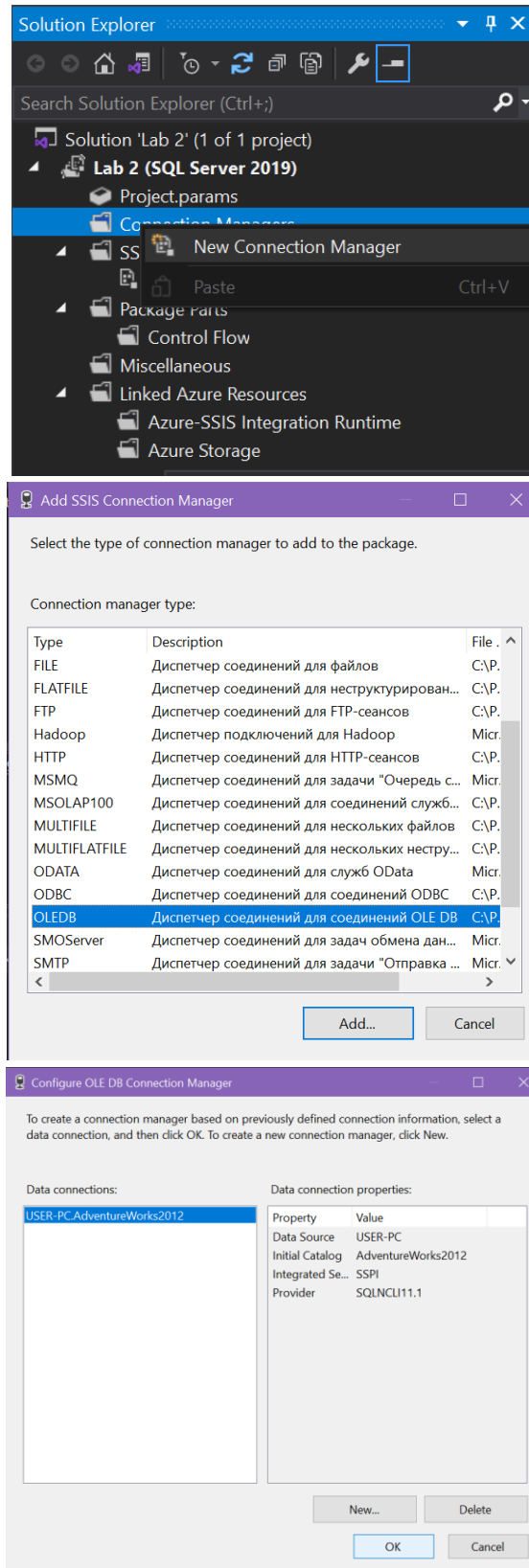


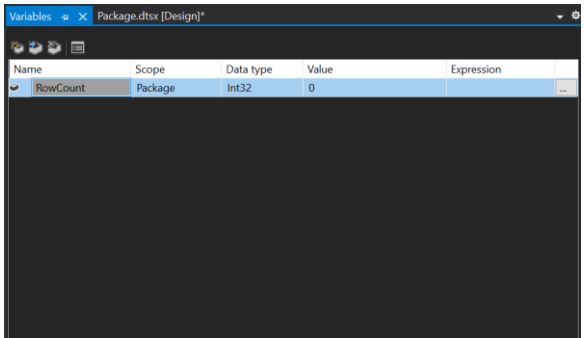
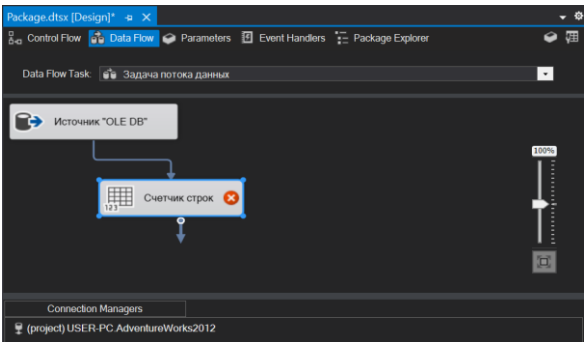
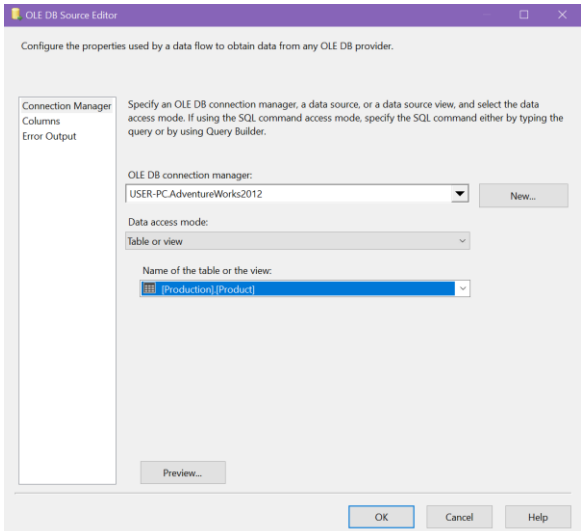
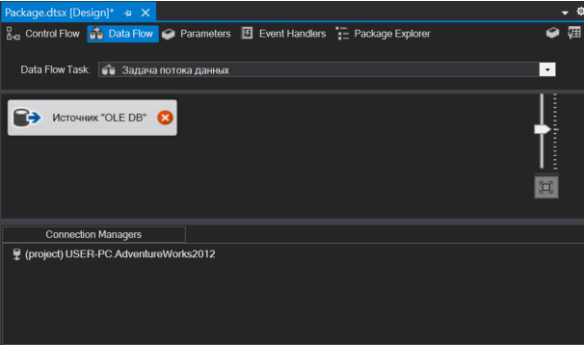
