

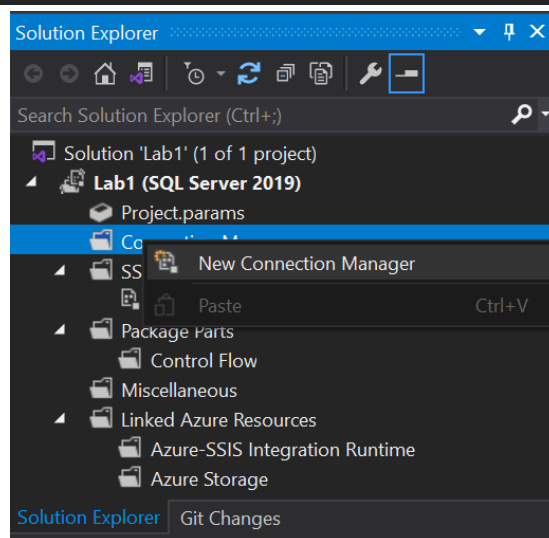
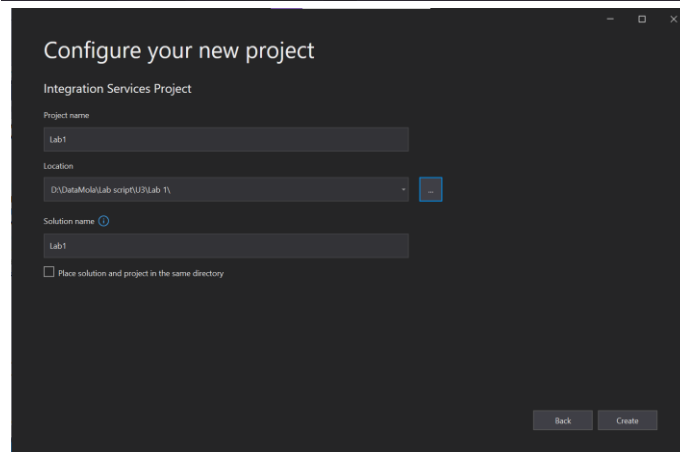
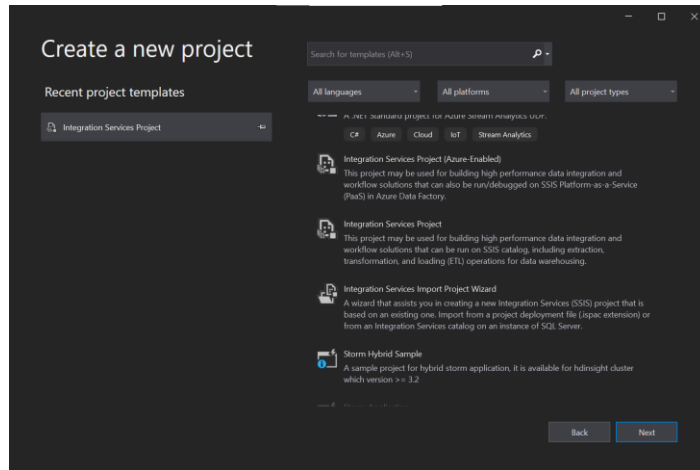
# Lab report #1

## Sadovskaya Veronika

GitHub: <https://github.com/sdveronika/DataMola22>

### Task 1 – Using the Import and Export Wizard Scenario

Create project as 'Integration Services Project':



Add SSIS Connection Manager

Select the type of connection manager to add to the package.

Connection manager type:

Type	Description	File .
Hadoop	Диспетчер подключений для Hadoop	Micr.
HTTP	Диспетчер соединений для HTTP-сеансов	C:\P.
MSMQ	Диспетчер соединений для задачи "Очередь с...	Micr.
MSOLAP100	Диспетчер соединений для соединений служб...	C:\P.
MULTIFILE	Диспетчер соединений для нескольких файлов	C:\P.
MULTIFLATFILE	Диспетчер соединений для нескольких неструк...	C:\P.
ODATA	Диспетчер соединений для служб OData	Micr.
ODBC	Диспетчер соединений для соединений ODBC	C:\P.
OLEDB	Диспетчер соединений для соединений OLE DB	C:\P.
SMO Server	Диспетчер соединений для задач обмена дан...	Micr.
SMTP	Диспетчер соединений для задачи "Отправка ...	Micr.
SQLMOBILE	Диспетчер соединений с SQL Server Compact	C:\P.
WMI	Диспетчер соединений для задач инструмента...	Micr.

