REPORT FOR TASK 3, VARIANT # 8

1. First subtask:

- a

- b, c

- d

Screenshot of SQL Server Management Studio showing V8_1.sql query. Code editor content:

```
52     SET
53         [AddressLine2] = [VAR].[AddressLine2],
54         [PersonName] = [PER].[FirstName] + ' ' + [PER].[LastName]
55     FROM @addressVariable AS [VAR]
56     INNER JOIN [AdventureWorks2012].[Person].[BusinessEntityAddress] AS [BEA]
57     ON [BEA].[AddressID] = [VAR].[AddressID]
58         INNER JOIN [AdventureWorks2012].[Person].[Person] AS [PER]
59         ON [PER].[BusinessEntityID] = [BEA].[BusinessEntityID];
60
61     -- d
62     DELETE [ADR]
63     FROM [dbo].[Address] AS [ADR]
64     INNER JOIN [AdventureWorks2012].[Person].[BusinessEntityAddress] AS [BEA]
65     ON [BEA].[AddressID] = [ADR].[AddressID]
66         INNER JOIN [AdventureWorks2012].[Person].[AddressType] AS [AT]
67         ON [AT].[AddressTypeID] = [BEA].[AddressTypeID] AND [AT].[Name] = 'Main Office';
68
69
70
```

Messages:
```
(6 rows affected)

Completion time: 2019-10-20T03:44:33.0698298+03:00
```

- e

Screenshot of SQL Server Management Studio showing V8_1.sql query. Code editor content:

```
69     -- e
70     ALTER TABLE [dbo].[Address]
71         DROP COLUMN [PersonName];
72
73     SELECT [INF].[CONSTRAINT_NAME] FROM [ALEXEY_KOSYUK].INFORMATION_SCHEMA.CONSTRAINT_TABLE_USAGE AS [INF]
74         WHERE TABLE_SCHEMA = 'dbo' AND TABLE_NAME = 'Address';
75
76     SELECT [CON].[name]
77     FROM sys.default_constraints AS [CON]
78         INNER JOIN sys.objects AS [OB]
79         ON [CON].[parent_object_id] = [OB].[object_id] AND schema_name([OB].[schema_id]) + '.' + [OB].[name] = 'dbo.Address'
80     ORDER BY [CON].[name];
81
82     ALTER TABLE [dbo].[Address]
83     DROP CONSTRAINT
84         [UQ__Address__3214EC2620FEED60],
85         [CH_Address_StateProvinceID],
86         [DF_Address_AddressLine2];
87
```

Results:

	CONSTRAINT_NAME
1	PK__Address__091C2A1B21A83EDF
2	UQ__Address__3214EC2620FEED60
3	CH_Address_StateProvinceID

	name
1	DF_Address_AddressLine2

Query executed successfully.

```sql
-- e
ALTER TABLE [dbo].[Address]
    DROP COLUMN [PersonName];

SELECT [INF].[CONSTRAINT_NAME] FROM [ALEXEY_KOSYUK].INFORMATION_SCHEMA.CONSTRAINT_TABLE_USAGE AS [INF]
    WHERE TABLE_SCHEMA = 'dbo' AND TABLE_NAME = 'Address';

SELECT [CON].[name]
FROM sys.default_constraints AS [CON]
    INNER JOIN sys.objects AS [OB]
    ON [CON].[parent_object_id] = [OB].[object_id] AND schema_name([OB].[schema_id]) + '.' + [OB].[name] = 'dbo.Address'
ORDER BY [CON].[name];

ALTER TABLE [dbo].[Address]
DROP CONSTRAINT
    [UQ__Address__3214EC2620FEED60],
    [CH_Address_StateProvinceID],
    [DF_Address_AddressLine2];
```

Object Explorer:
- LT-BY-AKOSYUK (SQL Server 14.0.1000.169 - AM\akosyuk)
  - Databases
    - System Databases
    - Database Snapshots
    - AdventureWorks2012
    - ALEXEY_KOSYUK
      - Tables
        - System Tables
        - FileTables
        - External Tables
        - Graph Tables
        - dbo.Address
          - Columns
            - AddressID (PK, int, not null)
            - AddressLine1 (nvarchar(60), not null)
            - AddressLine2 (nvarchar(60), not null)
            - City (nvarchar(30), not null)
            - StateProvinceID (int, not null)
            - PostalCode (nvarchar(15), not null)
            - ModifiedDate (datetime, not null)
            - ID (int, not null)
          - Keys
            - PK_Address__091C2A1B21A83EDF
          - Constraints
        - Triggers
        - Indexes
        - Statistics
        - sales.Orders
      - Views
      - External Resources
      - Synonyms
      - Programmability
      - Service Broker
      - Storage
      - Security

Messages
Commands completed successfully.
Completion time: 2019-10-20T04:26:36.3966471+03:00

Query executed successfully.

- f

```sql
-- e
ALTER TABLE [dbo].[Address]
    DROP COLUMN [PersonName];

SELECT [INF].[CONSTRAINT_NAME] FROM [ALEXEY_KOSYUK].INFORMATION_SCHEMA.CONSTRAINT_TABLE_USAGE AS [INF]
    WHERE TABLE_SCHEMA = 'dbo' AND TABLE_NAME = 'Address';

SELECT [CON].[name]
FROM sys.default_constraints AS [CON]
    INNER JOIN sys.objects AS [OB]
    ON [CON].[parent_object_id] = [OB].[object_id] AND schema_name([OB].[schema_id]) + '.' + [OB].[name] = 'dbo.Address'
ORDER BY [CON].[name];

ALTER TABLE [dbo].[Address]
DROP CONSTRAINT
    [UQ__Address__3214EC2620FEED60],
    [CH_Address_StateProvinceID],
    [DF_Address_AddressLine2];

-- f
DROP TABLE [dbo].[Address];
```

Object Explorer:
- LT-BY-AKOSYUK (SQL Server 14.0.1000.169 - AM\akosyuk)
  - Databases
    - System Databases
    - Database Snapshots
    - AdventureWorks2012
    - ALEXEY_KOSYUK
      - Database Diagrams
      - Tables
        - System Tables
        - FileTables
        - External Tables
        - Graph Tables
        - sales.Orders
      - Views
      - External Resources
      - Synonyms
      - Programmability
      - Service Broker
      - Storage
      - Security
  - Security
  - Server Objects
  - Replication
  - PolyBase
  - Always On High Availability
  - Management
  - Integration Services Catalogs
  - SQL Server Agent
  - XEvent Profiler

Messages
Commands completed successfully.
Completion time: 2019-10-20T04:28:39.7282324+03:00

Query executed successfully.

Ln 89   Col 28   Ch 28   INS

2. Second subtask: