

# REPORT FOR TASK 4, VARIANT 8

## 1. First subtask:

a:

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure for 'ALEXEY\_KOSYUK'. The 'Person.CountryRegionHst' table is highlighted, showing its columns: ID (PK, int, not null), Action (nvarchar(6), not null), ModifiedDate (datetime, not null), SourceID (nvarchar(3), not null), and UserName (nvarchar(100), not null). The 'Constraints' section shows 'CH\_CountryRegionHst\_Action'. The SQL Editor on the right contains the following T-SQL code:

```
1 USE ALEXEY_KOSYUK;
2 GO
3
4 -- a
5 CREATE SCHEMA [Person];
6 GO
7 CREATE TABLE [Person].[CountryRegionHst]
8 (
9     [ID] INT IDENTITY(1, 1) PRIMARY KEY,
10    [Action] NVARCHAR(6) NOT NULL,
11    [ModifiedDate] DATETIME NOT NULL CONSTRAINT [DF_CountryRegionHst_ModifiedDate] DEFAULT GETDATE(),
12    [SourceID] NVARCHAR(3) NOT NULL,
13    [UserName] NVARCHAR(100) NOT NULL CONSTRAINT [DF_CountryRegionHst_UserName] DEFAULT CURRENT_USER,
14
15    CONSTRAINT [CH_CountryRegionHst_Action] CHECK([Action] IN ('INSERT', 'UPDATE', 'DELETE'))
16 );
17 GO
18
19 -- b
20 USE AdventureWorks2012;
21 GO
22 -- AFTER INSERT
23 CREATE TRIGGER [TR_CountryRegion_AI] ON [Person].[CountryRegion]
24 AFTER INSERT
25 AS
26 BEGIN
27     INSERT INTO [ALEXEY_KOSYUK].[Person].[CountryRegionHst]
28     (
29         [Action],
```

The Messages pane at the bottom shows 'Commands completed successfully.' and 'Completion time: 2019-11-09T00:39:34.3154134+03:00'. The status bar at the bottom indicates 'Query executed successfully.' and 'LT-BY-AKOSYUK (14.0 RTM) AM\akosyuk (51) ALEXEY\_KOSYUK 00:00:00 0 rows'.

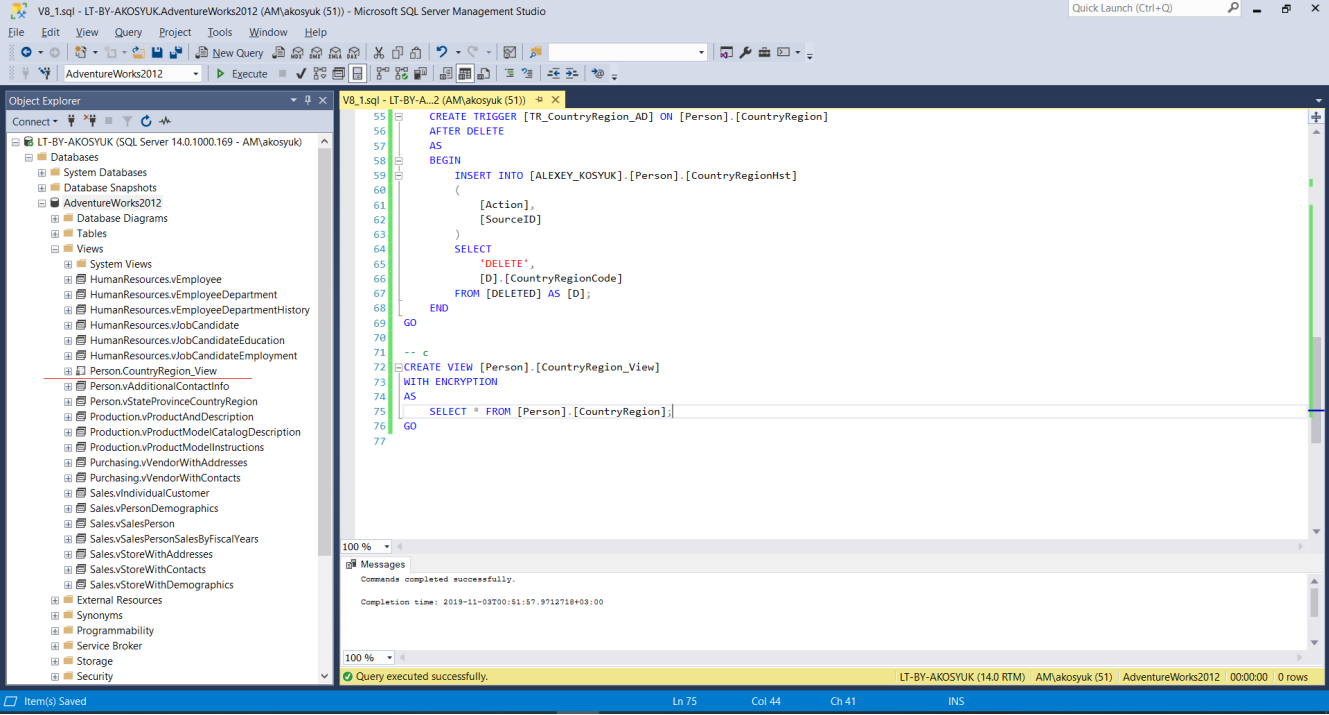
b:

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure for 'AdventureWorks2012'. The 'Person.CountryRegion' table is highlighted, showing its columns: CountryRegionCode (PK, nvarchar(3), not null), Name (nvarchar(50), not null), and ModifiedDate (datetime, not null). The 'Constraints' section shows 'TR\_CountryRegion\_AI' and 'TR\_CountryRegion\_AU'. The SQL Editor on the right contains the following T-SQL code:

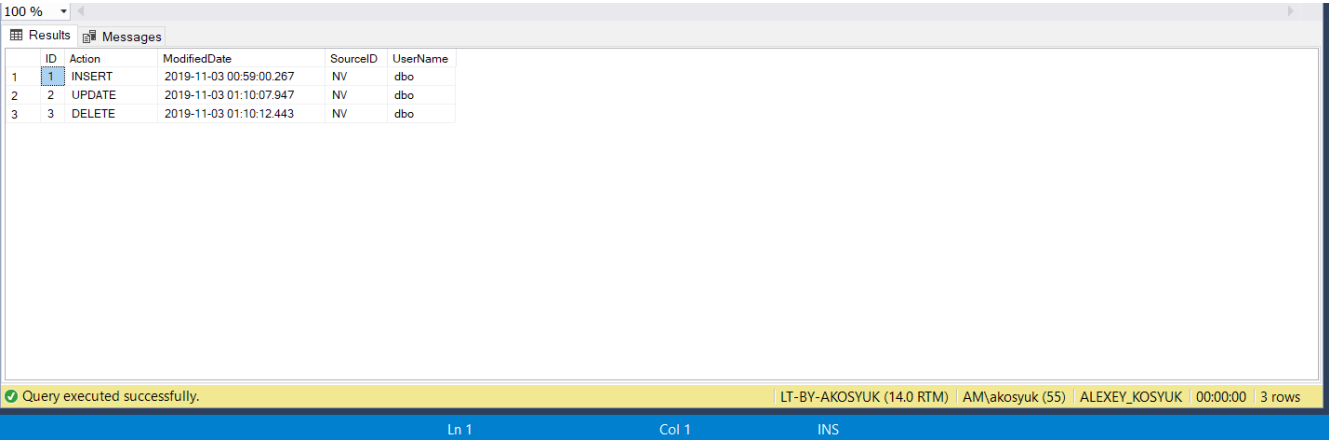
```
17 GO
18
19 -- b
20 USE AdventureWorks2012;
21 GO
22 -- AFTER INSERT
23 CREATE TRIGGER [TR_CountryRegion_AI] ON [Person].[CountryRegion]
24 AFTER INSERT
25 AS
26 BEGIN
27     INSERT INTO [ALEXEY_KOSYUK].[Person].[CountryRegionHst]
28     (
29         [Action],
30         [SourceID]
31     )
32     SELECT
33         'INSERT',
34         [I].[CountryRegionCode]
35     FROM [INSERTED] AS [I];
36 END
37 GO
38 -- AFTER UPDATE
39 CREATE TRIGGER [TR_CountryRegion_AU] ON [Person].[CountryRegion]
40 AFTER UPDATE
41 AS
42 BEGIN
43     INSERT INTO [ALEXEY_KOSYUK].[Person].[CountryRegionHst]
44     (
45         [Action],
```

The Messages pane at the bottom shows 'Commands completed successfully.' and 'Completion time: 2019-11-09T00:42:28.9159439+03:00'. The status bar at the bottom indicates 'Query executed successfully.' and 'LT-BY-AKOSYUK (14.0 RTM) AM\akosyuk (51) AdventureWorks2012 00:00:00 0 rows'.

C:



d:



2. Second subtask: