON [PRIMARY]
ALTER TABLE [DbSecurity].[UserAuthorization] ADD CONSTRAINT [PK UserAuthorization]
PRIMARY KEY CLUSTERED ([UserAuthorizationId]) ON [PRIMARY]
GO
```

Uses

[sdDatetime2Precision7].[DateAdded]
[sdDatetime2Precision7].[DateOfLastUpdate]
[sdPersonNameString].[FirstNameString]
[sdPersonNameString].[LastNameString]
[sdProjectString].[IndividualProjectNameString]
[sdSequenceInteger].[SurrogateKeyIntNumber]
[sdShortDescriptionString].[ShortDescription]
[sdTimeString].[ClassTimeString]
DbSecurity

Ⅲ [HumanResources].[Employee]

Properties

Property Value		
Collation	SQL_Latin1_General_CP1_CI_AS	
Row Count (~)	0	
Created	7:15:18 AM Tuesday, October 25, 2022	
Last Modified	7:15:19 AM Tuesday, October 25, 2022	

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullabilit y	Identity
PK <mark>P</mark> C	Employeeld	[sdSequenceInteger].[SurrogateKey-IntNumber]	4	NOT NULL	1 - 1
ı.t.	EmployeeLastName	[sdPersonNameString].[LastName-String]	50	NOT NULL	
.t.	EmployeeFirstName	[sdPersonNameString].[FirstName-String]	50	NOT NULL	
	EmployeeTitle	[sdPersonTitleString].[ContactTitle-String]	60	NOT NULL	
	EmployeeTitleOfCourtesy	[sdPersonTitleString].[TitleOf-CourtesyString]	10	NOT NULL	
<u>.</u>	BirthDate	[sdDateYYYYMMDD].[Date- YYYYMMDD]	3	NOT NULL	
	HireDate	[sdDateYYYYMMDD].[Date- YYYYMMDD]	3	NOT NULL	
	EmployeeAddress	[sdAddressString].[AddressString]	120	NOT NULL	
	EmployeeCity	[sdCityStateCountryRegion- String].[CityString]	30	NULL allowed	
	EmployeeRegion	[sdCityStateCountryRegion- String].[RegionString]	30	NULL allowed	
	EmployeePostalCode	[sdPostalCodeString].[PostalCode-String]	20	NULL allowed	
	EmployeeCountry	[sdCityStateCountryRegion- String].[CountryString]	30	NOT NULL	
	EmployeePhoneNumber	[sdPhoneNumberString].[Telephone- NumberString]	48	NOT NULL	
	EmployeeManagerId	[sdSequenceInteger].[SurrogateKey-IntNumber]	4	NULL allowed	
	DateAdded	[sdDatetime2Precision7].[Date-Added]	8	NULL allowed	

DateOfOfLastUpdate	[sdDatetime2Precision7].[DateOfLast-Update]	8	NULL allowed		
--------------------	---	---	-----------------	--	--

Indexes

Key	Name	Key Columns	Unique
PKP C	PK_Employees	Employeeld	True
	KK1_Employee	EmployeeFirstName, EmployeeLastName, BirthDate	True

Check Constraints

Name	On Column	Constraint
CK_Employee_Birthdate_1732263474	BirthDate	([BirthDate]<=CONVERT([date],sysdatetime(),(0)))

SQL Script

```
CREATE TABLE [HumanResources].[Employee]
[\texttt{EmployeeId}] \ [\texttt{sdSequenceInteger}] \ . \\ [\texttt{SurrogateKeyIntNumber}] \ \texttt{NOT} \ \texttt{NULL} \ \ \\ [\texttt{IDENTITY}(1, \ 1), \\ \texttt{IDENTITY}(1, \ 1), \\ \texttt{IDENTITY}(
[EmployeeLastName] [sdPersonNameString].[LastNameString] NOT NULL,
[EmployeeFirstName] [sdPersonNameString].[FirstNameString] NOT NULL,
[EmployeeTitle] [sdPersonTitleString].[ContactTitleString] NOT NULL,
[EmployeeTitleOfCourtesy] [sdPersonTitleString].[TitleOfCourtesyString] NOT NULL,
[BirthDate] [sdDateYYYYMMDD].[DateYYYYMMDD] NOT NULL,
[HireDate] [sdDateYYYYMMDD].[DateYYYYMMDD] NOT NULL,
[EmployeeAddress] [sdAddressString].[AddressString] NOT NULL,
[EmployeeCity] [sdCityStateCountryRegionString].[CityString] NULL,
[EmployeeRegion] [sdCityStateCountryRegionString].[RegionString] NULL,
[EmployeePostalCode] [sdPostalCodeString].[PostalCodeString] NULL,
[EmployeeCountry] [sdCityStateCountryRegionString].[CountryString] NOT NULL,
[EmployeePhoneNumber] [sdPhoneNumberString].[TelephoneNumberString] NOT NULL,
[EmployeeManagerId] [sdSequenceInteger].[SurrogateKeyIntNumber] NULL,
[DateAdded] [sdDatetime2Precision7].[DateAdded] NULL,
[DateOfOfLastUpdate] [sdDatetime2Precision7].[DateOfLastUpdate] NULL
) ON [PRIMARY]
GO
ALTER TABLE [HumanResources].[Employee] ADD CONSTRAINT [CK Employee -
Birthdate 1732263474] CHECK (([BirthDate] <= CONVERT ([date], sysdatetime(), (0))))
ALTER TABLE [HumanResources].[Employee] ADD CONSTRAINT [PK Employees] PRIMARY KEY
CLUSTERED ([EmployeeId]) ON [PRIMARY]
GO
ALTER TABLE [HumanResources].[Employee] ADD CONSTRAINT [KK1 Employee] UNIQUE
NONCLUSTERED ([EmployeeFirstName], [EmployeeLastName], [BirthDate]) ON [PRIMARY]
GΟ
```

Uses

[sdAddressString].[AddressString]
[sdCityStateCountryRegionString].[CityString]
[sdCityStateCountryRegionString].[CountryString]
[sdCityStateCountryRegionString].[RegionString]
[sdDatetime2Precision7].[DateAdded]
[sdDatetime2Precision7].[DateOfLastUpdate]
[sdDateYYYYMMDD].[DateYYYYMMDD]
[sdPersonNameString].[FirstNameString]
[sdPersonNameString].[LastNameString]
[sdPersonTitleString].[ContactTitleString]
[sdPersonTitleString].[TitleOfCourtesyString]
[sdPhoneNumberString].[TelephoneNumberString]
[sdPostalCodeString].[PostalCodeString]

Used By

HumanResources

[JsonOutput].[uvw_HumanResourcesEmployee]

[sdSequenceInteger]. [SurrogateKeyIntNumber]

■ [Production].[Category]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	0
Created	7:15:18 AM Tuesday, October 25, 2022
Last Modified	7:15:18 AM Tuesday, October 25, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullabilit y	Identity	Default
PK <mark>P</mark> G	Categoryld	[sdSequence- Integer].[SurrogateKeyInt- Number]	4	NOT NULL	1 - 1	
	CategoryName	[sdObjectName- String].[CategoryNameString]	30	NOT NULL		
	Description	[sdLongDescription- String].[Description]	400	NOT NULL		
	DateAdded	[sdDatetime2Precision7].[Date-Added]	8	NULL allowed		(sysdateti me())
	DateOfOfLastUpdate	[sdDatetime2Precision7].[Date-OfLastUpdate]	8	NULL allowed		(sysdateti me())

Indexes

Key	Name	Key Columns	Unique
PK	PK_Categories	Categoryld	True

SQL Script

```
CREATE TABLE [Production].[Category]

(
[CategoryId] [sdSequenceInteger].[SurrogateKeyIntNumber] NOT NULL IDENTITY(1, 1),

[CategoryName] [sdObjectNameString].[CategoryNameString] NOT NULL,

[Description] [sdLongDescriptionString].[Description] NOT NULL,

[DateAdded] [sdDatetime2Precision7].[DateAdded] NULL CONSTRAINT [DF_Template_-
Sysdatetime_1916779748] DEFAULT (sysdatetime()),

[DateOfOfLastUpdate] [sdDatetime2Precision7].[DateOfLastUpdate] NULL CONSTRAINT [DF_-
Template_Sysdatetime_928250937] DEFAULT (sysdatetime())

) ON [PRIMARY]

GO
```

```
ALTER TABLE [Production].[Category] ADD CONSTRAINT [PK_Categories] PRIMARY KEY
CLUSTERED ([CategoryId]) ON [PRIMARY]
GO
```

Uses

[sdDatetime2Precision7].[DateAdded]
[sdDatetime2Precision7].[DateOfLastUpdate]
[sdLongDescriptionString].[Description]
[sdObjectNameString].[CategoryNameString]
[sdSequenceInteger].[SurrogateKeyIntNumber]
Production

Used By

[JsonOutput].[uvw_ProductionCategory] [JsonOutput].[uvw_ProductionProduct]

[Production].[Product]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	0
Created	7:15:18 AM Tuesday, October 25, 2022
Last Modified	7:15:19 AM Tuesday, October 25, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullabilit y	Identity	Default
₽ <mark>%</mark> C	ProductId	[sdSequence- Integer].[SurrogateKeyInt- Number]	4	NOT NULL	1 - 1	
	ProductName	[sdObjectNameString].[Product-NameString]	30	NOT NULL		
	SupplierId	[sdSequence- Integer].[SurrogateKeyInt- Number]	4	NOT NULL		
	Categoryld	[sdSequence- Integer].[SurrogateKeyInt- Number]	4	NOT NULL		
	UnitPrice	[sdCurrencyNumber].[UnitPrice- Number]	8	NOT NULL		((0))
	Discontinued	[sdFlagCharString].[FlagBit-String]	1	NOT NULL		((0))
	DateAdded	[sdDatetime2Precision7].[Date-Added]	8	NULL allowed		
	DateOfOfLastUpdate	[sdDatetime2Precision7].[Date-OfLastUpdate]	8	NULL allowed		

Indexes

Key	Name	Key Columns	Unique
PK	PK_Products	ProductId	True

Check Constraints

Name	On Column	Constraint
CK_Template_Price_1213854566	UnitPrice	([UnitPrice]>=(0))

SQL Script

```
CREATE TABLE [Production].[Product]
[ProductId] [sdSequenceInteger].[SurrogateKeyIntNumber] NOT NULL IDENTITY(1, 1),
[ProductName] [sdObjectNameString].[ProductNameString] NOT NULL,
[SupplierId] [sdSequenceInteger].[SurrogateKeyIntNumber] NOT NULL,
[CategoryId] [sdSequenceInteger].[SurrogateKeyIntNumber] NOT NULL,
[UnitPrice] [sdCurrencyNumber].[UnitPriceNumber] NOT NULL CONSTRAINT [DF_Template_-
InitializeWithZero 2017248733] DEFAULT ((0)),
[Discontinued] [sdFlagCharString].[FlagBitString] NOT NULL CONSTRAINT [DF Template Flag-
False] DEFAULT ((0)),
[DateAdded] [sdDatetime2Precision7].[DateAdded] NULL,
[DateOfOfLastUpdate] [sdDatetime2Precision7].[DateOfLastUpdate] NULL
ON [PRIMARY]
ALTER TABLE [Production].[Product] ADD CONSTRAINT [CK Template Price 1213854566] CHECK
(([UnitPrice]>=(0)))
ALTER TABLE [Production].[Product] ADD CONSTRAINT [PK Products] PRIMARY KEY CLUSTERED
([ProductId]) ON [PRIMARY]
GO
```

Uses

[sdCurrencyNumber].[UnitPriceNumber]
[sdDatetime2Precision7].[DateAdded]
[sdDatetime2Precision7].[DateOfLastUpdate]
[sdFlagCharString].[FlagBitString]
[sdObjectNameString].[ProductNameString]
[sdSequenceInteger].[SurrogateKeyIntNumber]
Production

Used By

 $[JsonOutput].[uvw_ProductionProduct]$

■ [Production].[Supplier]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	0
Created	7:15:18 AM Tuesday, October 25, 2022
Last Modified	7:15:19 AM Tuesday, October 25, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity
PK	SupplierId	[sdSequenceInteger].[SurrogateKeyInt-Number]	4	NOT NULL	1 - 1
±.	SupplierCompanyName	[sdBusinessEntityName- String].[CompanyNameString]	80	NOT NULL	
	SupplierContactName	[sdPersonNameString].[LastNameFirst-NameString]	100	NOT NULL	
	SupplierContactTitle	[sdPersonTitleString].[ContactTitle-String]	60	NOT NULL	
	SupplierAddress	[sdAddressString].[AddressString]	120	NOT NULL	
	SupplierCity	[sdCityStateCountryRegionString].[CityString]	30	NOT NULL	
	SupplierRegion	[sdCityStateCountryRegion- String].[RegionString]	30	NULL allowed	
	SupplierPostalCode	[sdPostalCodeString].[PostalCode- String]	20	NULL allowed	
	SupplierCountry	[sdCityStateCountryRegion- String].[CountryString]	30	NOT NULL	
ф	SupplierPhoneNumber	[sdPhoneNumberString].[Telephone-NumberString]	48	NOT NULL	
	SupplierFaxNumber	[sdPhoneNumberString].[Telephone-NumberString]	48	NULL allowed	
	DateAdded	[sdDatetime2Precision7].[DateAdded]	8	NULL allowed	
	DateOfOfLastUpdate	[sdDatetime2Precision7].[DateOfLast-Update]	8	NULL allowed	

Indexes

Key Name Key Col	mns Unique
------------------	------------

PK <mark>P</mark> C	PK_Suppliers	SupplierId	True
	KK1_Supplier	SupplierCompanyName, SupplierPhone- Number	True

SQL Script