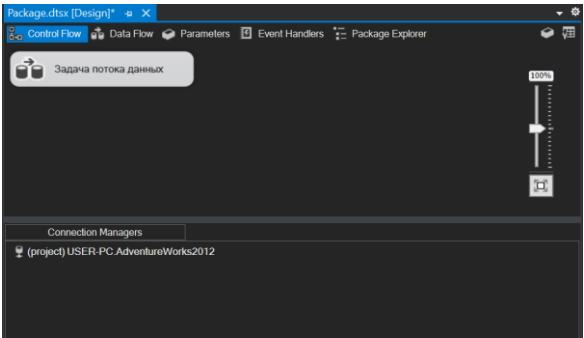
Lab report #2

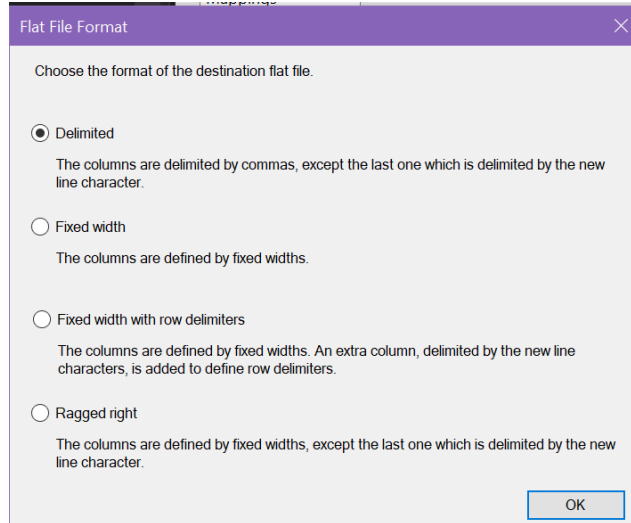
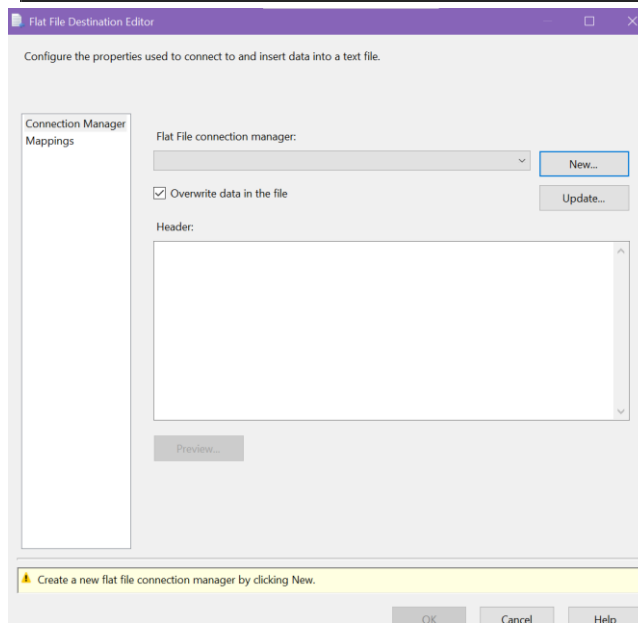
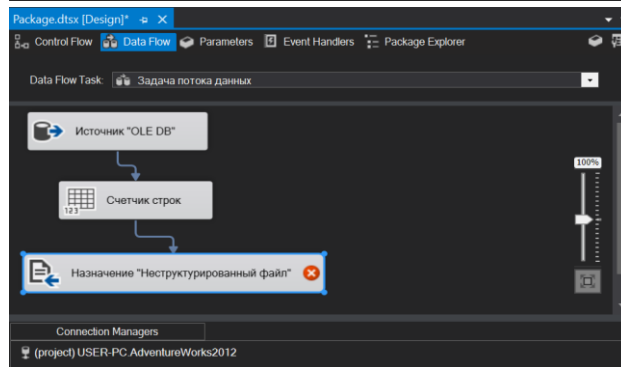
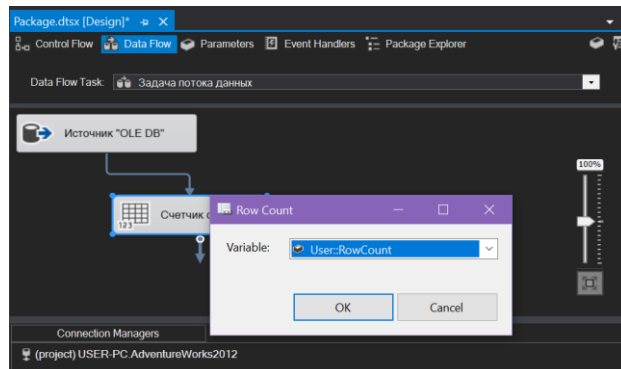
Sadovskaya Veronika

