

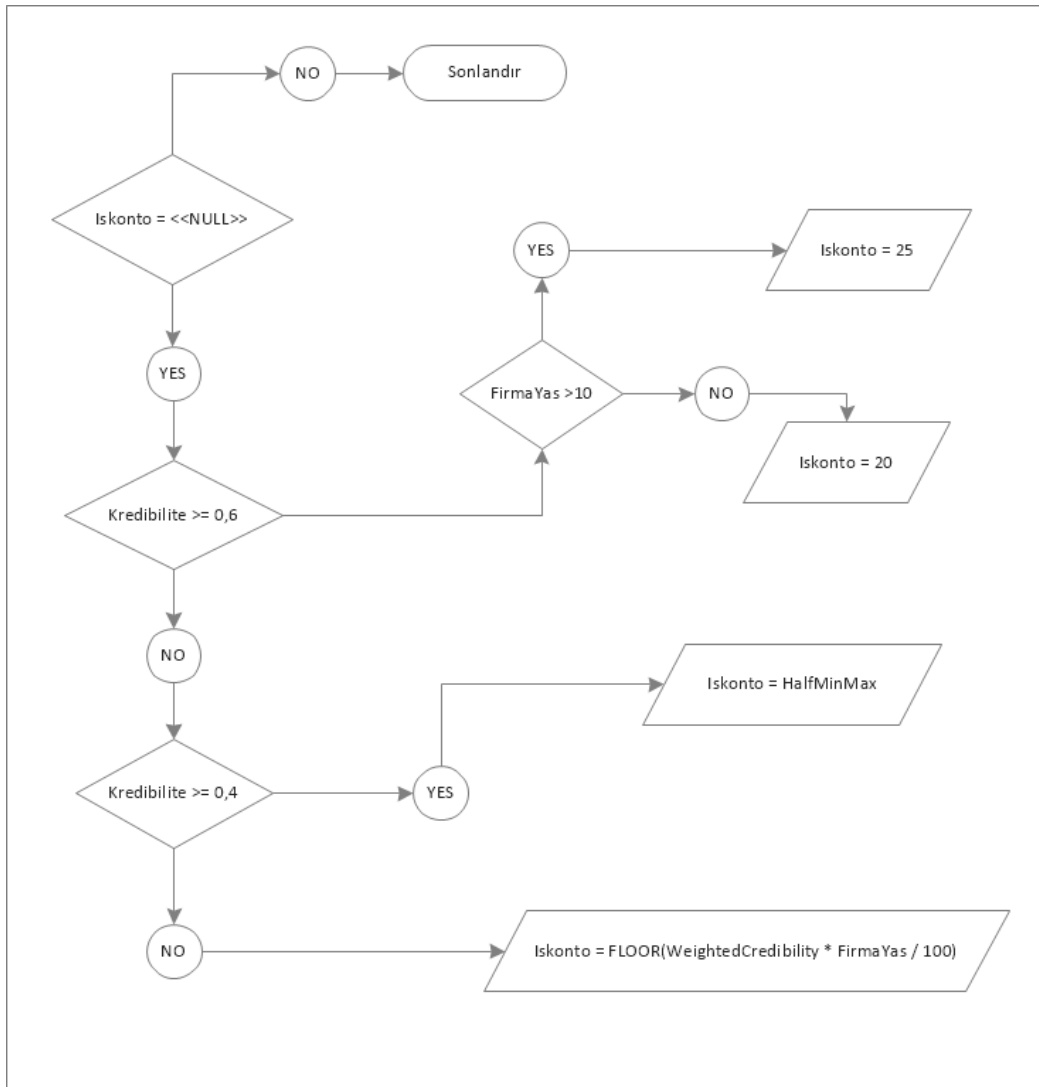
# ISE302 – Proje Ödevi

**FirmaData** isimli Excel dosyasında, bulunan firmaların **Iskonto** alanındaki <<NULL>> değerleri aşağıda verilen algoritmaya uygun şekilde doldurunuz.