```
CREATE TABLE [Production].[Supplier]
[SupplierId] [sdSequenceInteger].[SurrogateKeyIntNumber] NOT NULL IDENTITY(1, 1),
[SupplierCompanyName] [sdBusinessEntityNameString].[CompanyNameString] NOT NULL,
[SupplierContactName] [sdPersonNameString].[LastNameFirstNameString] NOT NULL,
[SupplierContactTitle] [sdPersonTitleString].[ContactTitleString] NOT NULL,
[SupplierAddress] [sdAddressString].[AddressString] NOT NULL,
[SupplierCity] [sdCityStateCountryRegionString].[CityString] NOT NULL,
[SupplierRegion] [sdCityStateCountryRegionString].[RegionString] NULL,
[SupplierPostalCode] [sdPostalCodeString].[PostalCodeString] NULL,
[SupplierCountry] [sdCityStateCountryRegionString].[CountryString] NOT NULL,
[SupplierPhoneNumber] [sdPhoneNumberString].[TelephoneNumberString] NOT NULL,
[SupplierFaxNumber] [sdPhoneNumberString].[TelephoneNumberString] NULL,
[DateAdded] [sdDatetime2Precision7].[DateAdded] NULL,
[DateOfOfLastUpdate] [sdDatetime2Precision7].[DateOfLastUpdate] NULL
ON [PRIMARY]
GO
ALTER TABLE [Production].[Supplier] ADD CONSTRAINT [PK Suppliers] PRIMARY KEY CLUSTERED
([SupplierId]) ON [PRIMARY]
ALTER TABLE [Production].[Supplier] ADD CONSTRAINT [KK1 Supplier] UNIQUE NONCLUSTERED
([SupplierCompanyName], [SupplierPhoneNumber]) ON [PRIMARY]
```

Uses

[sdAddressString].[AddressString]
[sdBusinessEntityNameString].[CompanyNameString]
[sdCityStateCountryRegionString].[CityString]
[sdCityStateCountryRegionString].[CountryString]
[sdCityStateCountryRegionString].[RegionString]
[sdDatetime2Precision7].[DateAdded]
[sdDatetime2Precision7].[DateOfLastUpdate]
[sdPersonNameString].[LastNameFirstNameString]
[sdPersonTitleString].[ContactTitleString]
[sdPhoneNumberString].[TelephoneNumberString]
[sdPostalCodeString].[PostalCodeString]
[sdSequenceInteger].[SurrogateKeyIntNumber]

Used By

Production

 $[JsonOutput].[uvw_ProductionProduct]$

☐ [Sales].[Customer]

Properties

Property	Value	
Collation	SQL_Latin1_General_CP1_CI_AS	
Row Count (~)	0	
Created	7:15:18 AM Tuesday, October 25, 2022	
Last Modified	7:15:18 AM Tuesday, October 25, 2022	

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullabilit y	Identity
PK	CustomerId	[sdSequenceInteger].[SurrogateKey-IntNumber]	4	NOT NULL	1 - 1
.	CustomerCompanyName	[sdBusinessEntityName- String].[CompanyNameString]	80	NOT NULL	
.	CustomerContactName	[sdPersonNameString].[LastName- FirstNameString]	100	NOT NULL	
	CustomerContactTitle	[sdPersonTitleString].[TitleOfCourtesy-String]	10	NOT NULL	
	CustomerAddress	[sdAddressString].[AddressString]	120	NOT NULL	
	CustomerCity	[sdCityStateCountryRegion- String].[CityString]	30	NOT NULL	
	CustomerRegion	[sdCityStateCountryRegion- String].[RegionString]	30	NULL allowed	
	CustomerPostalCode	[sdPostalCodeString].[PostalCode- String]	20	NULL allowed	
	CustomerCountry	[sdCityStateCountryRegion- String].[CountryString]	30	NOT NULL	
.	CustomerPhoneNumber	[sdPhoneNumberString].[Telephone- NumberString]	48	NOT NULL	
	CustomerFaxNumber	[sdPhoneNumberString].[Telephone- NumberString]	48	NULL allowed	
	DateAdded	[sdDatetime2Precision7].[DateAdded]	8	NULL allowed	
	DateOfOfLastUpdate	[sdDatetime2Precision7].[DateOfLast- Update]	8	NULL allowed	

Indexes

Key Name Key Columns Unique	
-----------------------------------	--

PK P C	PK_Customers	CustomerId	True
	KK1_Customer	CustomerContactName, Customer-CompanyName, CustomerPhoneNumber	True

SQL Script

```
CREATE TABLE [Sales].[Customer]
[CustomerId] [sdSequenceInteger].[SurrogateKeyIntNumber] NOT NULL IDENTITY(1, 1),
[CustomerCompanyName] [sdBusinessEntityNameString].[CompanyNameString] NOT NULL,
[CustomerContactName] [sdPersonNameString].[LastNameFirstNameString] NOT NULL,
[CustomerContactTitle] [sdPersonTitleString].[TitleOfCourtesyString] NOT NULL,
[CustomerAddress] [sdAddressString].[AddressString] NOT NULL,
[CustomerCity] [sdCityStateCountryRegionString].[CityString] NOT NULL,
[CustomerRegion] [sdCityStateCountryRegionString].[RegionString] NULL,
[CustomerPostalCode] [sdPostalCodeString].[PostalCodeString] NULL,
[CustomerCountry] [sdCityStateCountryRegionString].[CountryString] NOT NULL,
[CustomerPhoneNumber] [sdPhoneNumberString].[TelephoneNumberString] NOT NULL,
[CustomerFaxNumber] [sdPhoneNumberString].[TelephoneNumberString] NULL,
[DateAdded] [sdDatetime2Precision7].[DateAdded] NULL,
[DateOfOfLastUpdate] [sdDatetime2Precision7].[DateOfLastUpdate] NULL
ON [PRIMARY]
GO
ALTER TABLE [Sales].[Customer] ADD CONSTRAINT [PK Customers] PRIMARY KEY CLUSTERED
([CustomerId]) ON [PRIMARY]
ALTER TABLE [Sales]. [Customer] ADD CONSTRAINT [KK1 Customer] UNIQUE NONCLUSTERED
([CustomerContactName], [CustomerCompanyName], [CustomerPhoneNumber]) ON [PRIMARY]
```

Uses

[sdAddressString].[AddressString]
[sdBusinessEntityNameString].[CompanyNameString]
[sdCityStateCountryRegionString].[CityString]
[sdCityStateCountryRegionString].[CountryString]
[sdCityStateCountryRegionString].[RegionString]
[sdDatetime2Precision7].[DateAdded]
[sdDatetime2Precision7].[DateOfLastUpdate]
[sdPersonNameString].[LastNameFirstNameString]
[sdPersonTitleString].[TitleOfCourtesyString]
[sdPhoneNumberString].[TelephoneNumberString]
[sdPostalCodeString].[PostalCodeString]
[sdSequenceInteger].[SurrogateKeyIntNumber]
Sales

Image: Sales in Sales in

Properties

Property	Value		
Collation	SQL_Latin1_General_CP1_CI_AS		
Row Count (~)	0		
Created	7:15:18 AM Tuesday, October 25, 2022		
Last Modified	7:15:19 AM Tuesday, October 25, 2022		

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullabilit y	Identity	Default
PK	Orderld	[sdSequenceInteger].[Surrogate- KeyIntNumber]	4	NOT NULL	1 - 1	
	CustomerId	[sdSequenceInteger].[Surrogate- KeyIntNumber]	4	NULL allowed		
	Employeeld	[sdSequenceInteger].[Surrogate- KeyIntNumber]	4	NOT NULL		
	ShipperId	[sdSequenceInteger].[Surrogate- KeyIntNumber]	4	NOT NULL		
	OrderDate	[sdDateYYYYMMDD].[Date- YYYYMMDD]	3	NOT NULL		
	RequiredDate	[sdDateYYYYMMDD].[Date- YYYYMMDD]	3	NOT NULL		
	ShipToDate	[sdDateYYYYMMDD].[Date- YYYYMMDD]	3	NULL allowed		
	Freight	[sdCurrencyNumber].[Freight- PriceNumber]	8	NOT NULL		((0))
	ShipToName	[sdPersonNameString].[Last- NameFirstNameString]	100	NOT NULL		
	ShipToAddress	[sdAddressString].[Address- String]	120	NOT NULL		
	ShipToCity	[sdCityStateCountryRegion- String].[CityString]	30	NOT NULL		
	ShipToRegion	[sdCityStateCountryRegion- String].[RegionString]	30	NULL allowed		
	ShipToPostalCode	[sdPostalCodeString].[Postal-CodeString]	20	NULL allowed		
	ShipToCountry	[sdCityStateCountryRegion- String].[CountryString]	30	NOT NULL		
	DateAdded	[sdDatetime2Precision7].[Date-Added]	8	NULL allowed		(sysdatetim e())
	DateOfLastUpdate	[sdDatetime2Precision7].[Date-	8	NULL		(sysdatetim

			OfLastUpdate]		allowed		e())	
--	--	--	---------------	--	---------	--	------	--

Indexes

Key	Name	Key Columns	Unique
PK	PK_Orders	Orderld	True

Check Constraints

Name	On Column	Constraint
CK_Template_Price_1075985686	Freight	([Freight]>=(0))

SQL Script

