1.Create a new SSIS package called MYSIS.

**2.** Create a new OLE DB Connection Manager that connects to your AdventureWorks2012/AdventureWorks

database.

**3.** Drag a Data Flow Task onto the design pane and call the new task **DFT - Aggregate Data**.

**4.** In the Data Flow tab, drag a new OLE DB Source onto the Data Flow design pane and name

it **OLE SRC – TransactionHistory**.

Double-click the OLE DB Source and change the OLE DB Connection Manager option to

your only connection manager. Change the Data access mode to SQL Command and type the

following query into the SQL Command text box:

SELECT

TransactionID, ProductID, TransactionDate,

TransactionType, Quantity, ActualCost, ModifiedDate

FROM Production.TransactionHistory

**6.** Drag an Aggregate Transform onto the design pane and connect it to the OLE DB Source.

Rename the transform **AG – Roll up data**.

**7.** Open the Aggregate Transformation Editor by double-clicking the new transform and check

the ProductID, TransactionDate, Quantity, and ActualCost columns.

**8.** Change the Output Alias column for each of the checked columns. Change the alias to

LastTransactionDate for the TransactionDate column. Change the Quantity column to

TotalQuantity, and ActualCost to TotalCost.

**9.** In the Operation column, change ProductID to Group by, LastTransactionDate to

Maximum, TotalQuantity to Sum, and TotalCost to Sum, Back in the designer, drag a Flat File Destination onto the design pane and connect it to the

Aggregate Transform. Rename the connection **FF DST – Create Extract**.

**11.** Open the Flat File Destination and click New to create a new Flat File Connection Manager.

When prompted, select Delimited (separated by a given symbol).

**12.** Name the connection manager **Extract**. Place the file wherever you’d like and check the

Column names in first data row option.

**13.** Go to the Mappings page and click OK.

**14.** Execute the package

For Sorting

Click the Data Flow tab and delete the precedence constraint between the Aggregate

Transform and the Flat File Destination.

**3.** Drag a Sort Transform into the Data Flow and connect it between the Aggregate Transform

and the Flat File Destination.

**4.** Open the Sort Transformation Editor, select TotalQuantity to sort by, and change the Sort

Type to descending, Then click OK.

**5.** Now execute the package. 5. The flat file has

now been repopulated sorted by TotalQuantity in descending order.