## Değişkenler

Değişken	SSIS Kod Dosyası (İlgili Dosyadaki Kodu Kullanabilirsiniz)	Bağlam
<b>FirmaYas</b>	CalculateFirmaYas.TXT	Derived Column
<b>WeightedCredibility</b>	CalculateWeightedCredibility.SQL	SSIS Variable
<b>HalfMinMax</b>	CalculateHalfMinMax.SQL	SSIS Variable

## Doldurma Algoritması



## FirmaData Güncellenmeden Önce & Sonra

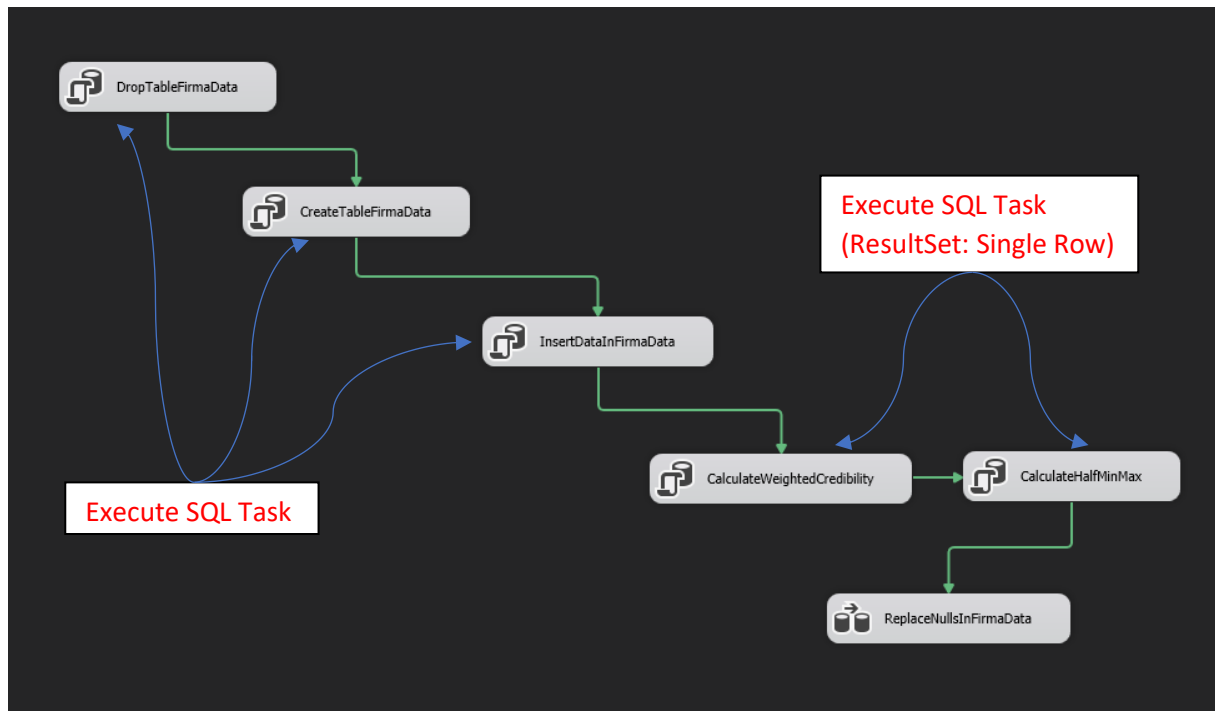
SelectDataBeforeU...SEDW (TTU\TT (53))					
<pre>SELECT TOP (1000) [FirmaKod] , [Sehir] , [KurulusTarihi] , [Kredibilite] , [Iskonto] FROM [ISEDW].[dbo].[FirmaData]</pre>					
121 %					
Results	Messages				
FirmaKod	Sehir	KurulusTarihi	Kredibilite	Iskonto	
100	İstanbul	2009-06-07 00:00:00	100	30	
101	Ankara	2005-02-10 00:00:00	20	NULL	
102	İstanbul	2011-08-07 00:00:00	70	NULL	
103	Sakarya	2008-10-29 00:00:00	70	NULL	
104	Kocaeli	2009-05-18 00:00:00	0	0	
105	Bursa	2016-09-24 00:00:00	60	NULL	
106	Bolu	1999-03-19 00:00:00	40	NULL	
107	Sakarya	2016-04-10 00:00:00	60	NULL	
108	İstanbul	2013-04-17 00:00:00	100	30	
109	İstanbul	2007-05-29 00:00:00	50	NULL	
110	Ankara	2008-11-24 00:00:00	10	NULL	
111	Gümüşhane	1997-07-17 00:00:00	100	30	
112	Antalya	2012-03-27 00:00:00	80	NULL	
113	Kayseri	1996-05-28 00:00:00	30	NULL	
114	Ankara	2006-01-02 00:00:00	50	NULL	
115	Düzce	2017-06-26 00:00:00	100	30	
116	Sakarya	2015-01-02 00:00:00	10	NULL	
117	İstanbul	2004-08-24 00:00:00	10	NULL	
118	İstanbul	1998-10-18 00:00:00	60	NULL	