```
CREATE TABLE [Sales].[Order]
[OrderId] [sdSequenceInteger]. [SurrogateKeyIntNumber] NOT NULL IDENTITY(1, 1),
[CustomerId] [sdSequenceInteger].[SurrogateKeyIntNumber] NULL,
[EmployeeId] [sdSequenceInteger].[SurrogateKeyIntNumber] NOT NULL,
[ShipperId] [sdSequenceInteger].[SurrogateKeyIntNumber] NOT NULL,
[OrderDate] [sdDateYYYYMMDD].[DateYYYYMMDD] NOT NULL,
[RequiredDate] [sdDateYYYYMMDD].[DateYYYYMMDD] NOT NULL,
[ShipToDate] [sdDateYYYYMMDD].[DateYYYYMMDD] NULL,
[Freight] [sdCurrencyNumber].[FreightPriceNumber] NOT NULL CONSTRAINT [DF Template -
InitializeWithZero 66303404] DEFAULT ((0)),
[ShipToName] [sdPersonNameString].[LastNameFirstNameString] NOT NULL,
[ShipToAddress] [sdAddressString].[AddressString] NOT NULL,
[ShipToCity] [sdCityStateCountryRegionString].[CityString] NOT NULL,
[ShipToRegion] [sdCityStateCountryRegionString].[RegionString] NULL,
[ShipToPostalCode] [sdPostalCodeString].[PostalCodeString] NULL,
[ShipToCountry] [sdCityStateCountryRegionString].[CountryString] NOT NULL,
[DateAdded] [sdDatetime2Precision7].[DateAdded] NULL CONSTRAINT [DF_Template -
Sysdatetime 1431552511] DEFAULT (sysdatetime()),
[DateOfLastUpdate] [sdDatetime2Precision7].[DateOfLastUpdate] NULL CONSTRAINT [DF -
Template Sysdatetime 1460110691] DEFAULT (sysdatetime())
) ON [PRIMARY]
ALTER TABLE [Sales].[Order] ADD CONSTRAINT [CK Template Price 1075985686] CHECK
(([Freight]>=(0)))
ALTER TABLE [Sales].[Order] ADD CONSTRAINT [PK Orders] PRIMARY KEY CLUSTERED ([Order-
Id]) ON [PRIMARY]
GO
```

Uses

[sdAddressString].[AddressString] [sdCityStateCountryRegionString].[CityString] [sdCityStateCountryRegionString].[CountryString]
[sdCityStateCountryRegionString].[RegionString]
[sdCurrencyNumber].[FreightPriceNumber]
[sdDatetime2Precision7].[DateAdded]
[sdDatetime2Precision7].[DateOfLastUpdate]
[sdDateYYYYMMDD].[DateYYYYMMDD]
[sdPersonNameString].[LastNameFirstNameString]
[sdPostalCodeString].[PostalCodeString]
[sdSequenceInteger].[SurrogateKeyIntNumber]
Sales

■ [Sales].[OrderDetail]

Properties

Property	Value
Row Count (~)	0
Created	7:15:18 AM Tuesday, October 25, 2022
Last Modified	7:15:19 AM Tuesday, October 25, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK C	OrderDetailId	[sdSequenceInteger].[SurrogateKeyInt-Number]	4	NOT NULL	
	Orderld	[sdSequenceInteger].[SurrogateKeyInt-Number]	4	NOT NULL	
	ProductId	[sdSequenceInteger].[SurrogateKeyInt-Number]	4	NOT NULL	
	UnitPrice	[sdCurrencyNumber].[UnitPriceNumber]	8	NOT NULL	((0))
==	Quantity	[sdSmallintNumber].[QuantityNumber]	2	NOT NULL	((1))
	DiscountPercentage	[sdPercentageNumber].[Percentage- Number]	5	NOT NULL	((0))
	DateAdded	[sdDatetime2Precision7].[DateAdded]	8	NULL allowed	
	DateOfOfLastUpdate	[sdDatetime2Precision7].[DateOfLast-Update]	8	NULL allowed	

Indexes

Key	Name	Key Columns	Unique
PK2 C	PK_OrderDetails	OrderDetailld	True

Check Constraints

Name	On Column	Constraint
CK_OrderDetail_Quantity_115497334	Quantity	([Quantity]>=(1))
CK_Template_DiscountPercentage	DiscountPercentage	([DiscountPercentage]>=(0) AND [Discount- Percentage]<=(1))
CK_Template_Price_1834194749	UnitPrice	([UnitPrice]>=(0))

SQL Script

```
CREATE TABLE [Sales].[OrderDetail]
[OrderDetailId] [sdSequenceInteger].[SurrogateKeyIntNumber] NOT NULL,
[OrderId] [sdSequenceInteger].[SurrogateKeyIntNumber] NOT NULL,
[ProductId] [sdSequenceInteger].[SurrogateKeyIntNumber] NOT NULL,
[UnitPrice] [sdCurrencyNumber].[UnitPriceNumber] NOT NULL CONSTRAINT [DF Template -
InitializeWithZero 894295257] DEFAULT ((0)),
[Quantity] [sdSmallintNumber].[QuantityNumber] NOT NULL CONSTRAINT [DF Template -
InitializeWithOne 945294415] DEFAULT ((1)),
[DiscountPercentage] [sdPercentageNumber].[PercentageNumber] NOT NULL CONSTRAINT [DF -
Template_InitializeWithZero_1745356807] DEFAULT ((0)),
[DateAdded] [sdDatetime2Precision7].[DateAdded] NULL,
[DateOfOfLastUpdate] [sdDatetime2Precision7].[DateOfLastUpdate] NULL
) ON [PRIMARY]
GO
ALTER TABLE [Sales].[OrderDetail] ADD CONSTRAINT [CK OrderDetail Quantity 115497334]
CHECK (([Quantity]>=(1)))
ALTER TABLE [Sales].[OrderDetail] ADD CONSTRAINT [CK Template DiscountPercentage] CHECK
(([DiscountPercentage]>=(0) AND [DiscountPercentage] <=(1)))
ALTER TABLE [Sales].[OrderDetail] ADD CONSTRAINT [CK_Template_Price_1834194749] CHECK
(([UnitPrice]>=(0)))
ALTER TABLE [Sales].[OrderDetail] ADD CONSTRAINT [PK OrderDetails] PRIMARY KEY
CLUSTERED ([OrderDetailId]) ON [PRIMARY]
```

Uses

[sdCurrencyNumber].[UnitPriceNumber]
[sdDatetime2Precision7].[DateAdded]
[sdDatetime2Precision7].[DateOfLastUpdate]
[sdPercentageNumber].[PercentageNumber]
[sdSequenceInteger].[SurrogateKeyIntNumber]
[sdSmallintNumber].[QuantityNumber]
Sales

I [Sales].[Shipper]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	0
Created	7:15:18 AM Tuesday, October 25, 2022
Last Modified	7:15:19 AM Tuesday, October 25, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity
PK	ShipperId	[sdSequenceInteger].[SurrogateKeyInt-Number]	4	NOT NULL	1 - 1
#	ShipperCompanyName	[sdBusinessEntityName- String].[CompanyNameString]	80	NOT NULL	
#	PhoneNumber	[sdPhoneNumberString].[Telephone-NumberString]	48	NOT NULL	
	DateAdded	[sdDatetime2Precision7].[DateAdded]	8	NULL allowed	
	DateOfOfLastUpdate	[sdDatetime2Precision7].[DateOfLast-Update]	8	NULL allowed	

Indexes

Key	Name	Key Columns	Unique
PK	PK_Shippers	ShipperId	True
	KK1_Shipper	ShipperCompanyName, PhoneNumber	True

SQL Script

```
CREATE TABLE [Sales].[Shipper]

(
[ShipperId] [sdSequenceInteger].[SurrogateKeyIntNumber] NOT NULL IDENTITY(1, 1),
[ShipperCompanyName] [sdBusinessEntityNameString].[CompanyNameString] NOT NULL,
[PhoneNumber] [sdPhoneNumberString].[TelephoneNumberString] NOT NULL,
[DateAdded] [sdDatetime2Precision7].[DateAdded] NULL,
[DateOfOfLastUpdate] [sdDatetime2Precision7].[DateOfLastUpdate] NULL
) ON [PRIMARY]

GO

ALTER TABLE [Sales].[Shipper] ADD CONSTRAINT [PK_Shippers] PRIMARY KEY CLUSTERED
```

```
([ShipperId]) ON [PRIMARY]

GO

ALTER TABLE [Sales].[Shipper] ADD CONSTRAINT [KK1_Shipper] UNIQUE NONCLUSTERED

([ShipperCompanyName], [PhoneNumber]) ON [PRIMARY]

GO
```

Uses

[sdBusinessEntityNameString].[CompanyNameString]
[sdDatetime2Precision7].[DateAdded]
[sdDatetime2Precision7].[DateOfLastUpdate]
[sdPhoneNumberString].[TelephoneNumberString]
[sdSequenceInteger].[SurrogateKeyIntNumber]
Sales

☐ [SystemVersioned].[Employee]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Неар	True
Row Count (~)	0
Created	7:15:19 AM Tuesday, October 25, 2022
Last Modified	7:15:19 AM Tuesday, October 25, 2022
System Versioned	True
Remote Data Archive	Disabled
History Table	[Audit].[VersionedEmployeeHistory]
History Table Row Count (~)	0
History Table Created	7:15:18 AM Tuesday, October 25, 2022
History Table Last Modified	7:15:40 AM Tuesday, October 25, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK	Employeeld	int	4	NOT NULL	
	EmployeeFullName	[sdPersonNameString].[LastName-FirstNameString]	100	NOT NULL	
	Department	[sdBusinessEntityName- String].[DepartmentNameString]	80	NOT NULL	
=	Salary	[sdCurrencyNumber].[SalaryNumber]	8	NOT NULL	((0))
	Notes	[sdLongDescriptionString].[Note]	400	NOT NULL	
	UserAuthorizationId	[sdSequenceInteger].[SurrogateKeyInt-Number]	4	NULL allowed	
	DateAdded	[sdDatetime2Precision7].[DateAdded]	8	NULL allowed	(sysdateti me())
	DateOfLastUpdate	[sdDatetime2Precision7].[DateOfLast-Update]	8	NULL allowed	(sysdateti me())
	TimestampRowChanged	[sdDatetime2Precision7].[TimeStamp-Now]	8	NULL allowed	(sysdateti me())

Indexes

Key	Name	Key Columns	Unique
PK	PK_EmployeeVersioned	Employeeld	True

Check Constraints

Name	On Column	Constraint
CK_Template_Price_753318655	Salary	([Salary]>=(0))

SQL Script

```
CREATE TABLE [Audit].[VersionedEmployeeHistory]
[EmployeeId] [int] NOT NULL,
[EmployeeFullName] [sdPersonNameString].[LastNameFirstNameString] NOT NULL,
[Department] [sdBusinessEntityNameString].[DepartmentNameString] NOT NULL,
[Salary] [money] NOT NULL,
[Notes] [sdLongDescriptionString].[Note] NOT NULL,
[SysStart] [sdDateTime2].[SysStartTime] NOT NULL CONSTRAINT [DF Template SysStart-
Time 1502155184] DEFAULT (sysdatetime()),
[SysEnd] [sdDateTime2].[SysEndTime] NOT NULL CONSTRAINT [DF Template SysEnd-
Time 686707020] DEFAULT ('99991231 23:59:59'),
[UserAuthorizationId] [sdSequenceInteger].[SurrogateKeyIntNumber] NULL,
[DateAdded] [sdDatetime2Precision7].[DateAdded] NULL CONSTRAINT [DF Template -
Sysdatetime_1295056857] DEFAULT (sysdatetime()),
[DateOfLastUpdate] [sdDatetime2Precision7].[DateOfLastUpdate] NULL CONSTRAINT [DF -
Template_Sysdatetime_822043297] DEFAULT (sysdatetime()),
[TimestampRowChanged] [sdDatetime2Precision7].[TimeStampNow] NULL CONSTRAINT [DF_-
Template Sysdatetime] DEFAULT (sysdatetime())
) ON [PRIMARY]
CREATE CLUSTERED INDEX [ix VersionedEmployeeHistory] ON [Audit].[VersionedEmployee-
History] ([SysEnd], [SysStart]) ON [PRIMARY]
CREATE TABLE [SystemVersioned].[Employee]
[EmployeeId] [int] NOT NULL,
[EmployeeFullName] [sdPersonNameString].[LastNameFirstNameString] NOT NULL,
[Department] [sdBusinessEntityNameString].[DepartmentNameString] NOT NULL,
[Salary] [sdCurrencyNumber].[SalaryNumber] NOT NULL CONSTRAINT [DF Template Initialize-
WithZero 932077928] DEFAULT ((0)),
[Notes] [sdLongDescriptionString].[Note] NOT NULL,
[SysStart] [sdDateTime2].[SysStartTime] GENERATED ALWAYS AS ROW START HIDDEN NOT NULL
CONSTRAINT [DF Template SysStartTime] DEFAULT (sysdatetime()),
[SysEnd] [sdDateTime2].[SysEndTime] GENERATED ALWAYS AS ROW END HIDDEN NOT NULL
CONSTRAINT [DF_Template_SysEndTime] DEFAULT ('999991231 23:59:59'),
[UserAuthorizationId] [sdSequenceInteger].[SurrogateKeyIntNumber] NULL,
[DateAdded] [sdDatetime2Precision7].[DateAdded] NULL CONSTRAINT [DF Template -
Sysdatetime 1747570161] DEFAULT (sysdatetime()),
[DateOfLastUpdate] [sdDatetime2Precision7].[DateOfLastUpdate] NULL CONSTRAINT [DF -
Template Sysdatetime 1732904915] DEFAULT (sysdatetime()),
```

Project > 127.0.0.1,13001 > User databases > HumairaQadeer_MidtermProject2 > Tables > System-Versioned.Employee

```
[TimestampRowChanged] [sdDatetime2Precision7].[TimeStampNow] NULL CONSTRAINT [DF_-
Template_Sysdatetime] DEFAULT (sysdatetime()),

PERIOD FOR SYSTEM_TIME (SysStart, SysEnd),

CONSTRAINT [PK_EmployeeVersioned] PRIMARY KEY NONCLUSTERED ([EmployeeId]) ON [PRIMARY]
) ON [PRIMARY]

WITH
(
SYSTEM_VERSIONING = ON (HISTORY_TABLE = [Audit].[VersionedEmployeeHistory])
)
GO
ALTER TABLE [SystemVersioned].[Employee] ADD CONSTRAINT [CK_Template_Price_753318655]
CHECK (([Salary]>=(0)))
GO
```

Uses

[sdBusinessEntityNameString].[DepartmentNameString]
[sdCurrencyNumber].[SalaryNumber]
[sdDateTime2].[SysEndTime]
[sdDateTime2].[SysStartTime]
[sdDatetime2Precision7].[DateAdded]
[sdDatetime2Precision7].[DateOfLastUpdate]
[sdDatetime2Precision7].[TimeStampNow]
[sdLongDescriptionString].[Note]
[sdPersonNameString].[LastNameFirstNameString]
[sdSequenceInteger].[SurrogateKeyIntNumber]
SystemVersioned

[Triggered].[AuditTriggeredEmployeeHistory]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	0
Created	7:15:18 AM Tuesday, October 25, 2022
Last Modified	7:15:18 AM Tuesday, October 25, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullabil ity	Identity	Default
P	TriggeredEmployeeHistoryId	[sdSequence- Integer].[SurrogateKeyInt- Number]	4	NOT NULL	1 - 1	
	AuditTriggeredEmployeeHistory- Timestamp	[sd- Datetime2Precision7].[Tim eStampNow]	8	NULL allowed		(sysdat etime())
	TriggerOption	[sdFlagChar- String].[TriggerOption- String]	1	NULL allowed		('U')
<i>P</i>	Employeeld	[sdSequence- Integer].[SurrogateKeyInt- Number]	4	NOT NULL		
	EmployeeFullName	[sdPersonName- String].[LastNameFirst- NameString]	100	NOT NULL		
	Department	[sdBusinessEntityName- String].[DepartmentName- String]	80	NOT NULL		
	Salary	[sdCurrency- Number].[SalaryNumber]	8	NOT NULL		((0))
	Notes	[sdLongDescription- String].[Note]	400	NOT NULL		
	IsDeleted	varchar(20)	20	NULL allowed		('N')
	TransactionNumber	[sdSequence- Integer].[Sequence- Number]	4	NULL allowed		((1))
<i>P</i>	SysStart	[sdDateTime2].[SysEnd- Time]	8	NULL allowed		('99991 231 23:59:5 9')
<i>P</i>	SysEnd	[sdDateTime2].[SysEnd- Time]	8	NULL allowed		('99991 231 23:59:5

Project > 127.0.0.1,13001 > User databases > HumairaQadeer_MidtermProject2 > Tables > Triggered.Audit-TriggeredEmployeeHistory

				9')
TimestampRowChanged	[sd- Datetime2Precision7].[Tim eStampNow]	8	NULL allowed	(sysdat etime())
UserAuthorizationId	[sdSequence- Integer].[SurrogateKeyInt- Number]	4	NULL allowed	
DateAdded	[sd- Datetime2Precision7].[Dat eAdded]	8	NULL allowed	(sysdat etime())
DateOfLastUpdate	[sd- Datetime2Precision7].[Dat eOfLastUpdate]	8	NULL allowed	(sysdat etime())

Indexes

Key	Name	Key Columns	Unique
PK	PK_TriggeredEmployeeHistoryId	TriggeredEmployeeHistoryId	True
P	ix_Employees	Employeeld, SysStart, SysEnd, TriggeredEmployeeHistoryId	

Check Constraints

Name	On Column	Constraint
CK_AuditTriggeredEmployeeHistory_IsDeleted_1341377231	IsDeleted	([IsDeleted]='N' OR [IsDeleted]='Y')
CK_AuditTriggeredEmployeeHistory_TriggerOption_520133084	TriggerOption	([TriggerOption]='U' OR [Trigger- Option]='D' OR [TriggerOption]='I')
CK_Template_Price_1178601268	Salary	([Salary]>=(0))
CK_Template_SequencedNumber_1558401741	TransactionNumber	([Transaction- Number]>=(1))

SQL Script

```
CREATE TABLE [Triggered].[AuditTriggeredEmployeeHistory]

(
[TriggeredEmployeeHistoryId] [sdSequenceInteger].[SurrogateKeyIntNumber] NOT NULL
IDENTITY(1, 1),

[AuditTriggeredEmployeeHistoryTimestamp] [sdDatetime2Precision7].[TimeStampNow] NULL
CONSTRAINT [DF_Template_Sysdatetime_1246191770] DEFAULT (sysdatetime()),

[TriggerOption] [sdFlagCharString].[TriggerOptionString] NULL CONSTRAINT [DF_Template_-
InitializeWithUpdate_108304307] DEFAULT ('U'),

[EmployeeId] [sdSequenceInteger].[SurrogateKeyIntNumber] NOT NULL,

[EmployeeFullName] [sdPersonNameString].[LastNameFirstNameString] NOT NULL,

[Department] [sdBusinessEntityNameString].[DepartmentNameString] NOT NULL,

[Salary] [sdCurrencyNumber].[SalaryNumber] NOT NULL CONSTRAINT [DF_Template_Initialize-WithZero_1582339035] DEFAULT ((0)),

[Notes] [sdLongDescriptionString].[Note] NOT NULL,
```

```
[IsDeleted] [varchar] (20) COLLATE SQL Latin1 General CP1 CI AS NULL CONSTRAINT [DF -
Template FlagNo 1501748796] DEFAULT ('N'),
[TransactionNumber] [sdSequenceInteger].[SequenceNumber] NULL CONSTRAINT [DF User-
Authorization UserAuthorizationId 1855514405] DEFAULT ((1)),
[SysStart] [sdDateTime2].[SysEndTime] NULL CONSTRAINT [DF Template SysEnd-
Time 354689554] DEFAULT ('99991231 23:59:59'),
[SysEnd] [sdDateTime2].[SysEndTime] NULL CONSTRAINT [DF_Template_SysEndTime_1705658891]
DEFAULT ('99991231 23:59:59'),
[TimestampRowChanged] [sdDatetime2Precision7].[TimeStampNow] NULL CONSTRAINT [DF_-
Template Sysdatetime 86458906] DEFAULT (sysdatetime()),
[UserAuthorizationId] [sdSequenceInteger].[SurrogateKeyIntNumber] NULL,
[DateAdded] [sdDatetime2Precision7].[DateAdded] NULL CONSTRAINT [DF Template -
Sysdatetime 1097309054] DEFAULT (sysdatetime()),
[DateOfLastUpdate] [sdDatetime2Precision7].[DateOfLastUpdate] NULL CONSTRAINT [DF -
Template Sysdatetime 630142459] DEFAULT (sysdatetime())
) ON [PRIMARY]
ALTER TABLE [Triggered].[AuditTriggeredEmployeeHistory] ADD CONSTRAINT [CK Audit-
TriggeredEmployeeHistory IsDeleted 1341377231] CHECK (([IsDeleted]='N' OR [Is-
Deleted] = 'Y'))
ALTER TABLE [Triggered].[AuditTriggeredEmployeeHistory] ADD CONSTRAINT [CK Audit-
TriggeredEmployeeHistory TriggerOption 520133084] CHECK (([TriggerOption]="U" OR
[TriggerOption]='D' OR [TriggerOption]='I'))
ALTER TABLE [Triggered].[AuditTriggeredEmployeeHistory] ADD CONSTRAINT [CK Template -
Price 1178601268] CHECK (([Salary]>=(0)))
ALTER TABLE [Triggered].[AuditTriggeredEmployeeHistory] ADD CONSTRAINT [CK Template -
SequencedNumber 1558401741] CHECK (([TransactionNumber]>=(1)))
ALTER TABLE [Triggered].[AuditTriggeredEmployeeHistory] ADD CONSTRAINT [PK Triggered-
EmployeeHistoryId] PRIMARY KEY NONCLUSTERED ([TriggeredEmployeeHistoryId]) ON
[PRIMARY]
CREATE CLUSTERED INDEX [ix Employees] ON [Triggered].[AuditTriggeredEmployeeHistory]
([EmployeeId], [SysStart], [SysEnd], [TriggeredEmployeeHistoryId]) ON [PRIMARY]
```

Uses

```
[sdBusinessEntityNameString].[DepartmentNameString]
[sdCurrencyNumber].[SalaryNumber]
[sdDateTime2].[SysEndTime]
[sdDatetime2Precision7].[DateAdded]
[sdDatetime2Precision7].[DateOfLastUpdate]
[sdDatetime2Precision7].[TimeStampNow]
[sdFlagCharString].[TriggerOptionString]
[sdLongDescriptionString].[Note]
[sdPersonNameString].[LastNameFirstNameString]
[sdSequenceInteger].[SequenceNumber]
[sdSequenceInteger].[SurrogateKeyIntNumber]
Triggered
```

III [Triggered].[Employee]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	0
Created	7:15:18 AM Tuesday, October 25, 2022
Last Modified	7:15:19 AM Tuesday, October 25, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullabilit y	Default
P 199	EmployeeId	[sdSequenceInteger].[SurrogateKey-IntNumber]	4	NOT NULL	
	EmployeeFullName	[sdPersonNameString].[LastName- FirstNameString]	100	NOT NULL	
	Department	[sdBusinessEntityName- String].[DepartmentNameString]	80	NOT NULL	
	Salary	[dNumber].[sdCurrencyNumber]	8	NOT NULL	((0))
	Notes	[sdLongDescriptionString].[Note]	400	NOT NULL	
	IsDeleted	[sdFlagCharString].[DbActionString]	1	NULL allowed	('N')
	TransactionNumber	[sdSequenceInteger].[Sequence- Number]	4	NULL allowed	((1))
	TimestampRowChanged	[sdDatetime2Precision7].[TimeStamp-Now]	8	NULL allowed	(sysdateti me())
	UserAuthorizationId	[sdSequenceInteger].[SurrogateKey-IntNumber]	4	NULL allowed	
	DateAdded	[sdDatetime2Precision7].[Date-Added]	8	NULL allowed	(sysdateti me())
	DateOfLastUpdate	[sdDatetime2Precision7].[DateOfLast-Update]	8	NULL allowed	(sysdateti me())
	SysStart	[sdDateTime2].[SysStartTime]	8	NOT NULL	(sysdateti me())
	SysEnd	[sdDateTime2].[SysEndTime]	8	NOT NULL	('9999123 1 23:59:59')

Indexes

Key	Name	Key Columns	Unique
PK	PK_TriggeredEmployee	Employeeld	True
P	ix_Employees	Employeeld	

Check Constraints

Name	On Column	Constraint
CK_AuditTriggeredEmployeeHistory_IsDeleted_590542692	IsDeleted	([IsDeleted]='N' OR [Is- Deleted]='Y')
CK_Template_Price_753318655	Salary	([Salary]>=(0))
CK_Template_SequencedNumber_908140634	TransactionNumber	([Transaction- Number]>=(1))

SQL Script

