

Module 3: SSIS (Transactions, Error Handling)

Assignment Solution

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Solution

Following are the steps :

1. Write SQL script for OLE DB Source.

```
CREATE TABLE ASSIGNMENTTEST(ID INT, ASSIGNMENT VARCHAR(10))  
INSERT INTO ASSIGNMENTTEST(ID, ASSIGNMENT)  
VALUES (1, 'A,B,C'), (2, 'D,E,F'), (3, 'G,H'), (4, 'I,J,K'), (5, 'L,M')  
SELECT * FROM ASSIGNMENTTEST
```

2. SQL script for OLE DB Destination

```
CREATE TABLE ASSIGNMENT(ID INT, ASSIGNMENT VARCHAR(10))  
SELECT * FROM ASSIGNMENT
```

3. Check for the Table

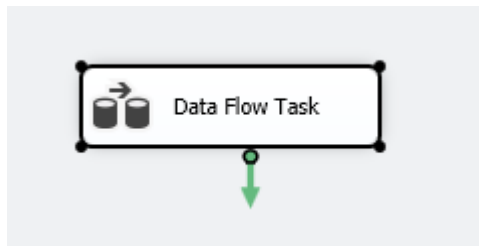
```
SELECT * FROM ASSIGNMENTTEST
```

100 %

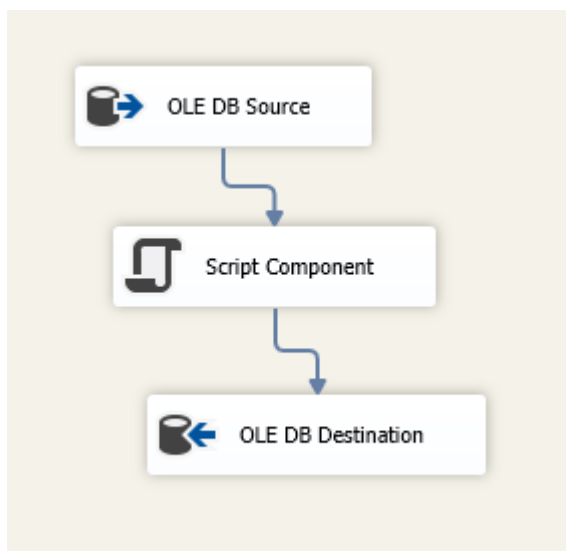
Results Messages

	ID	ASSIGNMENT
1	1	A,B,C
2	2	D,E,F
3	3	G,H
4	4	I,J,K
5	5	L,M

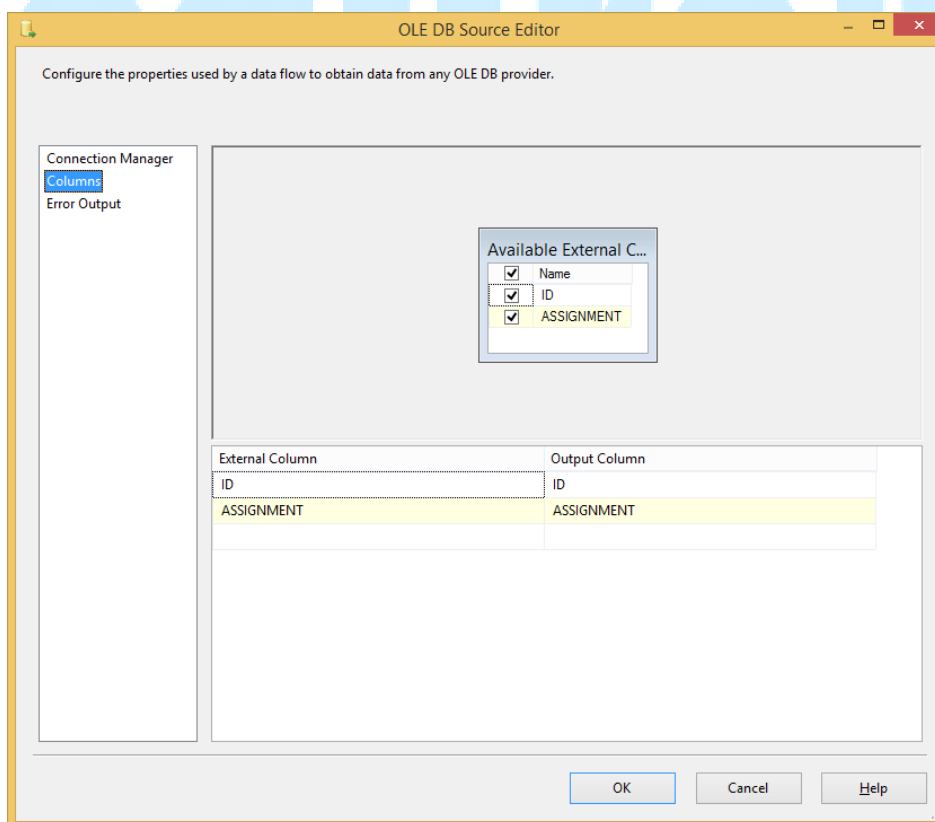
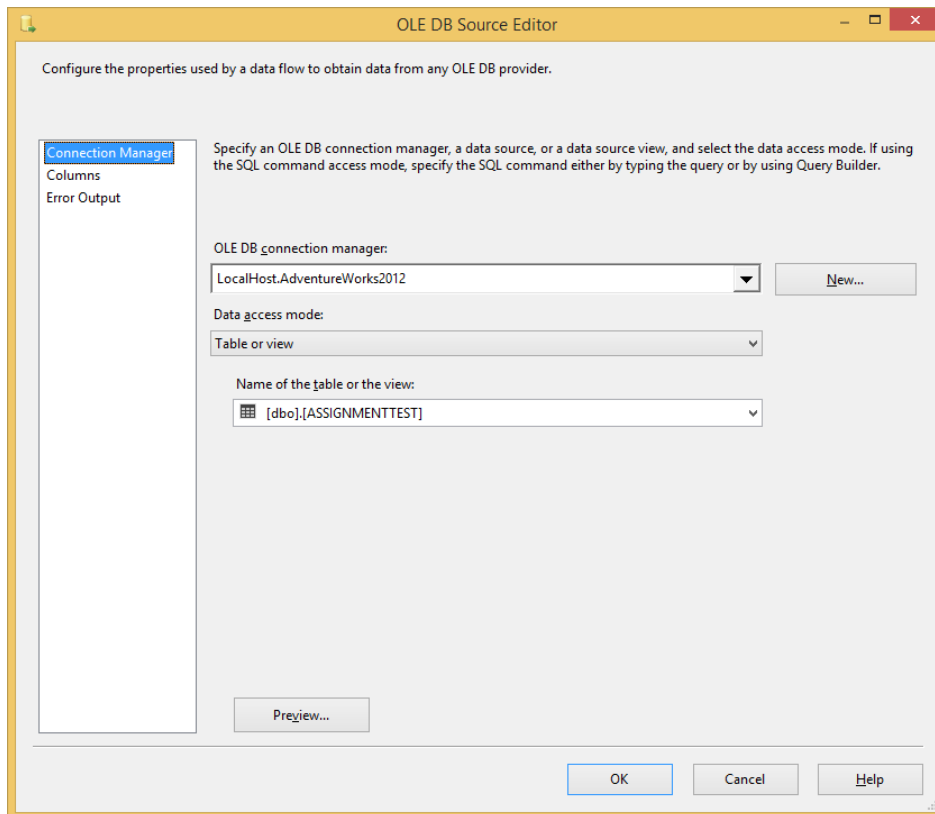
4. Drag and drop the Data Flow Task on Control Flow area



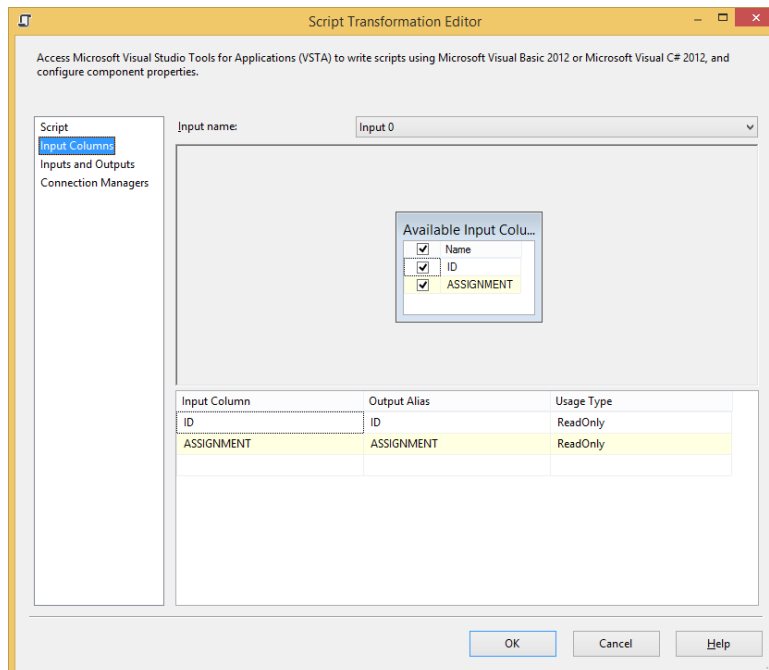
5. Drag and Drop the OLE DB Source, Script Component and OLE DB Destination for our requirement. Explained step by step process in next slides



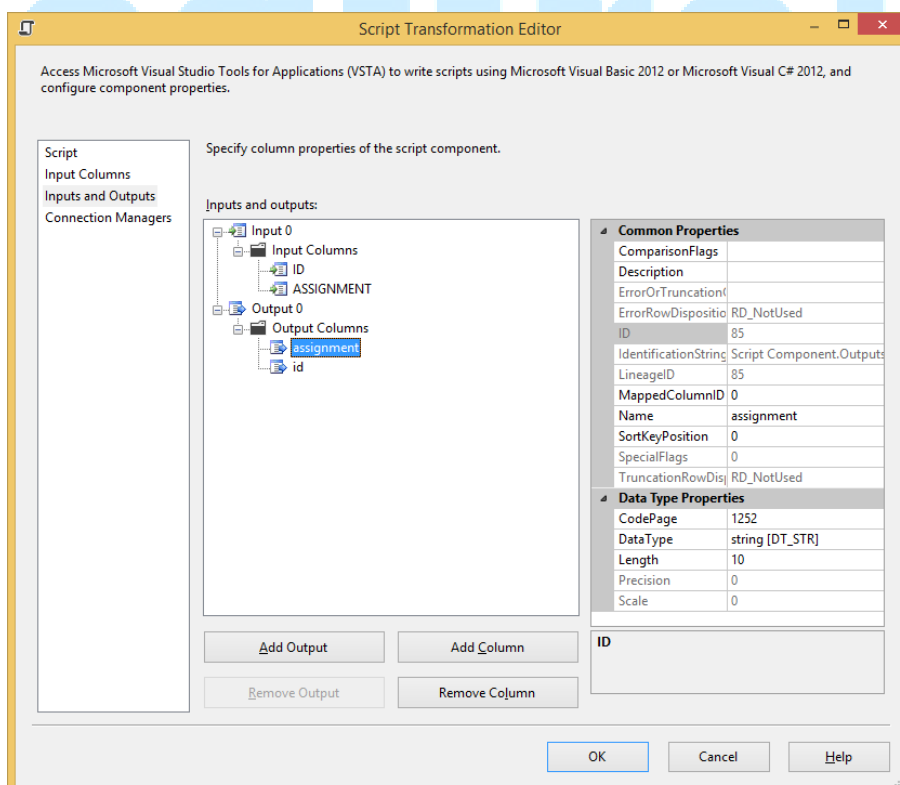
6. **OLE DB Source:** Double click on OLE DB Source
Connection Manager: select the connection from Connection Manager
Columns: select all columns



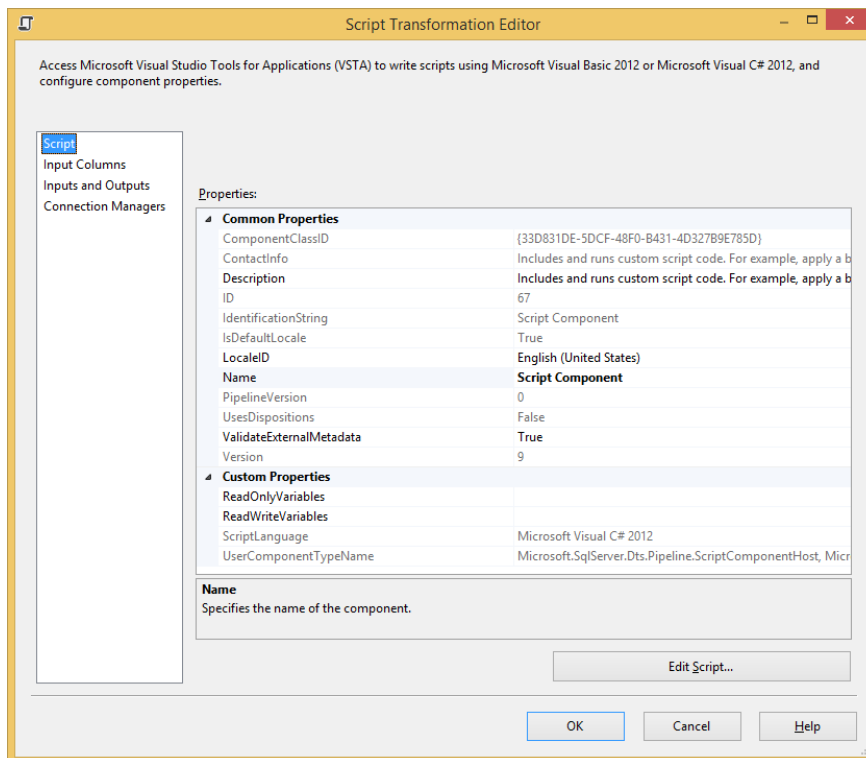
- Double click on Script Component and It will open the properties .Then Go to Input Columns and select all if not selected



- Go to the Inputs and Outputs, Create id and assignment columns as shown



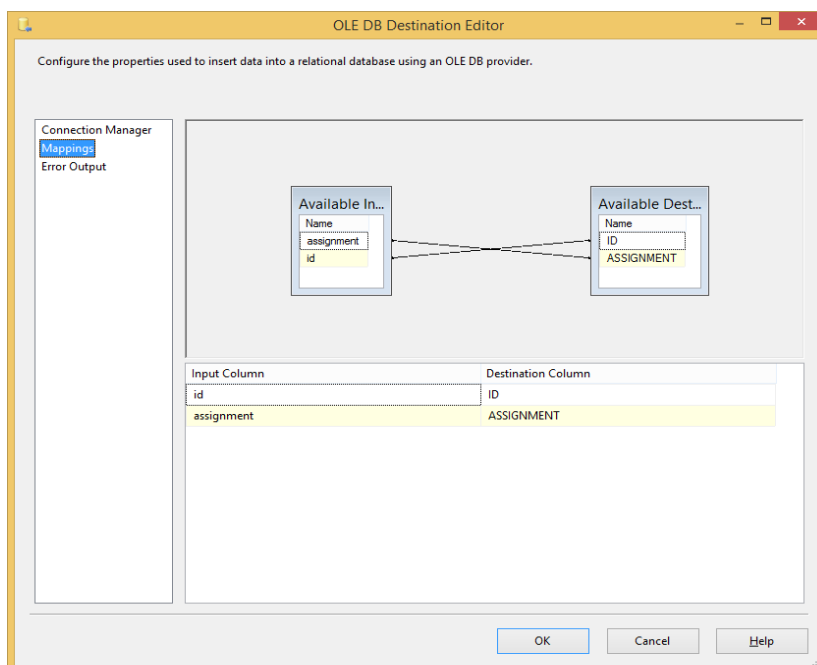
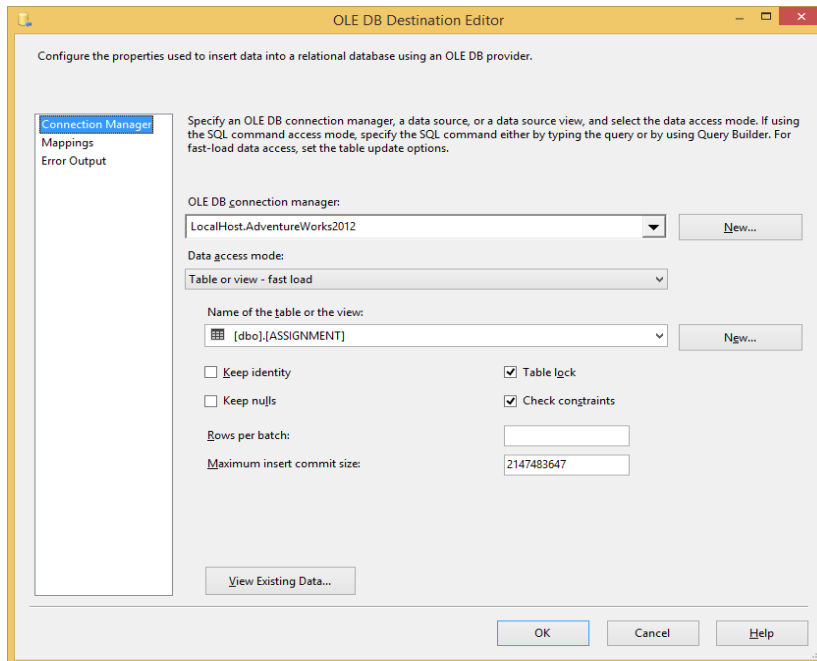
- Next, Go to Script tab and click on Edit Script button then it will open the Visual Studio editor



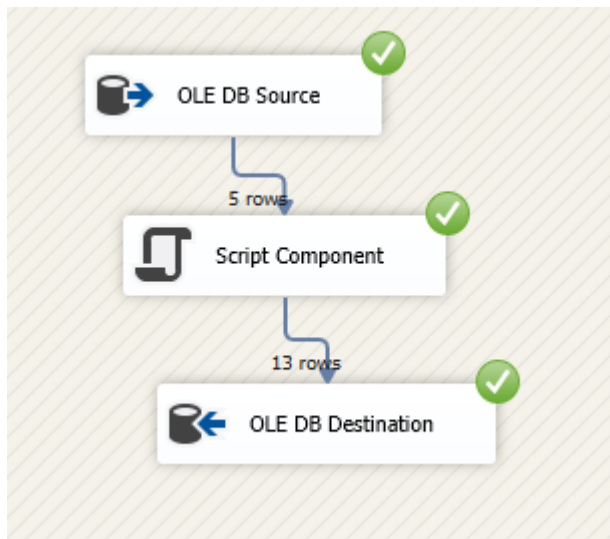
- Write the following code in Visual Studio editor in given method

```
public override void Input0_ProcessInputRow(Input0Buffer Row)
{
    int id = Row.ID;
    string assignments = Row.ASSIGNMENT;
    string delimiter = ",";

    if (!string.IsNullOrEmpty(assignments))
    {
        string[] assignment = assignments.Split(new string[] { delimiter }, StringSplitOptions.RemoveEmptyEntries);
        foreach (string assign in assignment)
        {
            Output0Buffer.AddRow();
            Output0Buffer.id = Row.ID;
            Output0Buffer.assignment = assign;
        }
    }
}
```

11. OLE DB Destination: Double click on OLE DB Destination**Connection Manager:** select the connection from Connection Manager and table**Columns:** select all columns

12. Press F5 and see the output of the package



SELECT * FROM ASSIGNMENT

100 %

	ID	ASSIGNMENT
1	1	A
2	1	B
3	1	C
4	2	D
5	2	E
6	2	F
7	3	G
8	3	H
9	4	I
10	4	J
11	4	K
12	5	L
13	5	M