Add... Cancel

Configure OLE DB Connection Manager

To create a connection manager based on previously defined connection information, select a data connection, and then click OK. To create a new connection manager, click New.

Data connections:

Data connection properties:

Property	Value
----------	-------

New... Delete

OK Cancel

Connection Manager

Provider: Native OLE DB:SQL Server Native Client 11.0

Server name: USER-PC Refresh

Log on to the server

Authentication: Windows Authentication

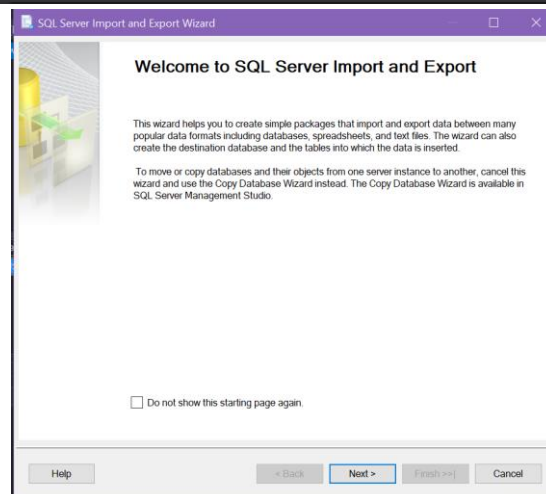
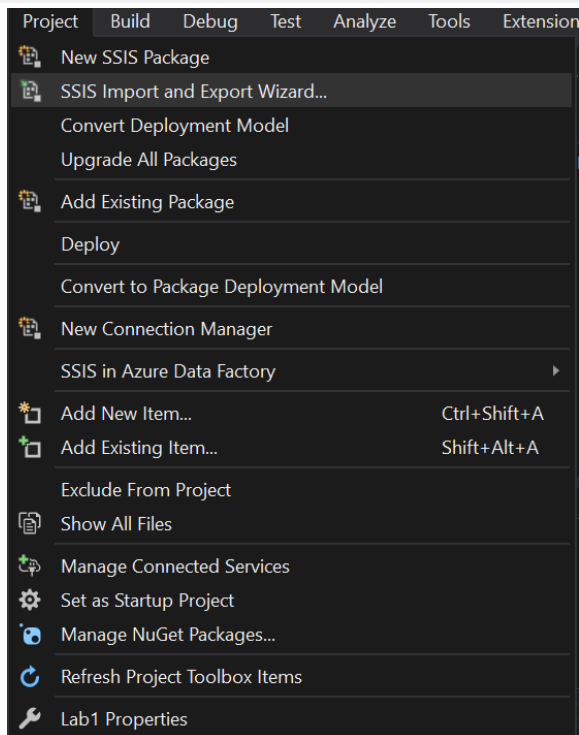
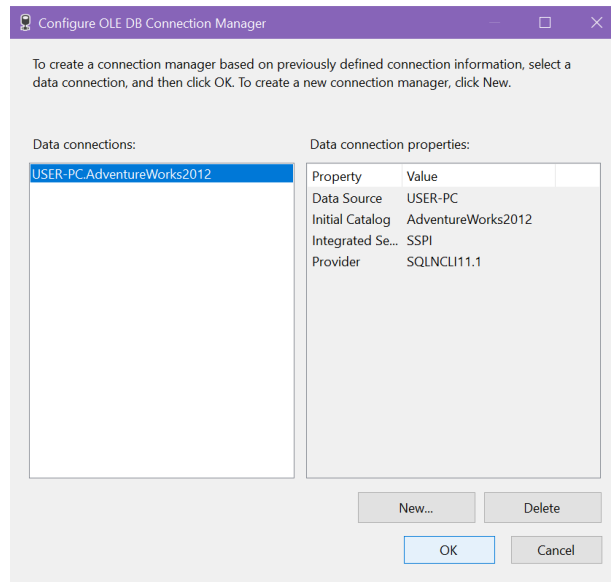
User name: Password: Save my password

Connect to a database

Select or enter a database name: AdventureWorks2012

Attach a database file: Browse... Logical name:

Test Connection OK Cancel Help



SQL Server Import and Export Wizard

**Choose a Data Source**  
Select the source from which to copy data.

Data source:

DefaultAuthenticationPlugin  
Integrated Security  
OciConfigFile  
Ssl Ca  
Ssl Cert  
Ssl Key  
Ssl Mode  
▼ **Backwards Compatibility**  
Use Default Command Timeout  
▼ **Connection**  
Allow Batch  
Allow Load Data Local Infile  
Allow Load Local Infile In Path  
Connect Timeout  
Connection Protocol  
Database

▼  
Net Framework Data Provider for MySQL  
Net Framework Data Provider for MySQL  
Net Framework Data Provider for Odbc  
Net Framework Data Provider for Oracle  
Net Framework Data Provider for SqlServer  
Microsoft Access (Microsoft Jet Database Engine)  
Microsoft Excel  
Microsoft OLE DB Driver for SQL Server  
Microsoft OLE DB Provider for Analysis Services 10.0  
Microsoft OLE DB Provider for Analysis Services 13.0  
Microsoft OLE DB Provider for Analysis Services 14.0  
Microsoft OLE DB Provider for Oracle  
Microsoft OLE DB Provider for Search  
Microsoft OLE DB Provider for SQL Server  
Microsoft OLE DB Provider for SQL Server Integration Services  
SQL Server Native Client 11.0  
Источник "Неструктурированный файл"

**Allow Batch**  
Allows execution of multiple SQL commands in a single statement

Help < Back Next > Finish >> Cancel

Свойства канала передачи данных

Соединение Дополнительно Все

1. Select or enter a server name:  
USER-PC Refresh

2. Enter information to log on to the server:  
Windows Authentication

Server SPN:  
User name:  
Password:

☒ Blank password ☐ Allow saving password  
☐ Use strong encryption for data ☐ Trust server certificate

3. ☒ Select the database: AdventureWorks2012  
☐ Attach a database file as a database name:  
Using the filename: ...

Change Password Test Connection

OK Отмена Справка

SQL Server Import and Export Wizard

### Choose a Destination

Specify where to copy data to.

Destination: Назначение "Неструктурированный файл"

Select a file and specify the file properties and the file format.

File name:  Browse...

Locale: English (United States) ☒ Unicode

Code page: 1252 (ANSI - латиница 1)

Format: Delimited

Text qualifier:

☒ Column names in the first data row

Help < Back Next > Finish >> Cancel

Moves to the next wizard page

SQL Server Import and Export Wizard

### Specify Table Copy or Query

Specify whether to copy one or more tables and views or to copy the results of a query from the data source.

☐ Copy data from one or more tables or views

Use this option to copy all the data from the existing tables or views in the source database.

☒ Write a query to specify the data to transfer

Use this option to write an SQL query to manipulate or to restrict the source data for the copy operation.

Help < Back Next > Finish >> Cancel

SQL Server Import and Export Wizard

### Provide a Source Query

Type the SQL statement that will select data from the source database.

SQL statement:

```
SELECT [CurrencyCode].[Name]
FROM [AdventureWorks2012].[Sales].[Currency]
```

Parse Browse...

Help < Back Next > Finish >> Cancel

SQL Server Import and Export Wizard

Configure Flat File Destination

Source query: [Query]

Specify the characters that delimit the destination file:

Row delimiter: {CR}{LF}

Column delimiter: Comma (,)

Edit Mappings...

Preview...

Help

< Back

Next >

Finish >>

Cancel

SQL Server Import and Export Wizard

Complete the Wizard

Verify the choices made in the wizard and click Finish.

Click Finish to perform the following actions:

Source Location : USER-PC

Source Provider : MSOLEDBSQL1

- Copy rows from [Query] to D:\DataMola\Lab script\U3\Lab 1\Currency.txt  
The new rows will be appended to the existing table.
- The package will be saved to the package file "D:\DataMola\Lab script\U3\Lab 1\Lab1\Package1.dtsx".
- The package will not be run immediately.

Provider mapping file : C:\Program Files (x86)\Microsoft Visual Studio\2019\Community\Common7\IDE\Extensions\Microsoft\SSIS\160\MappingFiles\MSSQLToSSIS10.XML

Help

< Back

Next >

Finish

Cancel

SQL Server Import and Export Wizard

The execution was successful

Success

7 Total

0 Error

7 Success

0 Warning

Details:

Action	Status	Message
Initializing Data Flow Task	Success	
Initializing Connections	Success	
Setting SQL Command	Success	
Setting Source Connection	Success	
Setting Destination Connection	Success	
Validating	Success	
Saving	Success	

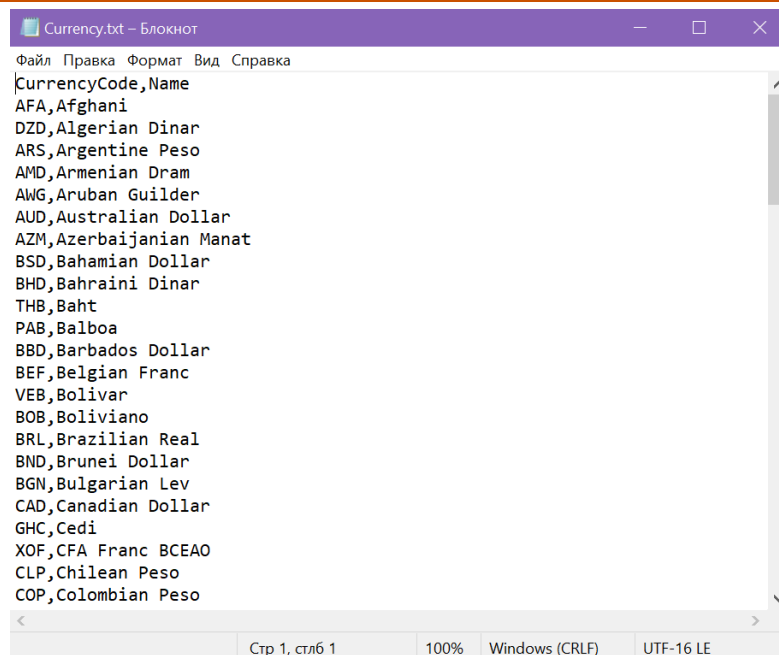
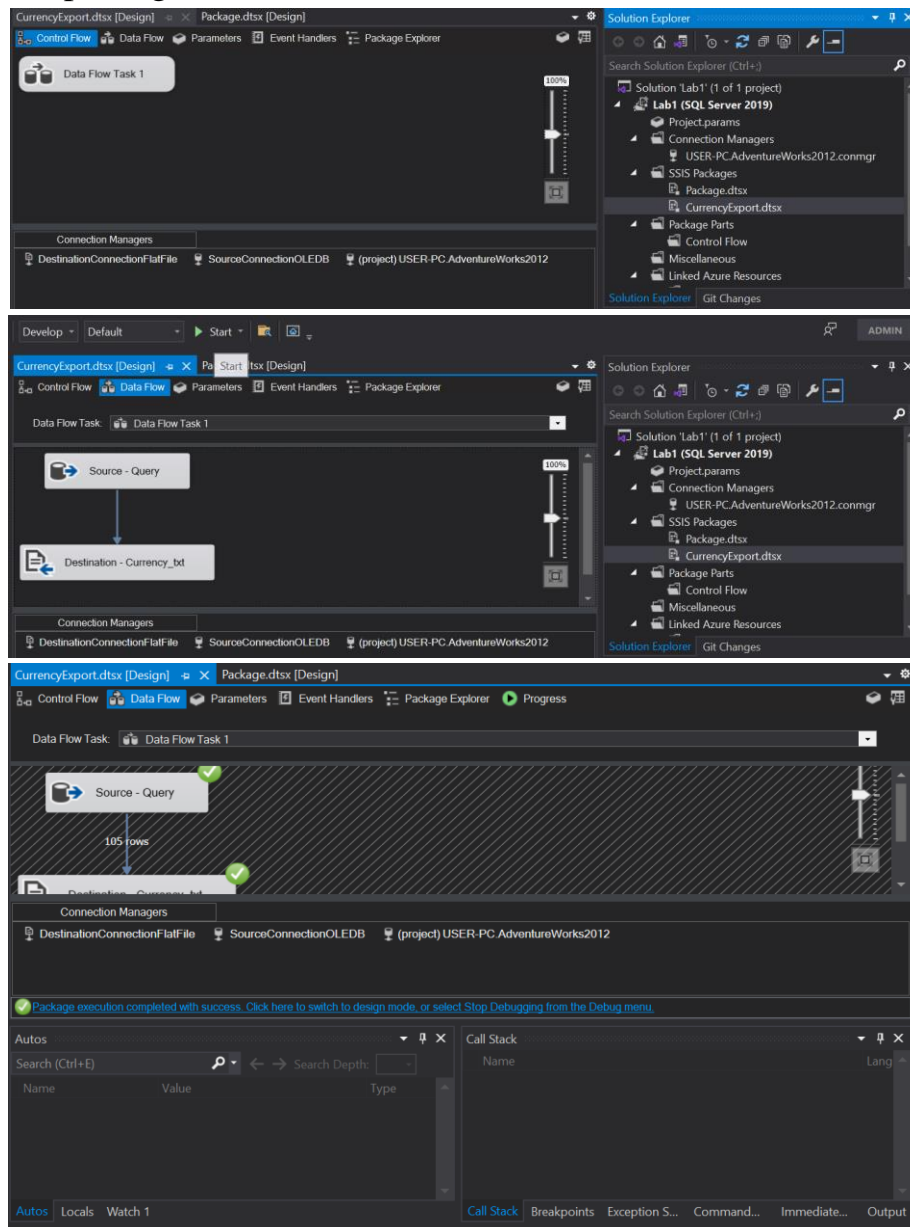
Stop

Report

Close

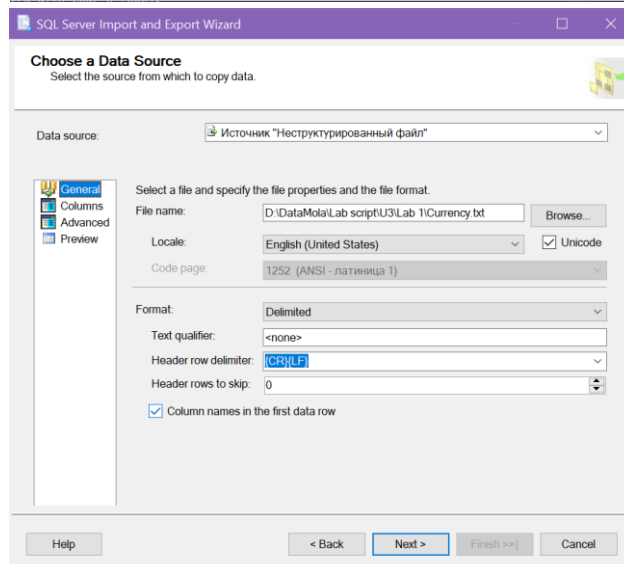
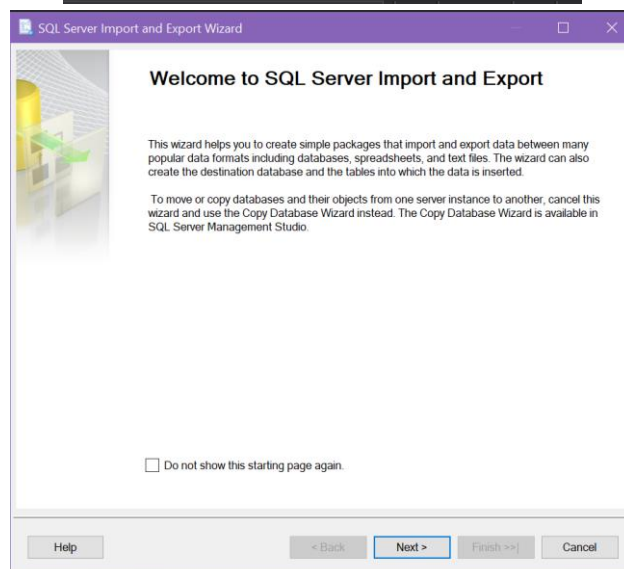
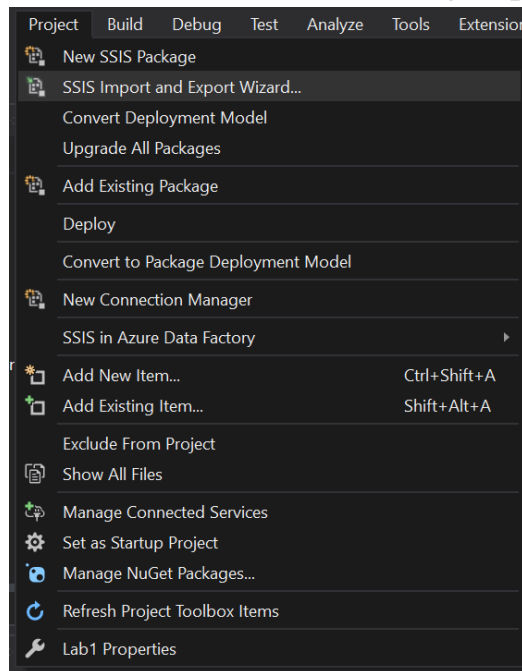
## Task 2 – Running an Integration Services Package

Run the package that was created in task 1:



## Task 3 – Import Data Using the Import and Export Wizard

Using the project created in the task 1 and doing import as:





Свойства канала передачи данных

Соединение Дополнительно Все

1. Select or enter a server name:  
USER-PC Refresh

2. Enter information to log on to the server:  
Windows Authentication

Server SPN:

User name:

Password:

☒ Blank password ☐ Allow saving password

☐ Use strong encryption for data ☐ Trust server certificate

3. ☒ Select the database: AdventureWorks2012

☐ Attach a database file as a database name:  
  
Using the filename:  ...

Change Password Test Connection

OK Отмена Справка

SQL Server Import and Export Wizard

Select Source Tables and Views  
Choose one or more tables and views to copy.

Tables and views:

Source	Destination
<input checked="" type="checkbox"/> D:\DataMola\Lab script\U3\Lab 1\Currency.txt	<input checked="" type="checkbox"/> [dbo].[Currency]

Edit Mappings... Preview...

Help < Back Next > Finish >> Cancel

SQL Server Import and Export Wizard

Complete the Wizard  
Verify the choices made in the wizard and click Finish.

Click Finish to perform the following actions:

Destination Location : USER-PC  
Destination Provider : MSOLEDBSQL

- Copy rows from D:\DataMola\Lab script\U3\Lab 1\Currency.txt to [dbo].[Currency]  
The new target table will be created.
- The package will be saved to the package file "D:\DataMola\Lab script\U3\Lab 1\Lab1\Package1.dtsx".
- The package will not be run immediately.

Provider mapping file : C:\Program Files (x86)\Microsoft Visual Studio\2019\Community\Common7\IDE\CommonExtensions\Microsoft\SSIS\160\MappingFiles\SSIS10ToMSSQL.XML

Help < Back Next > Finish Cancel