SelectDataAfterUp...SEDW (TTU\TT (56))					
<pre>SELECT TOP (1000) [FirmaKod] , [Sehir] , [KurulusTarihi] , [Kredibilite] , [Iskonto] FROM [ISEDW].[dbo].[FirmaData]</pre>					
121 %					
Results	Messages				
FirmaKod	Sehir	KurulusTarihi	Kredibilite	Iskonto	
100	İstanbul	2009-06-07 00:00:00	100	30	
101	Ankara	2005-02-10 00:00:00	20	7	
102	İstanbul	2011-08-07 00:00:00	70	20	
103	Sakarya	2008-10-29 00:00:00	70	25	
104	Kocaeli	2009-05-18 00:00:00	0	0	
105	Bursa	2016-09-24 00:00:00	60	20	
106	Bolu	1999-03-19 00:00:00	40	15	
107	Sakarya	2016-04-10 00:00:00	60	20	
108	İstanbul	2013-04-17 00:00:00	100	30	
109	İstanbul	2007-05-29 00:00:00	50	15	
110	Ankara	2008-11-24 00:00:00	10	5	
111	Gümüşhane	1997-07-17 00:00:00	100	30	
112	Antalya	2012-03-27 00:00:00	80	20	
113	Kayseri	1996-05-28 00:00:00	30	11	
114	Ankara	2006-01-02 00:00:00	50	15	
115	Düzce	2017-06-26 00:00:00	100	30	
116	Sakarya	2015-01-02 00:00:00	10	2	
117	İstanbul	2004-08-24 00:00:00	10	7	
118	İstanbul	1998-10-18 00:00:00	60	25	