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

Task 1 – Creating an Integration Services Project and implementing a package







Flat File Connection Manager Editor

Connection manager name: Flat File Connection Manager

Description:

General

Columns

Advanced

Preview

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

File name: D:\DataMola\Lab script\U3\Lab 2(1)\ProduBrowse...

Locale: English (United States)Unicode

Code page: 1252 (ANSI - латиница 1)

Format: Delimited

Text qualifier: <none>

Header row delimiter: {CR}{LF}

Header rows to skip: 0

Column names in the first data row

OK

Cancel

Help

Package.dtsx [Design]*

Control FlowData FlowParametersEvent HandlersPackage Explorer

Executable: Package

Event handler: OnErrorDelete

Package

Executables

Задача потока данных

Event Handlers

nError event handler for executable 'Package'

ER-PC.AdventureWorks2012

Package.dtsx [Design]*

Control FlowData FlowParametersEvent HandlersPackage Explorer

Executable: Задача потока данных

Event handler: OnPostExecuteDelete

Script Task

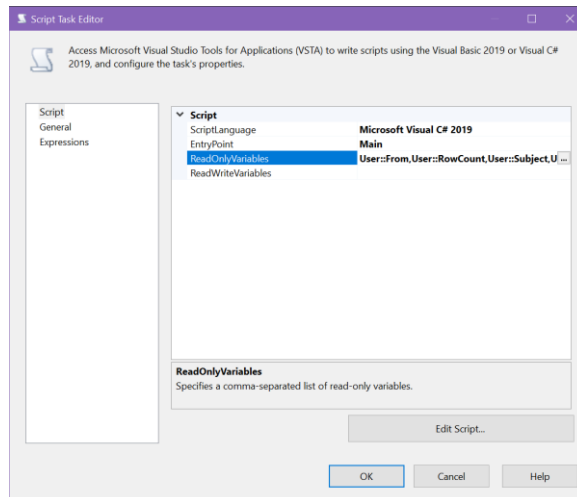
Script Task

Connection Managers

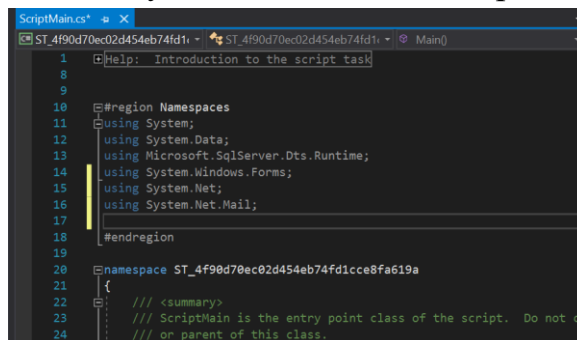
Flat File Connection Manager (project) USER-PC.AdventureWorks2012