```
CREATE TABLE [Triggered].[Employee]
[EmployeeId] [sdSequenceInteger].[SurrogateKeyIntNumber] NOT NULL,
[EmployeeFullName] [sdPersonNameString].[LastNameFirstNameString] NOT NULL,
[Department] [sdBusinessEntityNameString].[DepartmentNameString] NOT NULL,
[Salary] [dNumber].[sdCurrencyNumber] NOT NULL CONSTRAINT [DF Template InitializeWith-
Zero 932077928] DEFAULT ((0)),
[Notes] [sdLongDescriptionString].[Note] NOT NULL,
[IsDeleted] [sdFlagCharString].[DbActionString] NULL CONSTRAINT [DF Template Flag-
No 861298578] DEFAULT ('N'),
[TransactionNumber] [sdSequenceInteger].[SequenceNumber] NULL CONSTRAINT [DF Template -
InitializeWithOne] DEFAULT ((1)),
[TimestampRowChanged] [sdDatetime2Precision7].[TimeStampNow] NULL CONSTRAINT [DF -
Template_Sysdatetime] DEFAULT (sysdatetime()),
[UserAuthorizationId] [sdSequenceInteger].[SurrogateKeyIntNumber] NULL,
[DateAdded] [sdDatetime2Precision7].[DateAdded] NULL CONSTRAINT [DF Template -
Sysdatetime 1747570161] DEFAULT (sysdatetime()),
[DateOfLastUpdate] [sdDatetime2Precision7].[DateOfLastUpdate] NULL CONSTRAINT [DF -
Template_Sysdatetime_1732904915] DEFAULT (sysdatetime()),
[SysStart] [sdDateTime2].[SysStartTime] NOT NULL CONSTRAINT [DF Template SysStart-
Time 1540471834] DEFAULT (sysdatetime()),
[SysEnd] [sdDateTime2].[SysEndTime] NOT NULL CONSTRAINT [DF Template SysEnd-
Time 1939047298] DEFAULT ('99991231 23:59:59')
) ON [PRIMARY]
ALTER TABLE [Triggered].[Employee] ADD CONSTRAINT [CK AuditTriggeredEmployeeHistory Is-
Deleted 590542692] CHECK (([IsDeleted]='N' OR [IsDeleted]='Y'))
ALTER TABLE [Triggered].[Employee] ADD CONSTRAINT [CK Template Price 753318655] CHECK
(([Salary]>=(0)))
ALTER TABLE [Triggered].[Employee] ADD CONSTRAINT [CK Template Sequenced-
Number 908140634] CHECK (([TransactionNumber]>=(1)))
ALTER TABLE [Triggered].[Employee] ADD CONSTRAINT [PK TriggeredEmployee] PRIMARY KEY
```

```
NONCLUSTERED ([EmployeeId]) ON [PRIMARY]

GO

CREATE CLUSTERED INDEX [ix_Employees] ON [Triggered].[Employee] ([EmployeeId]) ON

[PRIMARY]

GO
```

Uses

[dNumber].[sdCurrencyNumber]
[sdBusinessEntityNameString].[DepartmentNameString]
[sdDateTime2].[SysEndTime]
[sdDateTime2].[SysStartTime]
[sdDatetime2Precision7].[DateAdded]
[sdDatetime2Precision7].[DateOfLastUpdate]
[sdDatetime2Precision7].[TimeStampNow]
[sdFlagCharString].[DbActionString]
[sdLongDescriptionString].[Note]
[sdPersonNameString].[LastNameFirstNameString]
[sdSequenceInteger].[SequenceNumber]
[sdSequenceInteger].[SurrogateKeyIntNumber]
Triggered

■ Views

Objects

Name

JsonOutput.uvw_HumanResourcesEmployee

JsonOutput.uvw_ProductionCategory

 ${\sf JsonOutput.uvw_ProductionProduct}$

[JsonOutput].[uvw_HumanResourcesEmployee]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	7:15:40 AM Tuesday, October 25, 2022
Last Modified	7:15:40 AM Tuesday, October 25, 2022

Columns

Name	Data Type	Max Length (Bytes)	Identity
EmployeeObjectId	[sdSequenceInteger].[SurrogateKeyIntNumber]	4	0 - 0
EmployeeLastName	[sdPersonNameString].[LastNameString]	50	
EmployeeFirstName	[sdPersonNameString].[FirstNameString]	50	
EmployeeTitle	[sdPersonTitleString].[ContactTitleString]	60	
EmployeeTitleOfCourtesy	[sdPersonTitleString].[TitleOfCourtesyString]	10	
BirthDate	[sdDateYYYYMMDD].[DateYYYYMMDD]	3	
HireDate	[sdDateYYYYMMDD].[DateYYYYMMDD]	3	
EmployeeAddress	[sdAddressString].[AddressString]	120	
EmployeeCity	[sdCityStateCountryRegionString].[CityString]	30	
EmployeeRegion	[sdCityStateCountryRegionString].[RegionString]	30	
EmployeePostalCode	[sdPostalCodeString].[PostalCodeString]	20	
EmployeeCountry	[sdCityStateCountryRegionString].[CountryString]	30	
EmployeePhoneNumber	[sdPhoneNumberString].[TelephoneNumberString]	48	
EmployeeManagerId	[sdSequenceInteger].[SurrogateKeyIntNumber]	4	

SQL Script

Author: StudentCSCI381Erwin

```
CREATE VIEW [JsonOutput].[uvw_HumanResourcesEmployee]([EmployeeObjectId],[EmployeeLast-
Name],[EmployeeFirstName],[EmployeeTitle],[EmployeeTitleOfCourtesy],[BirthDate],[Hire-
Date], [EmployeeAddress], [EmployeeCity], [EmployeeRegion], [EmployeePostalCode], [Employee-
Country], [EmployeePhoneNumber], [EmployeeManagerId])
SELECT E.[EmployeeId], E.[EmployeeLastName], E.[EmployeeFirstName], E.[Employee-
Title], E. [EmployeeTitleOfCourtesy], E. [BirthDate], E. [HireDate], E. [Employee-
Address], E. [EmployeeCity], E. [EmployeeRegion], E. [EmployeePostalCode], E. [Employee-
Country], E. [EmployeePhoneNumber], E. [EmployeeManagerId]
    FROM [HumanResources].[Employee] E
```

GO

Uses

JsonOutput

[HumanResources].[Employee]
[sdAddressString].[AddressString]
[sdCityStateCountryRegionString].[CityString]
[sdCityStateCountryRegionString].[CountryString]
[sdCityStateCountryRegionString].[RegionString]
[sdDateYYYYMMDD].[DateYYYYMMDD]
[sdPersonNameString].[FirstNameString]
[sdPersonNameString].[LastNameString]
[sdPersonTitleString].[ContactTitleString]
[sdPersonTitleString].[TitleOfCourtesyString]
[sdPhoneNumberString].[TelephoneNumberString]
[sdPostalCodeString].[PostalCodeString]
[sdSequenceInteger].[SurrogateKeyIntNumber]

[JsonOutput].[uvw_ProductionCategory]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	7:15:41 AM Tuesday, October 25, 2022
Last Modified	7:15:41 AM Tuesday, October 25, 2022

Columns

Name	Data Type	Max Length (Bytes)	Identity
CategoryObjectId	[sdSequenceInteger].[SurrogateKeyIntNumber]	4	0 - 0
CategoryName	[sdObjectNameString].[CategoryNameString]	30	
Description	[sdLongDescriptionString].[Description]	400	

SQL Script

```
CREATE VIEW [JsonOutput].[uvw_ProductionCategory]([CategoryObjectId],[Category-Name],[Description])

AS

SELECT [Production].[Category].[CategoryId],[Production].[Category].[Category-Name],[Production].[Category].[Description]

FROM [Production].[Category]

GO
```

Uses

[Production].[Category]
[sdLongDescriptionString].[Description]
[sdObjectNameString].[CategoryNameString]
[sdSequenceInteger].[SurrogateKeyIntNumber]
JsonOutput

[JsonOutput].[uvw_ProductionProduct]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	7:15:41 AM Tuesday, October 25, 2022
Last Modified	7:15:41 AM Tuesday, October 25, 2022

Columns

Name	Data Type	Max Length (Bytes)
ProductObjectId	[sdSequenceInteger].[SurrogateKeyIntNumber]	4
ProductName	[sdObjectNameString].[ProductNameString]	30
SupplierId	[sdSequenceInteger].[SurrogateKeyIntNumber]	4
Categoryld	[sdSequenceInteger].[SurrogateKeyIntNumber]	4
UnitPrice	[sdCurrencyNumber].[UnitPriceNumber]	8
Discontinued	[sdFlagCharString].[FlagBitString]	1
Production.CategoryObjectId	[sdSequenceInteger].[SurrogateKeyIntNumber]	4
Production.CategoryName	[sdObjectNameString].[CategoryNameString]	30
Production.Description	[sdLongDescriptionString].[Description]	400
Production.SupplierId	[sdSequenceInteger].[SurrogateKeyIntNumber]	4
Production.SupplierCompanyName	[sdBusinessEntityNameString].[CompanyName- String]	80
Production.SupplierContactName	[sdPersonNameString].[LastNameFirstNameString]	100
Production.SupplierPhoneNumber	[sdPhoneNumberString].[TelephoneNumberString]	48
Production.SupplierFaxNumber	[sdPhoneNumberString].[TelephoneNumberString]	48

SQL Script

```
CREATE VIEW [JsonOutput].[uvw_ProductionProduct] AS
--for json auto, include_null_values;

SELECT

P.ProductId AS ProductObjectId

, P.ProductName

, P.SupplierId

, P.CategoryId

, P.UnitPrice

, P.Discontinued
```

```
, C.CategoryId
, C.CategoryName
AS 'Production.CategoryName'
, C.Description
AS 'Production.Description'
, S.SupplierId
AS 'Production.SupplierId'
, S.SupplierCompanyName
AS 'Production.SupplierCompanyName'
, S.SupplierContactName
AS 'Production.SupplierContactName'
, S.SupplierPhoneNumber
AS 'Production.SupplierPhoneNumber'
, S.SupplierFaxNumber
AS 'Production.SupplierFaxNumber'
FROM Production.Product
AS P
INNER JOIN Production.Category AS C
ON C.CategoryId = P.CategoryId
INNER JOIN Production.Supplier AS S
ON S.SupplierId = P.SupplierId

GO
```

Uses

[Production].[Category]
[Production].[Product]
[Production].[Supplier]
[sdBusinessEntityNameString].[CompanyNameString]
[sdCurrencyNumber].[UnitPriceNumber]
[sdFlagCharString].[FlagBitString]
[sdLongDescriptionString].[Description]
[sdObjectNameString].[CategoryNameString]
[sdObjectNameString].[ProductNameString]
[sdPersonNameString].[LastNameFirstNameString]
[sdPhoneNumberString].[TelephoneNumberString]
[sdSequenceInteger].[SurrogateKeyIntNumber]
JsonOutput

iii User-Defined Data Types

Objects

Name
dBlob.dBlob
dBlob.sdBlobDefinition
dbo.dNumber
dDateTime.dDatetime
dDateTime.sdDatetime2Precision7
dNumber.sdCurrencyNumber
dNumber.sdPercentageNumber
dNumber.sdSequenceIntegerNumber
dNumber.sdSmallintNumber
dNumber.sdTinyintNumber
dString.dString
dString.sdBusinessEntityNameString
dString.sdCityStateCountryRegionString
dString.sdFlagCharString
dString.sdIdentificationString
dString.sdLongDescriptionString
dString.sdObjectNameString
dString.sdPersonNameString
dString.sdPersonTitleString
dString.sdPhoneNumberString
dString.sdShortDescriptionString
dString.sdYearString
sdAddressString.AddressString
sdAddressString.sdAddressString
sdBlobDefinition.BlobDefinition
sdBusinessEntityNameString.CompanyNameString
sdBusinessEntityNameString.DepartmentNameString
sdCityStateCountryRegionString.CityString
sdCityStateCountryRegionString.CountryString
sdCityStateCountryRegionString.RegionString
sdCityStateCountryRegionString.StateNameString
sdCurrencyNumber.FreightPriceNumber
sdCurrencyNumber.SalaryNumber
sdCurrencyNumber.UnitPriceNumber

sdDateTime2.sdDatetime2
sdDateTime2.SysEndTime
sdDateTime2.SysStartTime
sdDatetime2Precision7.DateAdded
sdDatetime2Precision7.DateOfLastUpdate
sdDatetime2Precision7.TimeStampNow
sdDateYYYYMMDD.DateYYYYMMDD
sdDateYYYYMMDD.sdDateYYYYMMDD
sdFlagCharString.DbActionString
sdFlagCharString.FlagBitString
sdFlagCharString.TriggerOptionString
sdldentificationString.Studentldentification
sdldentificationString.TextKeyVarchar10
sdLongDescriptionString.Description
sdLongDescriptionString.Note
sdObjectNameString.CategoryNameString
sdObjectNameString.ProductNameString
sdPercentageNumber.PercentageNumber
sdPersonNameString.FirstNameString
sdPersonNameString.FullNameString
sdPersonNameString.LastNameFirstNameString
sdPersonNameString.LastNameString
sdPersonTitleString.ContactTitleString
sdPersonTitleString.TitleOfCourtesyString
sdPhoneNumberString.FaxNumberString
sdPhoneNumberString.TelephoneNumberString
sdPostalCodeString.PostalCodeString
sdPostalCodeString.sdPostalCodeString
sdProjectString.IndividualProjectNameString
sdProjectString.sdProjectString
sdSequenceInteger.SequenceNumber
sdSequenceInteger.SurrogateKeyIntNumber
sdSequenceInteger.VersionNumber
sdShortDescriptionString.ShortDescription
sdSmallintNumber.QuantityNumber
sdTimeString.ClassTimeString
sdTimeString.sdTimeString
sdTinyintNumber.GradeNumber
sdTinyintNumber.ScoreNumber
sdYearString.YYYY

iii [dBlob].[dBlob]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	varbinary
Length	max

SQL Script

CREATE TYPE [dBlob].[dBlob] FROM varbinary (max) NULL
GO

Uses

dBlob

[dBlob].[sdBlobDefinition]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	varbinary
Length	max

SQL Script

CREATE TYPE [dBlob].[sdBlobDefinition] FROM varbinary (max) NULL
GO

Uses

dBlob

iii [dbo].[dNumber]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	int
Length	4

SQL Script

```
CREATE TYPE [dbo].[dNumber] FROM int NULL
GO
```

[dDateTime].[dDatetime]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	datetime
Length	8

SQL Script

CREATE TYPE [dDateTime].[dDatetime] FROM datetime NULL
GO

Uses

dDateTime

[dDateTime].[sdDatetime2Precision7]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	datetime2
Length	8

SQL Script

CREATE TYPE [dDateTime].[sdDatetime2Precision7] FROM datetime2 NULL GO

Uses

dDateTime

[dNumber].[sdCurrencyNumber]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	money
Length	8

SQL Script

CREATE TYPE [dNumber].[sdCurrencyNumber] FROM money NULL
GO

Uses

dNumber

Used By

[Triggered].[Employee]

[dNumber].[sdPercentageNumber]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	numeric
Length	5

SQL Script

CREATE TYPE [dNumber].[sdPercentageNumber] FROM numeric (4, 3) NULL
GO

Uses

[dNumber].[sdSequenceIntegerNumber]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	int
Length	4

SQL Script

CREATE TYPE [dNumber].[sdSequenceIntegerNumber] FROM int NULL
GO

Uses

[dNumber].[sdSmallintNumber]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	smallint
Length	2

SQL Script

CREATE TYPE [dNumber].[sdSmallintNumber] FROM smallint NULL
GO

Uses

[dNumber].[sdTinyintNumber]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	tinyint
Length	1

SQL Script

CREATE TYPE [dNumber].[sdTinyintNumber] FROM tinyint NULL
GO

Uses

iii [dString].[dString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	50

SQL Script

CREATE TYPE [dString].[dString] FROM nvarchar (50) NULL
GO

Uses

[dString].[sdBusinessEntityNameString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	40

SQL Script

CREATE TYPE [dString].[sdBusinessEntityNameString] FROM nvarchar (40) NULL GO

Uses

[dString].[sdCityStateCountryRegionString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	15

SQL Script

CREATE TYPE [dString].[sdCityStateCountryRegionString] FROM nvarchar (15) NULL GO

Uses

[dString].[sdFlagCharString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	char
Length	1

SQL Script

CREATE TYPE [dString].[sdFlagCharString] FROM char (1) NULL
GO

Uses

[dString].[sdldentificationString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	10

SQL Script

CREATE TYPE [dString].[sdIdentificationString] FROM nvarchar (10) NULL GO

Uses

[dString].[sdLongDescriptionString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	200

SQL Script

CREATE TYPE [dString].[sdLongDescriptionString] FROM nvarchar (200) NULL GO

Uses

ille [dString].[sdObjectNameString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	15

SQL Script

CREATE TYPE [dString].[sdObjectNameString] FROM nvarchar (15) NULL GO

Uses

[dString].[sdPersonNameString]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	nvarchar
Length	25

SQL Script

CREATE TYPE [dString].[sdPersonNameString] FROM nvarchar (25) NOT NULL
GO

Uses

[dString].[sdPersonTitleString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	30

SQL Script

CREATE TYPE [dString].[sdPersonTitleString] FROM nvarchar (30) NULL
GO

Uses

[dString].[sdPhoneNumberString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	24

SQL Script

CREATE TYPE [dString].[sdPhoneNumberString] FROM nvarchar (24) NULL
GO

Uses

[dString].[sdShortDescriptionString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	15

SQL Script

CREATE TYPE [dString].[sdShortDescriptionString] FROM nvarchar (15) NULL
GO

Uses

dString

[dString].[sdYearString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nchar
Length	4

SQL Script

CREATE TYPE [dString].[sdYearString] FROM nchar (4) NULL
GO

Uses

dString

🛅 [sdAddressString].[AddressString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	60

SQL Script

CREATE TYPE [sdAddressString].[AddressString] FROM nvarchar (60) NULL
GO

Uses

sdAddressString

Used By

[sdAddressString].[sdAddressString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	60

SQL Script

CREATE TYPE [sdAddressString].[sdAddressString] FROM nvarchar (60) NULL
GO

Uses

sdAddressString

ille [sdBlobDefinition].[BlobDefinition]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	varbinary
Length	max

SQL Script

CREATE TYPE [sdBlobDefinition].[BlobDefinition] FROM varbinary (max) NULL GO

Uses

sdBlobDefinition

[sdBusinessEntityNameString].[CompanyNameString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	40

SQL Script

CREATE TYPE [sdBusinessEntityNameString].[CompanyNameString] FROM nvarchar (40) NULL GO

Uses

sdBusinessEntityNameString

Used By

[Production].[Supplier]
[Sales].[Customer]
[Sales].[Shipper]
[JsonOutput].[uvw_ProductionProduct]

[sdBusinessEntityNameString].[DepartmentNameString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	40

SQL Script

CREATE TYPE [sdBusinessEntityNameString].[DepartmentNameString] FROM nvarchar (40) NULL GO

Uses

sdBusinessEntityNameString

Used By

[SystemVersioned].[Employee]
[Triggered].[AuditTriggeredEmployeeHistory]
[Triggered].[Employee]

[sdCityStateCountryRegionString].[CityString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	15

SQL Script

CREATE TYPE [sdCityStateCountryRegionString].[CityString] FROM nvarchar (15) NULL GO

Uses

sdCityStateCountryRegionString

Used By

[sdCityStateCountryRegionString].[CountryString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	15

SQL Script

CREATE TYPE [sdCityStateCountryRegionString].[CountryString] FROM nvarchar (15) NULL GO

Uses

sdCityStateCountryRegionString

Used By

[sdCityStateCountryRegionString].[RegionString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	15

SQL Script

CREATE TYPE [sdCityStateCountryRegionString].[RegionString] FROM nvarchar (15) NULL GO

Uses

sdCityStateCountryRegionString

Used By

[sdCityStateCountryRegionString].[StateNameString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	15

SQL Script

CREATE TYPE [sdCityStateCountryRegionString].[StateNameString] FROM nvarchar (15) NULL GO

Uses

sdCityStateCountryRegionString

[sdCurrencyNumber].[FreightPriceNumber]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	money
Length	8

SQL Script

CREATE TYPE [sdCurrencyNumber].[FreightPriceNumber] FROM money NOT NULL GO

Uses

sdCurrencyNumber

Used By

[Sales].[Order]

🗓 [sdCurrencyNumber].[SalaryNumber]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	money
Length	8

SQL Script

CREATE TYPE [sdCurrencyNumber].[SalaryNumber] FROM money NULL
GO

Uses

sdCurrencyNumber

Used By

[SystemVersioned].[Employee]

[Triggered].[AuditTriggeredEmployeeHistory]

[sdCurrencyNumber].[UnitPriceNumber]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	money
Length	8

SQL Script

CREATE TYPE [sdCurrencyNumber].[UnitPriceNumber] FROM money NOT NULL GO

Uses

sdCurrencyNumber

Used By

[Production].[Product]
[Sales].[OrderDetail]
[JsonOutput].[uvw_ProductionProduct]

[sdDateTime2].[sdDatetime2]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	datetime
Length	8

SQL Script

CREATE TYPE [sdDateTime2].[sdDatetime2] FROM datetime NULL
GO

Uses

sdDateTime2

[sdDateTime2].[SysEndTime]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	datetime2
Length	8

SQL Script

CREATE TYPE [sdDateTime2].[SysEndTime] FROM datetime2 NOT NULL
GO

Uses

sdDateTime2

Used By

[SystemVersioned].[Employee]
[Triggered].[AuditTriggeredEmployeeHistory]
[Triggered].[Employee]

iii [sdDateTime2].[SysStartTime]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	datetime2
Length	8

SQL Script

CREATE TYPE [sdDateTime2].[SysStartTime] FROM datetime2 NOT NULL
GO

Uses

sdDateTime2

Used By

[SystemVersioned].[Employee]

[sdDatetime2Precision7].[DateAdded]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	datetime2
Length	8

SQL Script

CREATE TYPE [sdDatetime2Precision7].[DateAdded] FROM datetime2 NULL GO

Uses

sdDatetime2Precision7

Used By

[dbo].[Nums]

[DbSecurity].[UserAuthorization]

[HumanResources].[Employee]

[Production].[Category]

[Production].[Product]

[Production].[Supplier]

[Sales].[Customer]

[Sales].[Order]

[Sales].[OrderDetail]

[Sales].[Shipper]

[SystemVersioned].[Employee]

[Triggered]. [Audit Triggered Employee History]

[sdDatetime2Precision7].[DateOfLastUpdate]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	datetime2
Length	8

SQL Script

CREATE TYPE [sdDatetime2Precision7].[DateOfLastUpdate] FROM datetime2 NULL GO

Uses

sdDatetime2Precision7

Used By

[dbo].[Nums]

[DbSecurity].[UserAuthorization]

[HumanResources].[Employee]

[Production].[Category]

[Production].[Product]

[Production].[Supplier]

[Sales].[Customer]

[Sales].[Order]

[Sales].[OrderDetail]

[Sales].[Shipper]

[SystemVersioned].[Employee]

[Triggered]. [Audit Triggered Employee History]

[sdDatetime2Precision7].[TimeStampNow]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	datetime
Length	8

SQL Script

CREATE TYPE [sdDatetime2Precision7].[TimeStampNow] FROM datetime NOT NULL GO

Uses

sdDatetime2Precision7

Used By

[SystemVersioned].[Employee]
[Triggered].[AuditTriggeredEmployeeHistory]
[Triggered].[Employee]

[sdDateYYYYMMDD].[DateYYYYMMDD]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	date
Length	3

SQL Script

CREATE TYPE [sdDateYYYYMMDD].[DateYYYYMMDD] FROM date NULL
GO

Uses

sdDateYYYYMMDD

Used By

[HumanResources].[Employee] [Sales].[Order] [JsonOutput].[uvw_HumanResourcesEmployee]

[sdDateYYYYMMDD].[sdDateYYYYMMDD]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	date
Length	3

SQL Script

CREATE TYPE [sdDateYYYYMMDD].[sdDateYYYYMMDD] FROM date NOT NULL
GO

Uses

sdDateYYYYMMDD

[sdFlagCharString].[DbActionString]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	char
Length	1

SQL Script

CREATE TYPE [sdFlagCharString].[DbActionString] FROM char (1) NOT NULL GO

Uses

sdFlagCharString

Used By

[sdFlagCharString].[FlagBitString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	char
Length	1

SQL Script

CREATE TYPE [sdFlagCharString].[FlagBitString] FROM char (1) NULL
GO

Uses

sdFlagCharString

Used By

[Production].[Product]
[JsonOutput].[uvw_ProductionProduct]

[sdFlagCharString].[TriggerOptionString]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	char
Length	1

SQL Script

CREATE TYPE [sdFlagCharString].[TriggerOptionString] FROM char (1) NOT NULL GO

Uses

sdFlagCharString

Used By

[Triggered].[AuditTriggeredEmployeeHistory]

[sdldentificationString].[StudentIdentification]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	10

SQL Script

Uses

sdldentificationString

[sdldentificationString].[TextKeyVarchar10]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	nvarchar
Length	10

SQL Script

CREATE TYPE [sdIdentificationString].[TextKeyVarchar10] FROM nvarchar (10) NOT NULL GO

Uses

sdldentificationString

[sdLongDescriptionString].[Description]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	200

SQL Script

CREATE TYPE [sdLongDescriptionString].[Description] FROM nvarchar (200) NULL GO

Uses

sdLongDescriptionString

Used By

[Production].[Category]
[JsonOutput].[uvw_ProductionCategory]
[JsonOutput].[uvw_ProductionProduct]

[sdLongDescriptionString].[Note]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	200

SQL Script

CREATE TYPE [sdLongDescriptionString].[Note] FROM nvarchar (200) NULL GO

Uses

sdLongDescriptionString

Used By

[SystemVersioned].[Employee]
[Triggered].[AuditTriggeredEmployeeHistory]
[Triggered].[Employee]

[sdObjectNameString].[CategoryNameString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	15

SQL Script

CREATE TYPE [sdObjectNameString].[CategoryNameString] FROM nvarchar (15) NULL GO

Uses

sdObjectNameString

Used By

[Production].[Category]
[JsonOutput].[uvw_ProductionCategory]
[JsonOutput].[uvw_ProductionProduct]

[sdObjectNameString].[ProductNameString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	15

SQL Script

CREATE TYPE [sdObjectNameString].[ProductNameString] FROM nvarchar (15) NULL GO

Uses

sdObjectNameString

Used By

[Production].[Product]
[JsonOutput].[uvw_ProductionProduct]

[sdPercentageNumber].[PercentageNumber]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	numeric
Length	5

SQL Script

CREATE TYPE [sdPercentageNumber].[PercentageNumber] FROM numeric (4, 3) NULL GO

Uses

sdPercentageNumber

Used By

[Sales].[OrderDetail]

[sdPersonNameString].[FirstNameString]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	nvarchar
Length	25

SQL Script

CREATE TYPE [sdPersonNameString].[FirstNameString] FROM nvarchar (25) NOT NULL GO

Uses

sdPersonNameString

Used By

[DbSecurity].[UserAuthorization] [HumanResources].[Employee] [JsonOutput].[uvw_HumanResourcesEmployee]

[sdPersonNameString].[FullNameString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	50

SQL Script

CREATE TYPE [sdPersonNameString].[FullNameString] FROM nvarchar (50) NULL GO

Uses

sdPersonNameString

[sdPersonNameString].[LastNameFirstNameString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	50

SQL Script

CREATE TYPE [sdPersonNameString].[LastNameFirstNameString] FROM nvarchar (50) NULL GO

Uses

sdPersonNameString

Used By

[Production].[Supplier]

[Sales].[Customer]

[Sales].[Order]

[SystemVersioned].[Employee]

[Triggered].[AuditTriggeredEmployeeHistory]

[Triggered].[Employee]

[JsonOutput].[uvw_ProductionProduct]

illigate [sdPersonNameString].[LastNameString]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	nvarchar
Length	25

SQL Script

CREATE TYPE [sdPersonNameString].[LastNameString] FROM nvarchar (25) NOT NULL
GO

Uses

sdPersonNameString

Used By

[DbSecurity].[UserAuthorization] [HumanResources].[Employee] [JsonOutput].[uvw_HumanResourcesEmployee]

[sdPersonTitleString].[ContactTitleString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	30

SQL Script

CREATE TYPE [sdPersonTitleString].[ContactTitleString] FROM nvarchar (30) NULL GO

Uses

sdPersonTitleString

Used By

[HumanResources].[Employee]
[Production].[Supplier]
[JsonOutput].[uvw_HumanResourcesEmployee]

[sdPersonTitleString].[TitleOfCourtesyString]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	nvarchar
Length	5

SQL Script

CREATE TYPE [sdPersonTitleString].[TitleOfCourtesyString] FROM nvarchar (5) NOT NULL GO

Uses

sdPersonTitleString

Used By

[HumanResources].[Employee]
[Sales].[Customer]
[JsonOutput].[uvw_HumanResourcesEmployee]

[sdPhoneNumberString].[FaxNumberString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	24

SQL Script

CREATE TYPE [sdPhoneNumberString].[FaxNumberString] FROM nvarchar (24) NULL GO

Uses

sdPhoneNumberString

[sdPhoneNumberString].[TelephoneNumberString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	24

SQL Script

CREATE TYPE [sdPhoneNumberString].[TelephoneNumberString] FROM nvarchar (24) NULL GO

Uses

sdPhoneNumberString

Used By

[HumanResources].[Employee]
[Production].[Supplier]
[Sales].[Customer]
[Sales].[Shipper]
[JsonOutput].[uvw_HumanResourcesEmployee]
[JsonOutput].[uvw_ProductionProduct]

[sdPostalCodeString].[PostalCodeString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	10

SQL Script

CREATE TYPE [sdPostalCodeString].[PostalCodeString] FROM nvarchar (10) NULL GO

Uses

sdPostalCodeString

Used By

[HumanResources].[Employee]
[Production].[Supplier]
[Sales].[Customer]
[Sales].[Order]
[JsonOutput].[uvw_HumanResourcesEmployee]

[sdPostalCodeString].[sdPostalCodeString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	50

SQL Script

CREATE TYPE [sdPostalCodeString].[sdPostalCodeString] FROM nvarchar (50) NULL GO

Uses

sdPostalCodeString

🛅 [sdProjectString].[IndividualProjectNameString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	60

SQL Script

CREATE TYPE [sdProjectString].[IndividualProjectNameString] FROM nvarchar (60) NULL GO

Uses

sdProjectString

Used By

[DbSecurity].[UserAuthorization]

[sdProjectString].[sdProjectString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	50

SQL Script

CREATE TYPE [sdProjectString].[sdProjectString] FROM nvarchar (50) NULL
GO

Uses

sdProjectString

[sdSequenceInteger].[SequenceNumber]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	int
Length	4

SQL Script

CREATE TYPE [sdSequenceInteger].[SequenceNumber] FROM int NOT NULL
GO

Uses

sdSequenceInteger

Used By

[Triggered].[AuditTriggeredEmployeeHistory]

[Triggered].[Employee]

🛅 [sdSequenceInteger].[SurrogateKeyIntNumber]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	int
Length	4

SQL Script

CREATE TYPE [sdSequenceInteger].[SurrogateKeyIntNumber] FROM int NULL GO

Uses

sdSequenceInteger

Used By

[dbo].[Nums]

[DbSecurity].[UserAuthorization]

[HumanResources].[Employee]

[Production].[Category]

[Production].[Product]

[Production].[Supplier]

[Sales].[Customer]

[Sales].[Order]

[Sales].[OrderDetail]

[Sales].[Shipper]

[SystemVersioned].[Employee]

[Triggered].[AuditTriggeredEmployeeHistory]

[Triggered].[Employee]

 $[JsonOutput]. [uvw_HumanResourcesEmployee] \\$

[JsonOutput].[uvw ProductionCategory]

 $[JsonOutput].[uvw_ProductionProduct]$

[sdSequenceInteger].[VersionNumber]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	int
Length	4

SQL Script

CREATE TYPE [sdSequenceInteger].[VersionNumber] FROM int NULL
GO

Uses

sdSequenceInteger

[sdShortDescriptionString].[ShortDescription]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	15

SQL Script

CREATE TYPE [sdShortDescriptionString].[ShortDescription] FROM nvarchar (15) NULL GO

Uses

sdShortDescriptionString

Used By

[DbSecurity].[UserAuthorization]

[sdSmallintNumber].[QuantityNumber]

Properties

Property	Value	
Nullability	NULL allowed	
Base Type Name	smallint	
Length	2	

SQL Script

CREATE TYPE [sdSmallintNumber].[QuantityNumber] FROM smallint NULL
GO

Uses

sdSmallintNumber

Used By

[Sales].[OrderDetail]

[sdTimeString].[ClassTimeString]

Properties

Property	Value	
Nullability	NULL allowed	
Base Type Name	nchar	
Length	5	

SQL Script

CREATE TYPE [sdTimeString].[ClassTimeString] FROM nchar (5) NULL
GO

Uses

sdTimeString

Used By

[DbSecurity].[UserAuthorization]

[sdTimeString].[sdTimeString]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nchar
Length	5

SQL Script

CREATE TYPE [sdTimeString].[sdTimeString] FROM nchar (5) NULL
GO

Uses

sdTimeString

[sdTinyintNumber].[GradeNumber]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	tinyint
Length	1

SQL Script

CREATE TYPE [sdTinyintNumber].[GradeNumber] FROM tinyint NULL
GO

Uses

sdTinyintNumber

[sdTinyintNumber].[ScoreNumber]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	tinyint
Length	1

SQL Script

CREATE TYPE [sdTinyintNumber].[ScoreNumber] FROM tinyint NOT NULL GO

Uses

sdTinyintNumber

[sdYearString].[YYYY]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	nchar
Length	4

SQL Script

CREATE TYPE [sdYearString].[YYYY] FROM nchar (4) NOT NULL
GO

Uses

sdYearString



Objects

Name	
lbo	
guest	



Properties

Property	Value
Туре	SqlUser
Login Name	sa
Default Schema	dbo

Database Level Permissions

Туре	Action
CONNECT	Grant

SQL Script

GO



Properties

Property	Value
Туре	SqlUser
Default Schema	guest

SQL Script

GO			

La Database Roles

Objects

Name
db_accessadmin
db_backupoperator
db_datareader
db_datawriter
db_ddladmin
db_denydatareader
db_denydatawriter
db_owner
db_securityadmin
public

♣ db_accessadmin

Properties

Property	Value
Owner	dbo

db_backupoperator

Properties

Property	Value
Owner	dbo

♣ db_datareader

Properties

Property	Value
Owner	dbo

db_datawriter

Properties

Property	Value
Owner	dbo

db_ddladmin

Properties

Property	Value
Owner	dbo

db_denydatareader

Properties

Property	Value
Owner	dbo

db_denydatawriter

Properties

Property	Value
Owner	dbo

db_owner

Properties

Property	Value
Owner	dbo

db_securityadmin

Properties

Property	Value
Owner	dbo

public public

Properties

Property	Value
Owner	dbo

△ Schemas

Objects

Name
Audit
dBlob
DbSecurity
dDateTime
dNumber
dString
Example
HumanResources
JsonOutput
Production
RelationalCalculii
RelationalCrossJoin
Sales
sdAddressString
sdBlobDefinition
sdBusinessEntityNameString
sdCategoryString
sdCityStateCountryRegionString
sdCurrencyNumber
sdDateTime2
sdDatetime2Precision7
sdDateYYYYMMDD
sdFlagCharString
sdldentificationString
sdIntegerNumber
sdLongDescriptionString
sdNameString
sdObjectNameString
sdPercentageNumber
sdPersonNameString
sdPersonTitleString
sdPhoneNumberString
sdPostalCodeString
sdProductString

sdProjectString
sdSequenceInteger
sdShortDescriptionString
sdSmallInt
sdSmallintNumber
sdTimeString
sdTinyintNumber
sdYearString
SystemVersioned
Temporal
Triggered
Udt
Utils



Properties

Property	Value
Owner	dbo

SQL Script

CREATE SCHEMA [Audit]
AUTHORIZATION [dbo]
GO

Å dBlob

Properties

Property	Value
Owner	dbo

SQL Script

CREATE SCHEMA [dBlob]
AUTHORIZATION [dbo]
GO

Used By

[dBlob].[dBlob] [dBlob].[sdBlobDefinition] Project > 127.0.0.1,13001 > User databases > HumairaQadeer_MidtermProject2 > Security > Schemas > Db-Security



Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [DbSecurity]
AUTHORIZATION [dbo]
GO
```