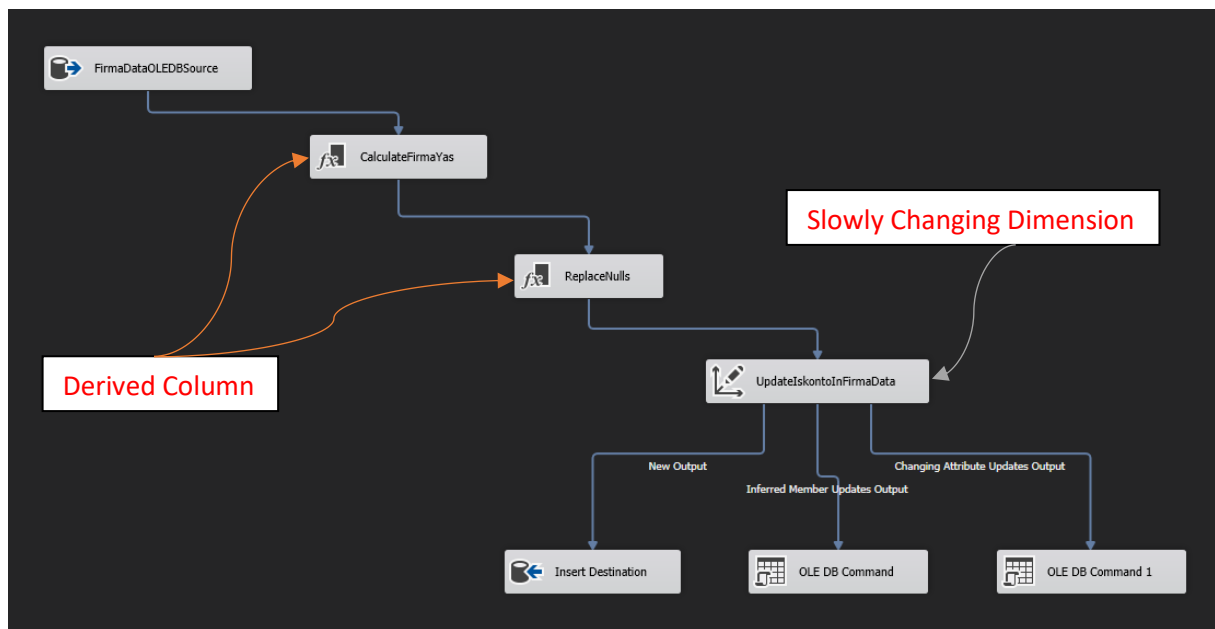
## FirmaData Tablo Tasarımı

TTU\TTQ.ISEDW - dbo.FirmaData			
Column Name	Data Type	Allow Nulls	
FirmaKod	tinyint	<input checked="" type="checkbox"/>	
Sehir	nvarchar(10)	<input checked="" type="checkbox"/>	
KurulusTarihi	smalldatetime	<input checked="" type="checkbox"/>	
Kredibilite	tinyint	<input checked="" type="checkbox"/>	
Iskonto	tinyint	<input checked="" type="checkbox"/>	
		<input type="checkbox"/>	


## SSIS Control Flow

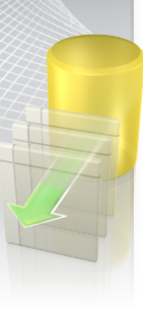


## SSIS Data Flow



## Slowly Changing Dimension – Ekranlar

 Slowly Changing Dimension Wizard



### Welcome to the Slowly Changing Dimension Wizard

This wizard helps you configure your data flow to handle a variety of slowly changing dimension types.


You first select the dimension table and map its key column to columns in the Slowly Changing Dimension transformation input. Then you configure support for slowly changing dimension columns.

Click Next to begin configuring the loading of your slowly changing dimension.

☐ Don't show this page again

Help

< Back **Next >** Finish >> Cancel

 Slowly Changing Dimension Wizard

### Slowly Changing Dimension Columns

Manage the changes to column data in your slowly changing dimensions by setting the change type for dimension columns.

**Fixed Attribute**

Select this type when the value in a column should not change. Changes are treated as errors.

**Changing Attribute**

Select this type when changed values should overwrite existing values. This is a Type 1 change.

**Historical Attribute**

Select this type when changes in column values are saved in new records. Previous values are saved in records marked as outdated. This is a Type 2 change.


Select a change type for slowly changing dimension columns:

Dimension Columns	Change Type
Iskonto	Changing attribute
Kredibilite	Fixed attribute
KurulusTarihi	Fixed attribute
Sehir	Fixed attribute

Remove

Help

< Back **Next >** Finish >> Cancel

 Slowly Changing Dimension Wizard

### Slowly Changing Dimension Columns

Manage the changes to column data in your slowly changing dimensions by setting the change type for dimension columns.

**Fixed Attribute**

Select this type when the value in a column should not change. Changes are treated as errors.

**Changing Attribute**

Select this type when changed values should overwrite existing values. This is a Type 1 change.

**Historical Attribute**

Select this type when changes in column values are saved in new records. Previous values are saved in records marked as outdated. This is a Type 2 change.


Select a change type for slowly changing dimension columns:

Dimension Columns	Change Type
Iskonto	Fixed attribute
Kredibilite	Changing attribute
KurulusTarihi	Fixed attribute
Sehir	Fixed attribute

Remove

Help

< Back **Next >** Finish >> Cancel

 Slowly Changing Dimension Wizard

### Fixed and Changing Attribute Options

**Fixed attributes**


☒ Fail the transformation if changes are detected in a fixed attribute

**Changing attributes**

☒ Change all the matching records, including outdated records, when changes are detected in a changing attribute

Help

< Back **Next >** Finish >> Cancel

 Slowly Changing Dimension Wizard

### Inferred Dimension Members

Use inferred members when a fact table may reference dimension members that are not yet loaded.

When data for the inferred member is loaded, you can update the existing record rather than create a new one.

☒ Enable inferred member support


☒ All columns with a change type are null

☐ Use a Boolean column to indicate whether the current record is an inferred member

Inferred member indicator:

Help

< Back **Next >** Finish >> Cancel

 Slowly Changing Dimension Wizard

### Finish the Slowly Changing Dimension Wizard

Review the outputs that the Slow Changing Dimension Wizard will build to support a slowly changing dimension.

The following outputs will be configured:

- Slowly Changing Dimension Transformation
  - New Records
    - New Record Output
  - Updates
    - Changing Attributes Updates Output
  - Other Outputs
    - Inferred Dimension Member Output

Help

< Back **Next >** Finish Cancel