VariablesPackage.dtsx [Design]*

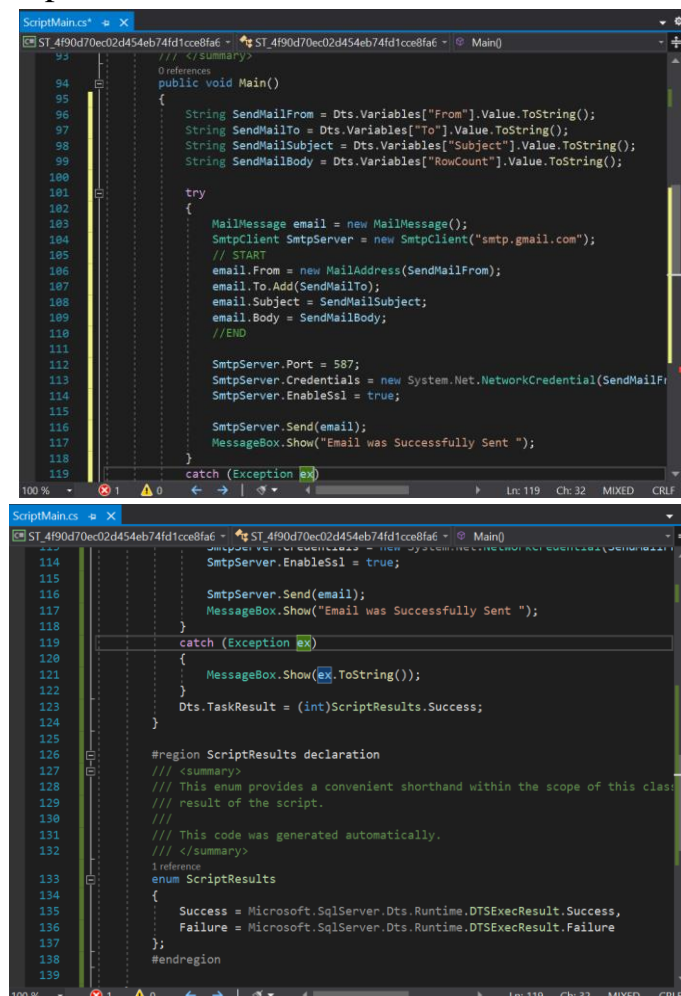
Name	Scope	Data type	Value	Expression
RowCount	Package	Int32	0	...
From	Package	String	sadovskaya.veronikaa@g...	...
To	Package	String	sadovskaya.veronikaa@g...	...
Subject	Package	String	RowCount	...



Add 'System.Net' and 'System.Net.Mail' namespaces:

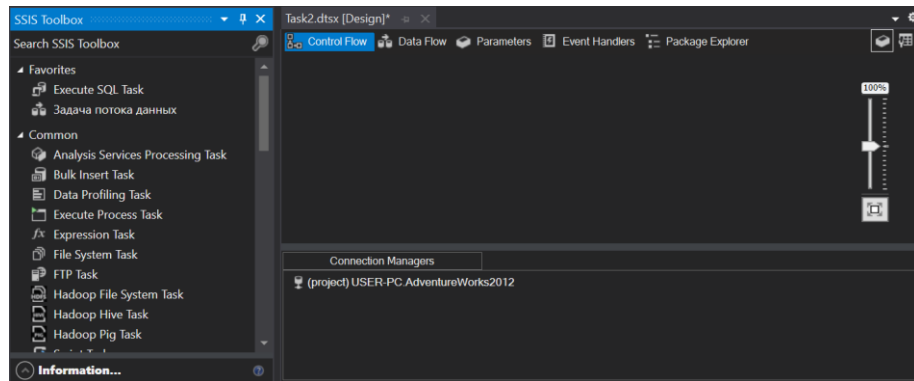


Write next script to send email:

