## **Designing ETL Package for multiple transformation in SSIS**

**Source**: Flat File

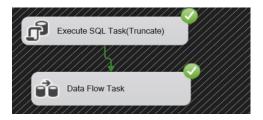
**Destination**: Microsoft SQL server Management

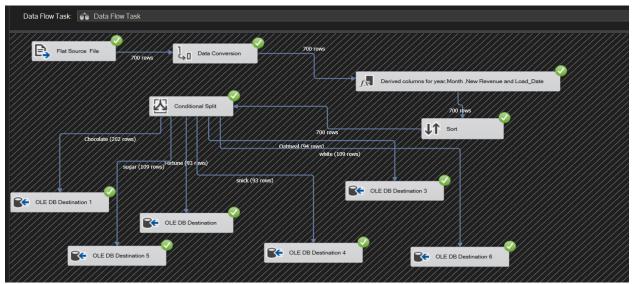
## Activities:

- 1. Truncate the tables.
- 2. Data type transformation
- 3. Derived column transformations:
  - Add a new derived column Sold\_year, sold\_month , New\_Revenu and Load\_date.
  - If the Product type is Chocolate Chips, the new revenue will be 2 \* the old revenue else put the old revenue as its.
- 4. Sorting transformations:
  - Sort the data based on Revenue in descending order.
- 5. Conditional split transformation
  - Load the data to different table based on the following unique product name.

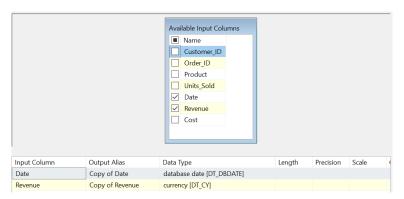
Chocolate Chip		
Fortune Cookie		
Oatmeal Raisin		
Snickerdoodle		
Sugar		
White Chocolate Macadamia Nut		

## **Solution:**





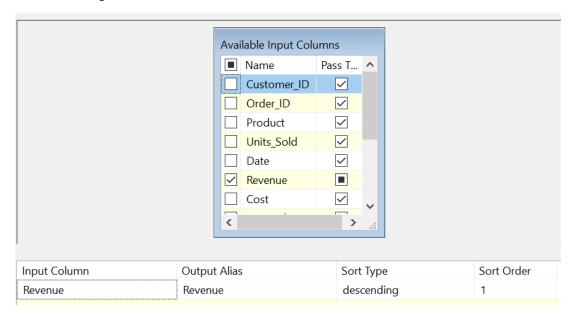
• Data type transformation:



• Derived column transformations:

Derived Column Name	Derived Column	Expression
sold_year	<add as="" column="" new=""></add>	YEAR((DT_DBDATE)Date)
sold_month	<add as="" column="" new=""></add>	MONTH((DT_DBDATE)Date)
New_Revenue	<add as="" column="" new=""></add>	(Product == "Chocolate Chip") ? (2 * (DT_I4)Revenue) : (DT_I4)Revenue
Load_Date	<add as="" column="" new=""></add>	GETDATE()

• Sorting transformations:



• Sample result after loading the data to SQL server with having a total of 6 table:

