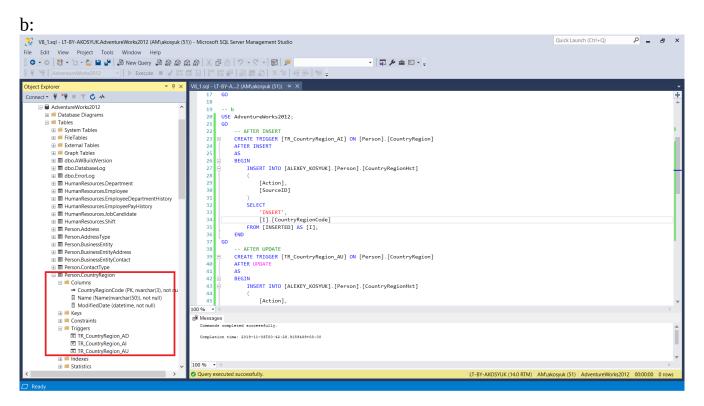
# REPORT FOR TASK 4, VARIANT 8

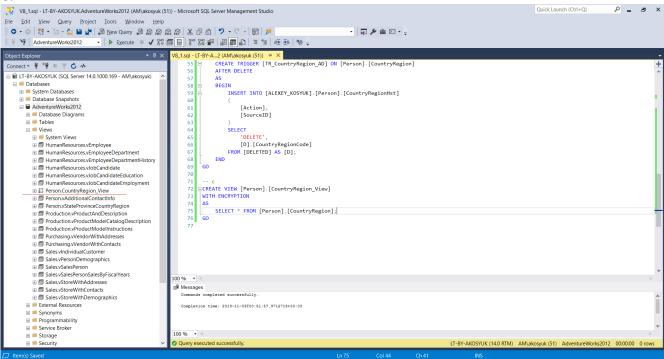
#### 1. First subtask:

```
a:
                                                                                                                                                                                                                                    Quick Launch (Ctrl+Q)
 V8_1.sql - LT-BY-AKOSYUK.ALEXEY_KOSYUK (AM\akosyuk (51)) - Microsoft SQL Server Management Studio
                                                                                                                                                                                                                                                                       ₽ <u>-</u> 5 ×
 File Edit View Project Tools Window Help
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                                                                         V8_1.sql - LT-BY-A...K (AM\akosyuk (51)) → ×
  Connect ▼ *♥ ■ ▼ ♂ ---
   ■ LT-BY-AKOSYUK (SOL Server 14.0.1000.169 - AM\akosvuk)
       ☐ System Databases
☐ System Databases
☐ Database Snapshots
☐ AdventureWorks2012
☐ ALEXEY_KOSYUK
                                                                                      CREATE SCHEMA [Person];
                                                                                           CREATE TABLE [Person].[CountryRegionHst]
                                                                                                [ID] INT IDENTITY(1, 1) PRIMARY KEY,
[Action] NVARCHAR(6) NOT NULL,
[ModifiedDate] DATETIME NOT NULL CONSTRAINT [DF_CountryRegionHst_ModifiedDate] DEFAULT GETDATE(),
[SourceID] NVARCHAR(3) NOT NULL,
[UserName] NVARCHAR(100) NOT NULL CONSTRAINT [DF_CountryRegionHst_UserName] DEFAULT CURRENT_USER,
          □ ■ Tables
                                                                               10
11
12
13
14
15
16
17
18
             CONSTRAINT [CH_CountryRegionHst_Action] CHECK([Action] IN ('INSERT', 'UPDATE', 'DELETE'))
                                                                               18
9 -- b
19 -- b
20 USE AdventureWorks2012;
1 GO
22 -- AFTER INSERT
23 B CREATE TRIGGER [TR_C
4 AFTER INSERT
25 AS
26 B BEGIN
27 B INSERT INTO [ALE
28 [Action],
                      SourceID (nvarchar(3), not null)
                                                                                           -- AFIEK INSEKI
CREATE TRIGGER [TR_CountryRegion_AI] ON [Person].[CountryRegion]
AFTER INSERT
                      ■ UserName (nvarchar(100), not null)
               ☐ DF CountryRegionHst ModifiedDate
                                                                                                 INSERT INTO [ALEXEY_KOSYUK].[Person].[CountryRegionHst]
                  ☐ DF_CountryRegionHst_UserName
■ Triggers
             Messages
Commands completed successfully.
          Views

    External Resources
                                                                             Completion time: 2019-11-03T00:39:34.3154134+03:00
                                                                          100.96 + 4
           🗉 🔳 Storage
                                                                                                                                                                                                     LT-BY-AKOSYUK (14.0 RTM) | AM\akosyuk (51) | ALEXEY_KOSYUK | 00:00:00 | 0 row:
            Security
```