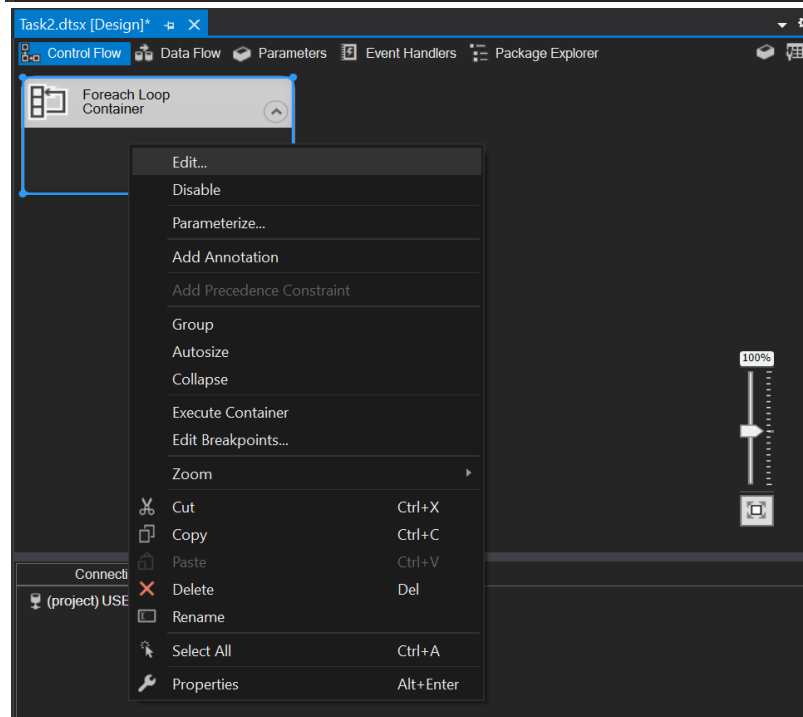
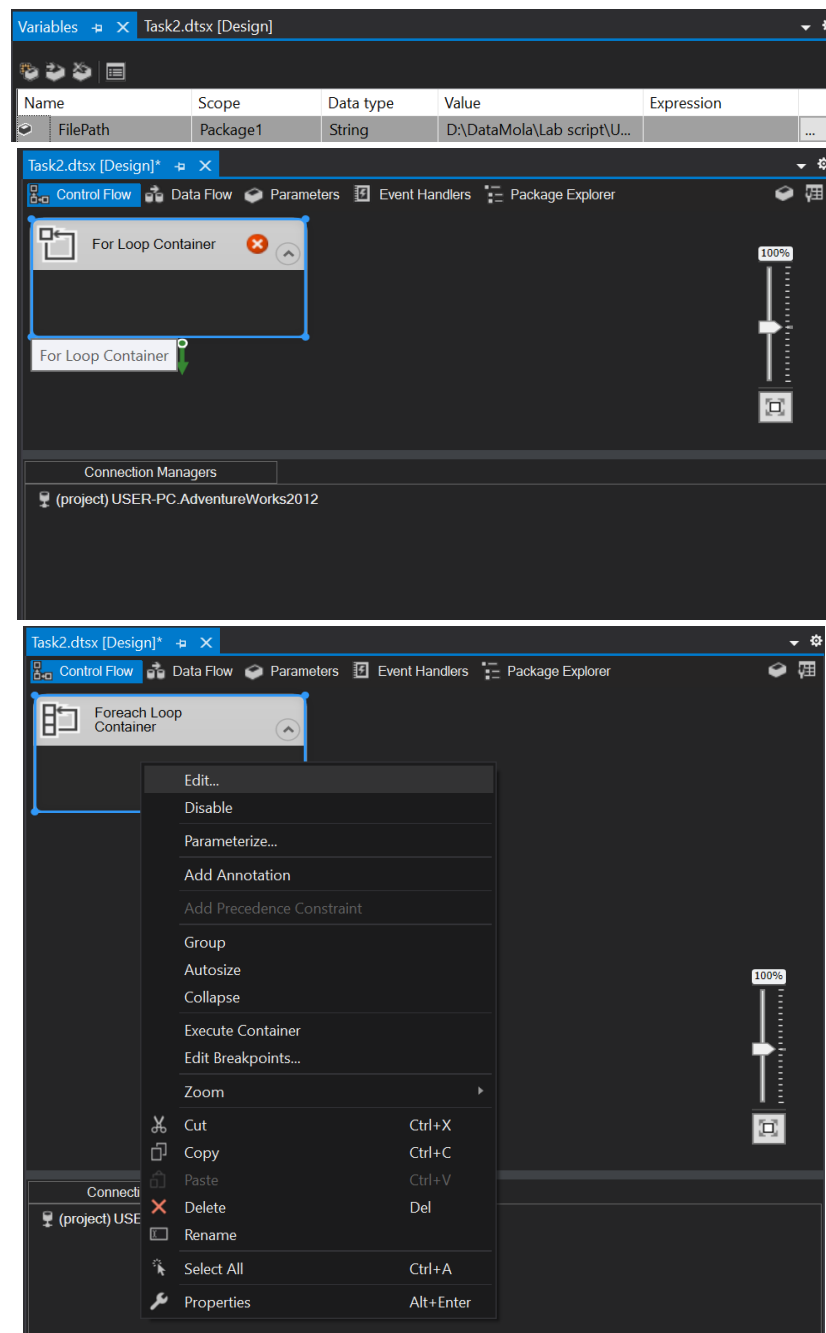