Used By

[DbSecurity].[UserAuthorization]

Project > 127.0.0.1,13001 > User databases > HumairaQadeer_MidtermProject2 > Security > Schemas > dDate-Time

△ dDateTime

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [dDateTime]
AUTHORIZATION [dbo]
GO
```

Used By

[dDateTime].[dDatetime]
[dDateTime].[sdDatetime2Precision7]

△ dNumber

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [dNumber]
AUTHORIZATION [dbo]
GO
```

Used By

[dNumber].[sdCurrencyNumber]
[dNumber].[sdPercentageNumber]
[dNumber].[sdSequenceIntegerNumber]
[dNumber].[sdSmallintNumber]
[dNumber].[sdTinyintNumber]

△ dString

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [dString]
AUTHORIZATION [dbo]
GO
```

Used By

[dString].[dString]

[dString].[sdBusinessEntityNameString]

[dString].[sdCityStateCountryRegionString]

[dString].[sdFlagCharString]

[dString].[sdldentificationString]

[dString].[sdLongDescriptionString]

[dString].[sdObjectNameString]

[dString].[sdPersonNameString]

[dString].[sdPersonTitleString]

[dString].[sdPhoneNumberString]

[dString].[sdShortDescriptionString]

[dString].[sdYearString]

△ Example

Properties

Property	Value
Owner	dbo

SQL Script

CREATE SCHEMA [Example]
AUTHORIZATION [dbo]
GO

Project > 127.0.0.1,13001 > User databases > HumairaQadeer_MidtermProject2 > Security > Schemas > Human-Resources

△ HumanResources

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [HumanResources]
AUTHORIZATION [dbo]
GO
```

Used By

[HumanResources].[Employee]

♣ JsonOutput

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [JsonOutput]
AUTHORIZATION [dbo]
GO
```

Used By

[JsonOutput].[uvw_HumanResourcesEmployee] [JsonOutput].[uvw_ProductionCategory] [JsonOutput].[uvw_ProductionProduct]



Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [Production]
AUTHORIZATION [dbo]
GO
```

Used By

[Production].[Category] [Production].[Product] [Production].[Supplier]



Properties

Property	Value
Owner	dbo

SQL Script

CREATE SCHEMA [RelationalCalculii]
AUTHORIZATION [dbo]
GO

⚠ RelationalCrossJoin

Properties

Property	Value
Owner	dbo

SQL Script

CREATE SCHEMA [RelationalCrossJoin]
AUTHORIZATION [dbo]
GO

△ Sales

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [Sales]
AUTHORIZATION [dbo]
GO
```

Used By

[Sales].[Customer] [Sales].[Order] [Sales].[OrderDetail] [Sales].[Shipper]

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdAddressString]
AUTHORIZATION [dbo]
GO
```

Used By

[sdAddressString].[AddressString] [sdAddressString].[sdAddressString] Project > 127.0.0.1,13001 > User databases > HumairaQadeer_MidtermProject2 > Security > Schemas > sdBlob-Definition

△ sdBlobDefinition

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdBlobDefinition]
AUTHORIZATION [dbo]
GO
```

Used By

[sdBlobDefinition].[BlobDefinition]

△ sdBusinessEntityNameString

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdBusinessEntityNameString]
AUTHORIZATION [dbo]
GO
```

Used By

[sdBusinessEntityNameString].[CompanyNameString] [sdBusinessEntityNameString].[DepartmentNameString]

△ sdCategoryString

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdCategoryString]
AUTHORIZATION [dbo]
GO
```

△ sdCityStateCountryRegionString

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdCityStateCountryRegionString]
AUTHORIZATION [dbo]
GO
```

Used By

[sdCityStateCountryRegionString].[CityString]
[sdCityStateCountryRegionString].[CountryString]
[sdCityStateCountryRegionString].[RegionString]
[sdCityStateCountryRegionString].[StateNameString]

∧ sdCurrencyNumber

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdCurrencyNumber]
AUTHORIZATION [dbo]
GO
```

Used By

[sdCurrencyNumber].[FreightPriceNumber] [sdCurrencyNumber].[SalaryNumber] [sdCurrencyNumber].[UnitPriceNumber]

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdDateTime2]
AUTHORIZATION [dbo]
GO
```

Used By

[sdDateTime2].[sdDatetime2] [sdDateTime2].[SysEndTime] [sdDateTime2].[SysStartTime]

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdDatetime2Precision7]
AUTHORIZATION [dbo]
GO
```

Used By

[sdDatetime2Precision7].[DateAdded] [sdDatetime2Precision7].[DateOfLastUpdate] [sdDatetime2Precision7].[TimeStampNow]

△ sdDateYYYYMMDD

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdDateYYYYMMDD]
AUTHORIZATION [dbo]
GO
```

Used By

[sdDateYYYYMMDD].[DateYYYYMMDD] [sdDateYYYYMMDD].[sdDateYYYYMMDD]

△ sdFlagCharString

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdFlagCharString]
AUTHORIZATION [dbo]
GO
```

Used By

[sdFlagCharString].[DbActionString] [sdFlagCharString].[FlagBitString] [sdFlagCharString].[TriggerOptionString]

△ sdldentificationString

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdIdentificationString]
AUTHORIZATION [dbo]
GO
```

Used By

[sdldentificationString].[StudentIdentification] [sdldentificationString].[TextKeyVarchar10]

Project > 127.0.0.1,13001 > User databases > HumairaQadeer_MidtermProject2 > Security > Schemas > sdInteger-Number



Properties

Property	Value
Owner	dbo

SQL Script

CREATE SCHEMA [sdIntegerNumber]
AUTHORIZATION [dbo]
GO

△ sdLongDescriptionString

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdLongDescriptionString]
AUTHORIZATION [dbo]
GO
```

Used By

[sdLongDescriptionString].[Description] [sdLongDescriptionString].[Note]

Project > 127.0.0.1,13001 > User databases > HumairaQadeer_MidtermProject2 > Security > Schemas > sdName-String

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdNameString]
AUTHORIZATION [dbo]
GO
```


Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdObjectNameString]
AUTHORIZATION [dbo]
GO
```

Used By

[sdObjectNameString].[CategoryNameString] [sdObjectNameString].[ProductNameString]

△ sdPercentageNumber

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdPercentageNumber]
AUTHORIZATION [dbo]
GO
```

Used By

[sdPercentageNumber].[PercentageNumber]

△ sdPersonNameString

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdPersonNameString]
AUTHORIZATION [dbo]
GO
```

Used By

[sdPersonNameString].[FirstNameString]
[sdPersonNameString].[FullNameString]
[sdPersonNameString].[LastNameFirstNameString]
[sdPersonNameString].[LastNameString]

Project > 127.0.0.1,13001 > User databases > HumairaQadeer_MidtermProject2 > Security > Schemas > sdPerson-TitleString

△ sdPersonTitleString

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdPersonTitleString]
AUTHORIZATION [dbo]
GO
```

Used By

[sdPersonTitleString].[ContactTitleString] [sdPersonTitleString].[TitleOfCourtesyString] Project > 127.0.0.1,13001 > User databases > HumairaQadeer_MidtermProject2 > Security > Schemas > sdPhone-NumberString

△ sdPhoneNumberString

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdPhoneNumberString]
AUTHORIZATION [dbo]
GO
```

Used By

[sdPhoneNumberString].[FaxNumberString] [sdPhoneNumberString].[TelephoneNumberString] Project > 127.0.0.1,13001 > User databases > HumairaQadeer_MidtermProject2 > Security > Schemas > sdPostal-CodeString

△ sdPostalCodeString

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdPostalCodeString]
AUTHORIZATION [dbo]
GO
```

Used By

[sdPostalCodeString].[PostalCodeString] [sdPostalCodeString].[sdPostalCodeString]

△ sdProductString

Properties

Property	Value
Owner	dbo

SQL Script

CREATE SCHEMA [sdProductString]
AUTHORIZATION [dbo]
GO

Project > 127.0.0.1,13001 > User databases > HumairaQadeer_MidtermProject2 > Security > Schemas > sdProject-String

△ sdProjectString

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdProjectString]
AUTHORIZATION [dbo]
GO
```

Used By

[sdProjectString].[IndividualProjectNameString] [sdProjectString].[sdProjectString]

△ sdSequenceInteger

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdSequenceInteger]
AUTHORIZATION [dbo]
GO
```

Used By

[sdSequenceInteger].[SequenceNumber] [sdSequenceInteger].[SurrogateKeyIntNumber] [sdSequenceInteger].[VersionNumber]

△ sdShortDescriptionString

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdShortDescriptionString]
AUTHORIZATION [dbo]
GO
```

Used By

[sdShortDescriptionString].[ShortDescription]

Project > 127.0.0.1,13001 > User databases > HumairaQadeer_MidtermProject2 > Security > Schemas > sdSmall-Int



Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdSmallInt]
AUTHORIZATION [dbo]
GO
```

△ sdSmallintNumber

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdSmallintNumber]
AUTHORIZATION [dbo]
GO
```

Used By

[sdSmallintNumber].[QuantityNumber]

Project > 127.0.0.1,13001 > User databases > HumairaQadeer_MidtermProject2 > Security > Schemas > sdTime-String

△ sdTimeString

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdTimeString]
AUTHORIZATION [dbo]
GO
```

Used By

[sdTimeString].[ClassTimeString]
[sdTimeString].[sdTimeString]

Project > 127.0.0.1,13001 > User databases > HumairaQadeer_MidtermProject2 > Security > Schemas > sdTinyint-Number

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdTinyintNumber]
AUTHORIZATION [dbo]
GO
```

Used By

[sdTinyintNumber].[GradeNumber] [sdTinyintNumber].[ScoreNumber]

Project > 127.0.0.1,13001 > User databases > HumairaQadeer_MidtermProject2 > Security > Schemas > sdYear-String

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [sdYearString]
AUTHORIZATION [dbo]
GO
```

Used By

[sdYearString].[YYYY]

Project > 127.0.0.1,13001 > User databases > HumairaQadeer_MidtermProject2 > Security > Schemas > System-Versioned

△ SystemVersioned

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [SystemVersioned]
AUTHORIZATION [dbo]
GO
```

Used By

[SystemVersioned].[Employee]

△ Temporal

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [Temporal]
AUTHORIZATION [dbo]
GO
```

⚠ Triggered

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [Triggered]
AUTHORIZATION [dbo]
GO
```

Used By

[Triggered].[AuditTriggeredEmployeeHistory]

[Triggered].[Employee]



Properties

Property	Value
Owner	dbo

SQL Script

CREATE SCHEMA [Udt]
AUTHORIZATION [dbo]
GO

△ Utils

Properties

Property	Value
Owner	dbo

SQL Script

CREATE SCHEMA [Utils]
AUTHORIZATION [dbo]
GO