c:



## d:



# 2. Second subtask:

a: V8\_2.sql - LT-BY-AKOSYUK.AdventureWorks2012 (AM\akosyuk (52)) - Microsoft SQL Server Management Studio ₽ <u>-</u> & × Edit View Query Project Tools Window Help ③ - ○ | 웹 - 입 - 😩 🔛 🛂 🚇 New Query 🚇 😭 😭 🛣 🛣 🛣 🗡 🗇 ① 🎈 🤊 🎏 · 👼 🔑 🛳 🖂 - 💂 - | ▶ Execute = ✔ \$8 🗊 🗒 🔡 80 \$8 🗊 | 🗊 📰 🖺 🖫 2 1 2 2 1 2 3 1 2 AdventureWorks2012 → û × /8 2.sql - LT-BY-A...2 (AM\akosyuk (52)) Connect ▼ ¥ ¥ ■ ▼ 🖒 -外 ELT-BY-AKOSYUK (SQL Server 14.0.1000.169 - AM\akosyuk) □ ■ Databases ■ System Databases CREATE VIEW [CountryRegion\_SalesTerritory\_View] AS SELECT [CR].[CountryRegionCode] [CR]. (CountryRegionCode),
[CR]. [ModifiedDate],
[CR]. [Name] AS (CountryName],
[ST]. [CostLastYear],
[ST]. [CostTyTD],
[ST]. [Group],
[ST]. [ModifiedDate] AS [SalesTerritory\_ModifiedDate],
[ST]. [ModifiedDate] AS [SalesTerritory\_ModifiedDate],
[ST]. [Name] AS [SalesTerritoryName],
[ST]. [SalesLastYear],
[ST]. [SalesLastYear],
[ST]. [SalesLastYear], ■ System Views ■ System Views
■ dbo.CountryRegion\_SalesTerritory\_View
■ Columns
■ Triggers indexes
in UCX\_CountryRegion\_SalesTerritory\_View\_Te
in Statistics
in HumanResources.VEmployee
in HumanResources.VEmployeeDepartment
in HumanResources.VEmployeeDepartmentHistory [ST].[SalesYTD]. [S1].[SalesYU],
[S1].[TerritoryID]

FROM [Person].[CountryRegion] AS [CR]

INNER 201M [Sales].[SalesTerritory] AS [S1]

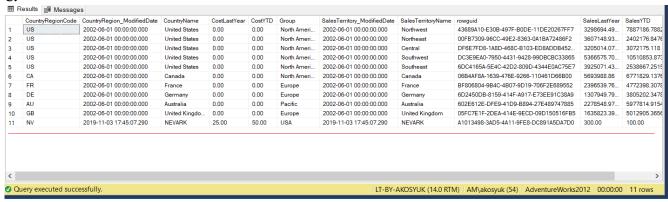
ON [CR].[CountryRegionCode] = [S1].[CountryRegionCode]; ⊞ 
☐ HumanResources.vJobCandidate CREATE UNIQUE CLUSTERED INDEX [UCX\_countryRegion\_SalesTerritory\_View\_TerritoryID]

ON [dbo].[CountryRegion\_SalesTerritory\_View] ([TerritoryID]);

60 Messages Commands com ⊞ ■ Sales.vPersonDemographics Completion time: 2019-11-03T15:45:47.3283297+03:00 LT-BY-AKOSYUK (14.0 RTM) | AM\akosyuk (52) | AdventureWorks2012 | 00:00:00 | 0 row:

#### b: Quick Launch (Ctrl+Q) ₽ <u>-</u> ₽ × V8\_2.sql - LT-BY-AKOSYUK.AdventureWorks2012 (AM\akosyuk (52)) - Microsoft SQL Server Management Studio Edit View Query Project Tools Window Help · 👼 🔑 🛳 🖂 - 💂 ○ - ○ | ỗ - ゥ - ☆ ≌ 🛂 🚇 New Query 🚇 😭 🏔 🏔 🏗 🛣 🗗 台 | ヴ - ୯ - | 🐼 | 🍺 Connect ▼ ¥ ■ ▼ 🖒 🛧 CREATE TRIGGER [TR\_CountryRegion\_SalesTerritory\_View\_IO\_IUD] ☐ ■ LT-BY-AKOSYUK (SQL Server 14.0.1000.169 - AM\akosyuk) ☐ ■ Databases ■ ■ System Databases ON [dbo].[CountryRegion\_SalesTerritory\_View] INSTEAD OF INSERT, UPDATE, DELETE ⊞ ■ Database Snapshots 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 BEGIN -- DELETE IF NOT EXISTS (SELECT \* FROM [INSERTED]) BEGIN DECLARE @crCode NVARCHAR(3); □ AdventureWorks2012 ■ □ Database Diagrams ■ □ Tables □ □ Views ■ □ System Views SELECT @crCode = [D].[CountryRegionCode] FROM [DELETED] AS [D]; □ doo.countryRegion\_Sales Ierritory\_View □ Columns □ □ Triggers □ □ R.CountryRegion\_SalesTerritory\_View\_IO\_IL □ □ Indexes □ □ Statistics DELETE FROM [Sales].[SalesTerritory] WHERE [CountryRegionCode] = @crCode; DELETE FROM [Person].[CountryRegion] WHERE [CountryRegionCode] = @crCode; ⊞ ☐ HumanResources.vEmployee □ Humankesources.vmployee □ Humankesources.vmployeeDepartment □ Humankesources.vmployeeDepartmentHistory -- INSERT ELSE IF NOT EXISTS (SELECT \* FROM [DELETED]) BEGIN IF NOT EXISTS SELECT \* FROM [Person].[CountryRegion] AS [CR] INNER JOIN [INSERTED] AS [I] ON [I].[CountryRegionCode] = [CR].[CountryRegionCode] INSERT INTO [Person].[CountryRegion] ⊞ Purchasing.vVendorWithAddresses ∰ Messages Completion time: 2019-11-03T17:33:02.6326103+03:00 LT-BY-AKOSYUK (14.0 RTM) | AM\akosyuk (52) | AdventureWorks2012 | 00:00:00 | 0 rows

### c:



	CountryRegionCode	CountryRegion_ModifiedDate	CountryName	CostLastYear	CostYTD	Group	SalesTerritory_ModifiedDate	SalesTerritoryName	rowguid	SalesLastYear	SalesYTD
1	US	2002-06-01 00:00:00.000	United States	0.00	0.00	North Ameri	2002-06-01 00:00:00.000	Northwest	43689A10-E30B-497F-B0DE-11DE20267FF7	3298694.49	7887186.788
2	US	2002-06-01 00:00:00.000	United States	0.00	0.00	North Ameri	2002-06-01 00:00:00.000	Northeast	00FB7309-96CC-49E2-8363-0A1BA72486F2	3607148.93	2402176.847
3	US	2002-06-01 00:00:00.000	United States	0.00	0.00	North Ameri	2002-06-01 00:00:00.000	Central	DF6E7FD8-1A8D-468C-B103-ED8ADDB452	3205014.07	3072175.118
4	US	2002-06-01 00:00:00.000	United States	0.00	0.00	North Ameri	2002-06-01 00:00:00.000	Southwest	DC3E9EA0-7950-4431-9428-99DBCBC33865	5366575.70	10510853.87
5	US	2002-06-01 00:00:00.000	United States	0.00	0.00	North Ameri	2002-06-01 00:00:00.000	Southeast	6DC4165A-5E4C-42D2-809D-4344E0AC75E7	3925071.43	2538667.251
6	CA	2002-06-01 00:00:00.000	Canada	0.00	0.00	North Ameri	2002-06-01 00:00:00.000	Canada	06B4AF8A-1639-476E-9266-110461D66B00	5693988.86	6771829.137
7	FR	2002-06-01 00:00:00.000	France	0.00	0.00	Europe	2002-06-01 00:00:00.000	France	BF806804-9B4C-4B07-9D19-706F2E689552	2396539.76	4772398.307
3	DE	2002-06-01 00:00:00.000	Germany	0.00	0.00	Europe	2002-06-01 00:00:00.000	Germany	6D2450DB-8159-414F-A917-E73EE91C38A9	1307949.79	3805202.347
9	AU	2002-06-01 00:00:00.000	Australia	0.00	0.00	Pacific	2002-06-01 00:00:00.000	Australia	602E612E-DFE9-41D9-B894-27E489747885	2278548.97	5977814.915
10	GB	2002-06-01 00:00:00.000	United Kingdo	0.00	0.00	Europe	2002-06-01 00:00:00.000	United Kingdom	05FC7E1F-2DEA-414E-9ECD-09D150516FB5	1635823.39	5012905.365
11	NV	2019-11-03 17:45:07.290	NevArk	25.00	50.00	Usa	2019-11-03 17:45:07.290	NEVARK	A1013498-3AD5-4A11-9FE8-DC891A5DA7D0	20.00	100.00

	CountryRegionCode	CountryRegion_ModifiedDate	CountryName	CostLastYear	CostYTD	Group	SalesTerritory_ModifiedDate	SalesTerritoryName	rowguid	SalesLastYear	SalesYTD
1	US	2002-06-01 00:00:00.000	United States	0.00	0.00	North Ameri	2002-06-01 00:00:00.000	Northwest	43689A10-E30B-497F-B0DE-11DE20267FF7	3298694.49	7887186.788
2	US	2002-06-01 00:00:00.000	United States	0.00	0.00	North Ameri	2002-06-01 00:00:00.000	Northeast	00FB7309-96CC-49E2-8363-0A1BA72486F2	3607148.93	2402176.847
3	US	2002-06-01 00:00:00.000	United States	0.00	0.00	North Ameri	2002-06-01 00:00:00.000	Central	DF6E7FD8-1A8D-468C-B103-ED8ADDB452	3205014.07	3072175.118
4	US	2002-06-01 00:00:00.000	United States	0.00	0.00	North Ameri	2002-06-01 00:00:00.000	Southwest	DC3E9EA0-7950-4431-9428-99DBCBC33865	5366575.70	10510853.87
5	US	2002-06-01 00:00:00.000	United States	0.00	0.00	North Ameri	2002-06-01 00:00:00.000	Southeast	6DC4165A-5E4C-42D2-809D-4344E0AC75E7	3925071.43	2538667.251
6	CA	2002-06-01 00:00:00.000	Canada	0.00	0.00	North Ameri	2002-06-01 00:00:00.000	Canada	06B4AF8A-1639-476E-9266-110461D66B00	5693988.86	6771829.137
7	FR	2002-06-01 00:00:00.000	France	0.00	0.00	Europe	2002-06-01 00:00:00.000	France	BF806804-9B4C-4B07-9D19-706F2E689552	2396539.76	4772398.307
8	DE	2002-06-01 00:00:00.000	Germany	0.00	0.00	Europe	2002-06-01 00:00:00.000	Germany	6D2450DB-8159-414F-A917-E73EE91C38A9	1307949.79	3805202.347
9	AU	2002-06-01 00:00:00.000	Australia	0.00	0.00	Pacific	2002-06-01 00:00:00.000	Australia	602E612E-DFE9-41D9-B894-27E489747885	2278548.97	5977814.915
10	GB	2002-06-01 00:00:00.000	United Kingdo	0.00	0.00	Europe	2002-06-01 00:00:00.000	United Kingdom	05FC7E1F-2DEA-414E-9ECD-09D150516FB5	1635823.39	5012905.365
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