Task 2 – Creating a package to keep list of files from a directory

Create new package ‘Task 2’:



Add variable ‘FilePath’:



Foreach Loop Editor

The Foreach Loop container allows execution iteration over an enumeration.

General
Collection
Variable Mappings
Expressions

Foreach Loop Editor

Enumerator: **Перечислитель с циклом по каждому файлу**

Expressions

Enumerator
Specifies the enumerator type.

Enumerator configuration

Folder:
D:\DataMola\Lab script\U3\Lab 2\Task 2 Browse...

Files:
*.txt

Retrieve file name
☐ Name and extension ☒ Fully qualified ☐ Name only

☐ Traverse subfolders

OK Cancel Help

Foreach Loop Editor

The Foreach Loop container allows execution iteration over an enumeration.

General
Collection
Variable Mappings
Expressions

Select variables to map to the collection value.

Variable	Index
User::FilePath	0

Delete

OK Cancel Help

SQLQuery4.sql - US...USER-PC\user (68)) SQLQuery2.sql - US...U

```

USE [AdventureWorks2012]
GO
CREATE TABLE [dbo].[LOGS](
  id int,
  FileFullParh NVARCHAR(100),
  CreationTime DATETIME);

SELECT * FROM [dbo].[LOGS];

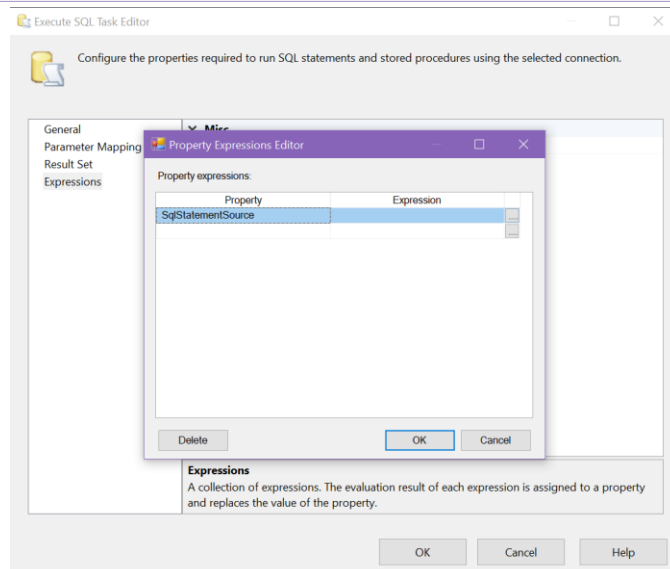
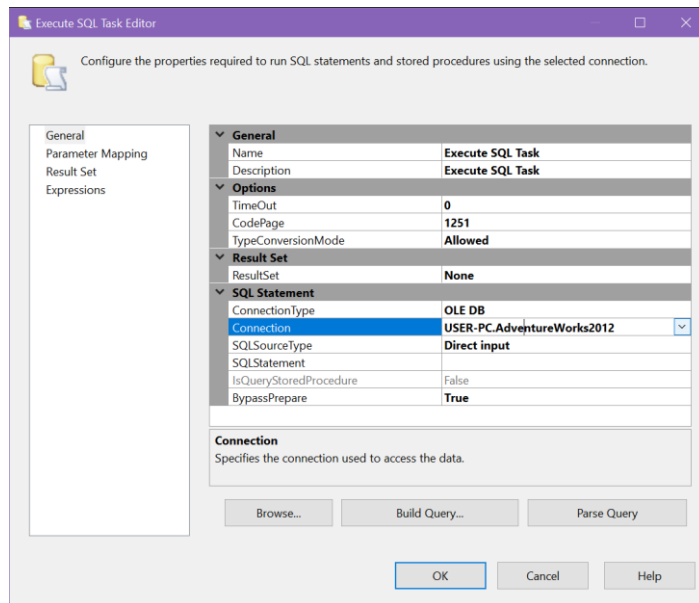
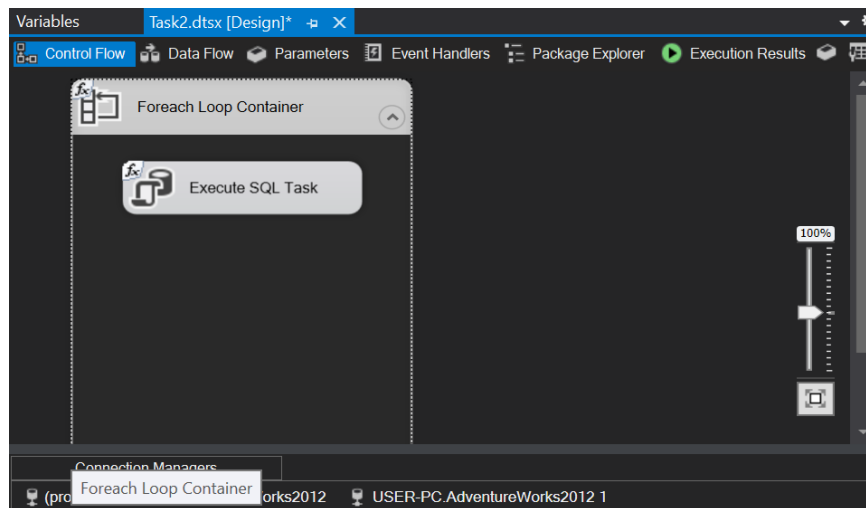
DROP TABLE [dbo].[LOGS];
  
```

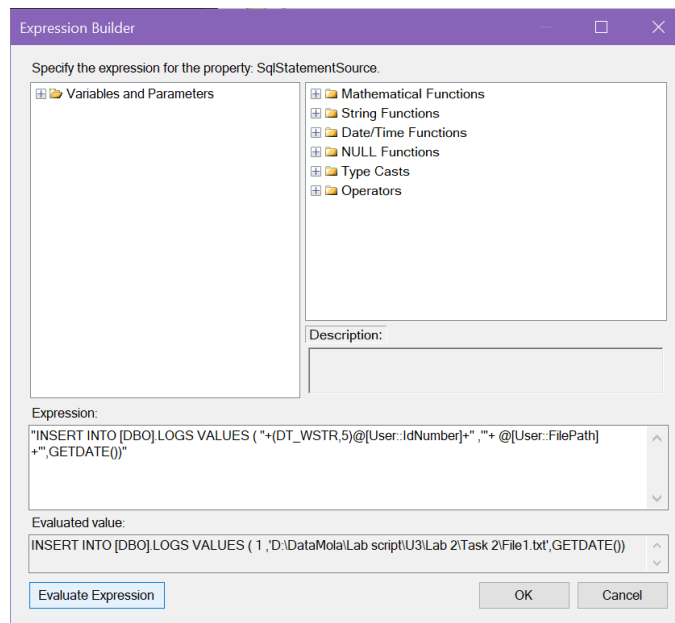
91 %

Messages

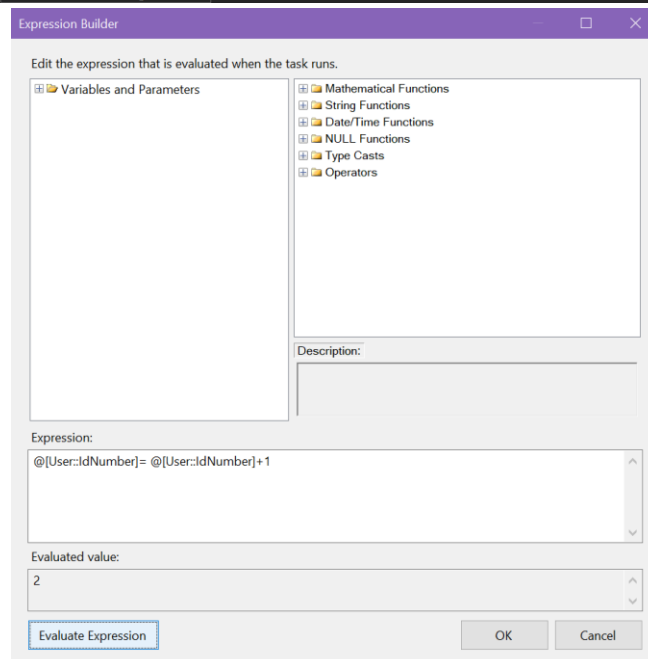
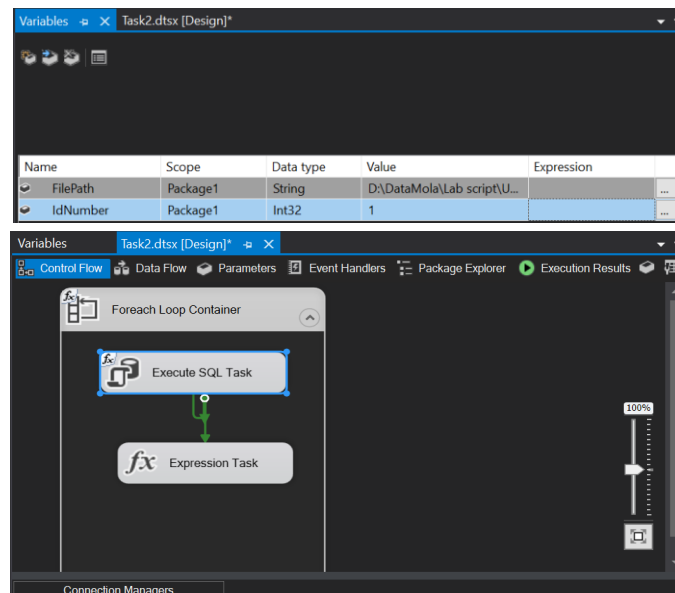
Commands completed successfully.

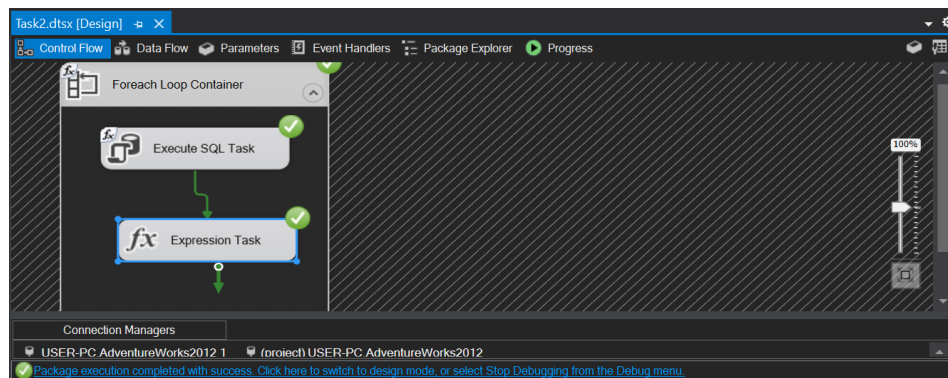
Completion time: 2022-08-26T13:56:51.6516024+03:00





Add variable IdNumber:





Compare result in dbo.LOGS and files in folder:

`SELECT * FROM [dbo].LOGS;`

91 %

Results Messages

	id	FileFullParh	CreationTime
1	1	D:\DataMola\Lab script\U3\Lab 2\Task 2\File1.txt	2022-08-26 13:25:26.417
2	2	D:\DataMola\Lab script\U3\Lab 2\Task 2\File2.txt	2022-08-26 13:25:26.433
3	3	D:\DataMola\Lab script\U3\Lab 2\Task 2\File3.txt	2022-08-26 13:25:26.443
4	4	D:\DataMola\Lab script\U3\Lab 2\Task 2\File4.txt	2022-08-26 13:25:26.450

« D (D:) > DataMola > Lab script > U3 > Lab 2 > Task 2

Имя	Дата изменения	Тип
File1.txt	25.08.2022 21:09	Текстовый документ
File2.txt	25.08.2022 21:10	Текстовый документ
File3.txt	25.08.2022 21:11	Текстовый документ
File4.txt	25.08.2022 21:12	Текстовый документ