

SSIS Lab

Note: Attach ITI to your DB Server and then Create New DB "Test"

Design the Following SSIS Packages:

- 1- Use wizard to Design SSIS Package to transfer Department data From [ITI DB] to [Test Db].

Note "before transferring data to [Test db] try to truncate table department"
- 2- Use wizard to Design SSIS Package to transfer Student data (St_id, St_Fname, St_Lname, St_address) From [ITI DB] to new Delimited file "Student.txt" and set columns name as a first row in the file.
- 3- Design SSIS Package to transfer Student data from [ITI DB] to [Test DB] with the following Criteria:
 - a- If table Student Exists in [Test DB] delete all data. Use[Execute SQL Task Component]
 - b- Merge the first name and last name to be one field [Full name].use[Derived Column Component]
 - c- Make a full backup for [Test DB]
 - d- On error display message box "error occurred"
- 4- Design SSIS Package to Split Course data from [ITI DB] into 3 files with the following criteria:
 - a- Select Course data with topic name From ITI DB
 - b- Sort Course data by Crs_name Descending. use [Sort Component]
 - c- Crs_name should appear in lower case. Use [Character Map Component]
 - d- Split Course data into 3 files:
 - i. File1.txt contains Course data with Course Duration<30 hours.
 - ii. File2.txt contains Course data with Course Duration=30 hours.
 - iii. File3.txt contains Course data with Course Duration>30 hours.

Note: set columns name as first row in the files

- 5- try to merge the file1.txt and file2.txt to be one file:
 - a- Use [Merge Component]. "Sort by Crs_name"
 - b- Use [Union Component]