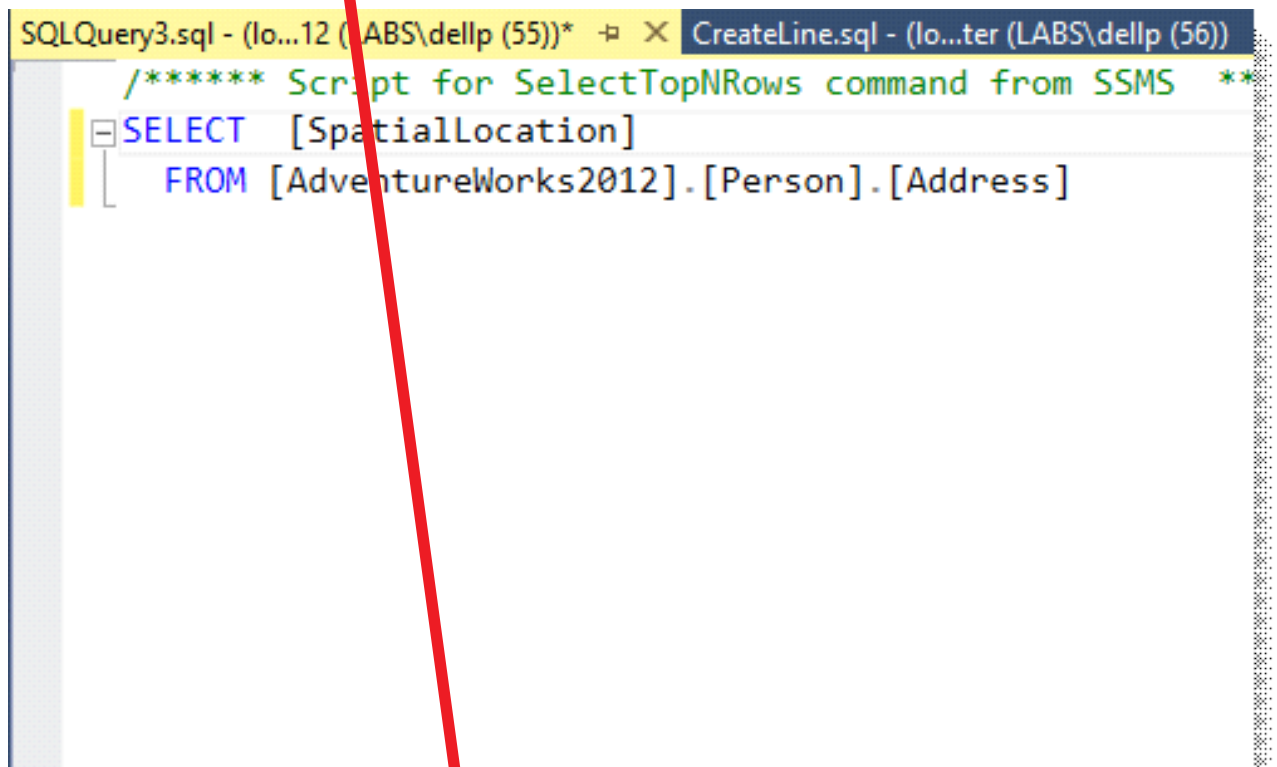
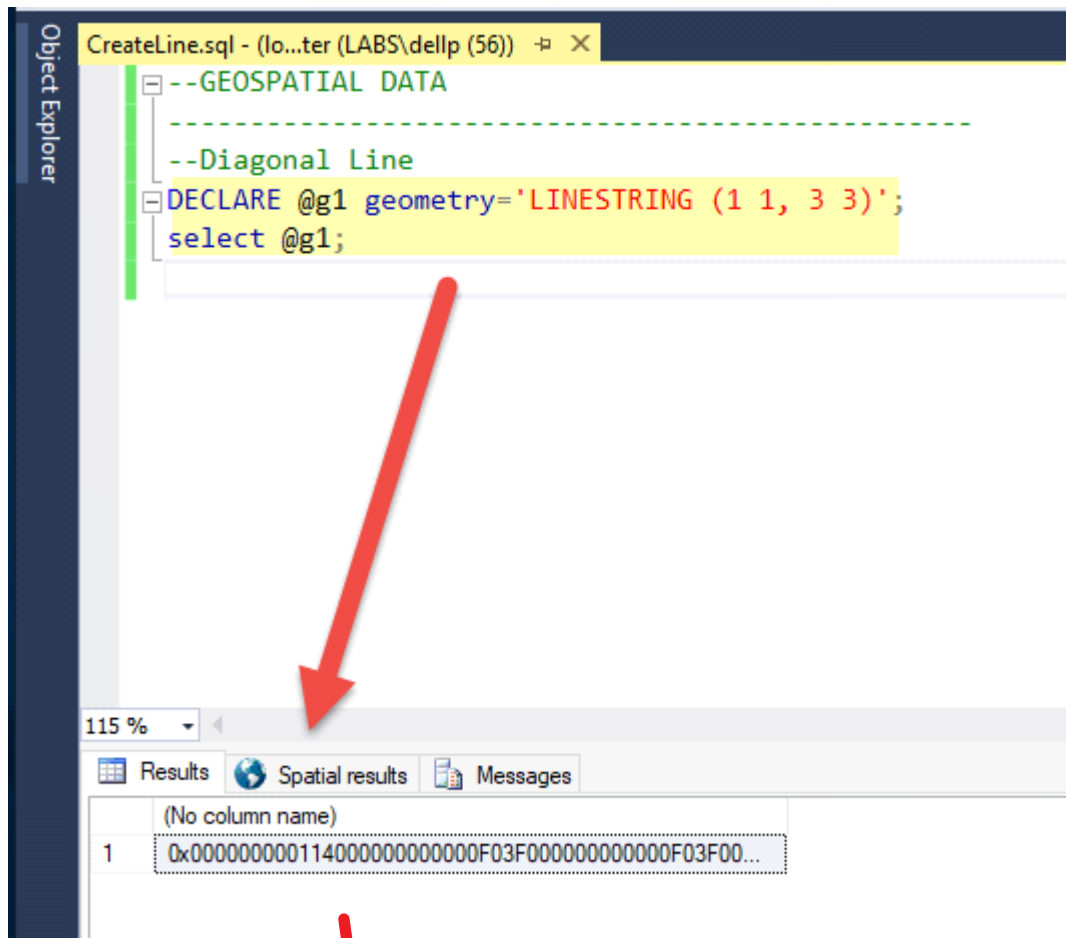


