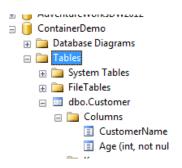
SSIS- Sequence containers

In this lab

- We will group multiple tasks into one.
- Then we will make them execute in transaction.

Step 1: Prepare Database

Create a database called ContainerDemo and a table called Customer as follows in the SQL Server



Step 2: Create Integration services project

Create new SSIS project using SQL Server Data tools.

Step 3: Add Connection Managers

Add Ado.net Connection manager and connect it to ContainerDemo database

Step 4: Add Container

Add sequence container in control flow.

Step 5: Add Execute SQL Task

- 1. Create three "Execute SQL Task" inside sequence container.
- 2. Set ConnectionType as ADO.NET for all three of them.
- 3. Set connection to one created in step no 3 for all three of them.
- 4. Set SQLSourceType to DirectInput for all three of them.
- 5. Set SqlStatement to
- a. insert into Customer values('A',55) for first task
- b. insert into Customer values('B',60) for second one
- c. insert into Customer values('C','CC') for third one

Note:

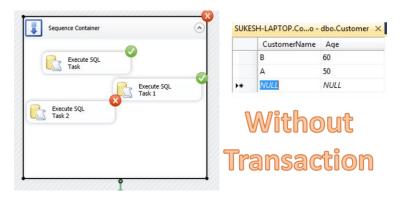
Third query will leads to error because Age is integer and we are passing string.

SSIS- Sequence containers

• Don't connect three tasks inside sequence container using precedence constraints. Let them execute in parallel.

Step 6: Execute and Test

Press F5 and Test the application.



Step 7: Enable Transaction

- 1. Right click Sequence container and select properties
- 2. In the property window set value of TransactionOption property to "Required"

Step 8: Execute and Test

Press F5 and test the application

Note: Make sure to delete all the exiting records from the table before you execute so that you get a clear picture of record insertion without any confusion.

