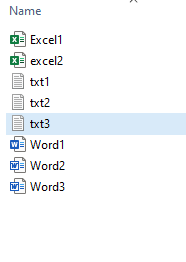
**SSIS EXERCISE**

1. Create a simple package to identify the all the tables having the column ‘Region’, then update those tables with Null Region. All Null regions should be updated as ‘Unknown’.

Hint:

1. Supplier, Employees, and customers have Region columns
2. Use only Control Flow task. No Data flow task.

1. Create a package to identity the file type and move to their respective folder. For this exercise create a sample folder as per the below screen shot



Need to move these files in to their respective file type folder. Final output should be like below screenshot, with files moved to respective folder. Folder should be created through SSIS and not manually.

Graphical user interface, application

Description automatically generated

1. Same as Question 1. Twist here is only certain tables should be updated based on the day you are running the package.

To Explain further. If package runs on Monday and Wednesday, only Customer table should get updated.

If package runs on Tuesday and Thursday only Employee table should get updated

On Friday only Supplier table should get updated.

All Null regions should be updated as ‘Unknown’ + name of day (eg: UnknownFriday).

1. Use the same script of Question 10 and tell the number of row count it returns as message.
2. Use the below excels. Export data present in the excels to SQL server database tables (one table for each excel). Design destination tables with correct datatype for the columns.



1. Create a package to get transfer the data from the table [FactResellerSales] to multiple destinations. Consider two destinations one as Excel and another one as Txt/CSV
2. Use the Employees table and load into different destination table, Consider keeping name as “Employee Modified”. The modified table should have a below columns

FirstName in Upper Case

Full Name – Concat of FirstName and LastName.

1. Use the below text file as source and load it into a destination table. Name table as “CusomDelimitCustomer”



1. Use the below text file as one of the source. Text file provided in the Que 8 should be considered as an another source. We need to use DFT and required transformations to Insert the new records from Cust1.txt in to “CustomDelimitCustomer” table and update the existing records.



Hint: Sort,MergeJoin and ConditionSplit transformation can be used. You are also free to use any other type of transformations as per your ideas.

1. Use the below SQL script as source

SELECT [EnglishCountryRegionName]

,[StateProvinceName]

,[City]

,[PostalCode]

,RESELLER.[UnitPrice]

,RESELLER.[ProductStandardCost]

,RESELLER.[TotalProductCost]

,RESELLER.[SalesAmount]

,RESELLER.[TaxAmt]

FROM [DimGeography]

INNER JOIN

[FactResellerSales] AS RESELLER ON

[DimGeography].[SalesTerritoryKey] = RESELLER.[SalesTerritoryKey]

We need to group the data based on EnglishCountry, StateProvince and City and load the data in the respective tables. Destination tables should be named as “GroupbyCountry” ,”GroupbyState”,”GroupbyCity”.

 Calculation should be based on Sum of Unit Price, Sum of Product Standard Cost, Average of Total Product Cost, Minimum of Sales Amount, and Maximum of Tax Amount. And Group by English Country Region then by State Province Name.