Create a Line

Thursday, June 8, 2017 6:08 PM



115 %

Results Spatial results Messages

	SpatialLocation
1	0xE6100000010CAE8BFC28BCE4474067A89189898A5EC0
2	0xE6100000010CD6FA851AE6D74740BC262A0A03905EC0
3	0xE6100000010C18E304C4ADE14740DA930C7893915EC0
4	0xE6100000010C813A0D5F9FDE474011A5C28A7C955EC0
5	0xE6100000010C61C64D8ABBD94740C460EA3FD8855EC0
6	0xE6100000010CE0B4E50458DA47402F12A5F80C975EC0
7	0xE6100000010C18E304C4ADE1474011A5C28A7C955EC0
8	0xE6100000010C0029A5D93BDF4740E248962FD5975EC0
9	0xE6100000010C6A80AD742DDC4740851574F7198C5EC0
10	0xE6100000010C219D64AE1FE4474040862564B7825EC0
11	0xE6100000010CCEFFBBFD9FE9474057B9479C728E5EC0
12	0xE6100000010C6A80AD742DDC474011A5C28A7C955EC0
13	0xE6100000010CC3228C0867E84740F3BC169B7F835EC0
14	0xE6100000010C219D64AE1FE4474067A89189898A5EC0

✓ Query executed successfully. (local)\sqlexpress01 (13.0 ... LA

Adventure Works

Thursday, June 8, 2017 6:09 PM

Object Explorer

Connect

Tables

System Tables

FileTables

dbo.AWBuildVersion

dbo.DatabaseLog

dbo.ErrorLog

HumanResources.Department

HumanResources.Employee

HumanResources.Employee

HumanResources.Employee

HumanResources.JobCandidate

HumanResources.Shift

Person.Address

Columns

AddressID (PK, int)

AddressLine1 (nvarchar)

AddressLine2 (nvarchar)

City (nvarchar(30))

StateProvinceID (FK)

PostalCode (nvarchar)

SpatialLocation (geography)

rowguid (uniqueidentifier)

ModifiedDate (datetime)

Keys

Constraints

Triggers

Indexes

Statistics

Person.AddressType

Person.BusinessEntity

Person.BusinessEntityAddress

Person.BusinessEntityContact

Person.ContactType

Person.CountryRegion

Person.EmailAddress

SQLQuery3.sql - (lo...12 (LABS\dellp (55))

CreateLine.sql - (lo...ter (LABS\dellp (56))

/***** Script for SelectTopNRows command from SSMS *****/

SELECT TOP (1000) [AddressID]

[AddressLine1]

[AddressLine2]

[City]

[StateProvinceID]

[PostalCode]

[SpatialLocation]

[rowguid]

[ModifiedDate]

FROM [AdventureWorks2012].[Person].[Address]

115 %

Results

Spatial results

Messages

	AddressID	AddressLine1	AddressLine2	City	StateProvinceID	PostalCode	SpatialLocation
1	1	1970 Napa Ct.	NULL	Bothell	79	98011	0xE6100000010CAE8BFC28BCE4474067A89189898A5EC
2	2	9833 Mt. Dias Blv.	NULL	Bothell	79	98011	0xE6100000010CD6FA851AE6D74740BC262A0A03905EC
3	3	7400 1st Ave Drive	NULL	Bothell	79	98011	0xE6100000010C18E304C4ADE14740DA930C7893915EC
4	4	9539 Glenside Dr	NULL	Bothell	79	98011	0xE6100000010C813A0D5F9FDE474011A5C28A7C955EC
5	5	1226 Shoe St.	NULL	Bothell	79	98011	0xE6100000010C61C64D8ABBD94740C460EA3FD8855EC
6	6	1399 Firestone Drive	NULL	Bothell	79	98011	0xE6100000010CE0B4E50458DA47402F12A5F80C975EC
7	7	5672 Hale Dr.	NULL	Bothell	79	98011	0xE6100000010C18E304C4ADE1474011A5C28A7C955EC
8	8	6387 Scenic Avenue	NULL	Bothell	79	98011	0xE6100000010C0029A5D938DF4740E248962FD5975EC
9	9	8713 Yosemite Ct.	NULL	Bothell	79	98011	0xE6100000010C6A80AD742DDC4740851574F7198C5EC
10	10	250 Race Court	NULL	Bothell	79	98011	0xE6100000010C219D64AE1FE4474040862564B7825EC
11	11	1318 Lasalle Street	NULL	Bothell	79	98011	0xE6100000010CCEFFB8FD9FE9474057B9479C728E5EC
12	12	5415 San Gabriel Dr.	NULL	Bothell	79	98011	0xE6100000010C6A80AD742DDC474011A5C28A7C955EC
13	13	9265 La Paz	NULL	Bothell	79	98011	0xE6100000010CC3228C0867E84740F3BC169B7F835EC

Query executed successfully. (local)\sqlexpress01 (13.0 ... LABS\dellp (55) AdventureWorks2012 00:00:00 1000 rows

Lat-Long to Spatial

Thursday, June 8, 2017 6:53 PM

```
LatLongToSpatial.sql...2 (LABS\delip (55))* X CreateLine.sql - (lo...ter (LABS\delip (56))
CREATE TABLE [dbo].[Landmark] (
    [ID] INT IDENTITY(1, 1),
    [LandmarkName] VARCHAR(100),
    [Location] VARCHAR(50),
    [Latitude] FLOAT,
    [Longitude] FLOAT
)
GO

INSERT INTO [dbo].[Landmark] ( [LandmarkName], [Location], [Latitude], [Longitude] )
VALUES ( 'Statue of Liberty', 'New York, USA', 40.689168, -74.044563 ),
( 'Eiffel Tower', 'Paris, France', 48.858454, 2.294694),
( 'Leaning Tower of Pisa', 'Pisa, Italy', 43.72294, 10.396604 ),
( 'Great Pyramids of Giza', 'Cairo, Egypt', 29.978989, 31.134632 ),
( 'Sydney Opera House', 'Sydney, Australia', -33.856651, 151.214967 ),
( 'Taj Mahal', 'Agra, India', 27.175047, 78.042042 ),
( 'Colosseum', 'Rome, Italy', 41.890178, 12.492378 )
GO

SELECT * FROM Landmark

ALTER TABLE [dbo].[Landmark]
ADD [GeoLocation] GEOGRAPHY
GO

--EPSG 4326 defines a full coordinate reference system,
UPDATE [dbo].[Landmark]
SET [GeoLocation] = geography::Point([Latitude], [Longitude], 4326)
GO

SELECT * FROM Landmark
DROP TABLE dbo.Landmark
GO
```

115 %

Results Spatial results Messages

	ID	LandmarkName	Location	Latitude	Longitude	
1	1	Statue of Liberty	New York, USA	40.689168	-74.044563	
2	2	Effel Tower	Paris, France	48.858454	2.294694	
3	3	Leaning Tower of Pisa	Pisa, Italy	43.72294	10.396604	
4	4	Great Pyramids of Giza	Cairo, Egypt	29.978989	31.134632	
5	5	Sydney Opera House	Sydney, Australia	-33.856651	151.214967	
6	6	Taj Mahal	Agra, India	27.175047	78.042042	
7	7	Colosseum	Rome, Italy	41.890178	12.492378	

	ID	LandmarkName	Location	Latitude	Longitude	GeoLocation
1	1	Statue of Liberty	New York, USA	40.689168	-74.044563	0xE6100000010C91B932A83658444025E7C41EDA8252C0
2	2	Effel Tower	Paris, France	48.858454	2.294694	0xE6100000010C698F17D2E16D4840909E2287885B0240
3	3	Leaning Tower of Pisa	Pisa, Italy	43.72294	10.396604	0xE6100000010C317C444C89DC4540F2ECF2AD0FCB2440
4	4	Great Pyramids of Giza	Cairo, Egypt	29.978989	31.134632	0xE6100000010CCC24EA059FFA3D40BDFE243E77223F40
5	5	Sydney Opera House	Sydney, Austr...	-33.8566...	151.2149...	0xE6100000010CF88A6EBDA6ED40C004577902E1E66240
6	6	Taj Mahal	Agra, India	27.175047	78.042042	0xE6100000010C4E4354E1CF2C3B40BDC3EDD0B08253...
7	7	Colosseum	Rome, Italy	41.890178	12.492378	0xE6100000010C31CF4A5AF1F144402F8A1EF818FC2840

Query executed successfully. (local)\sqlexpress01 (13.0 ... LABS\dellp (55) AdventureWorks2012 00:00:00 14 rows