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Datastage Scenario Based Question/Answer : 1

Question1 :

Input :

source, destination, km
 hyd, bang, 1000
 delhi, chennai, 1500
 chennai, bang, 600
 bang, hyd, 1000
 bombay, pune, 1000
 bang, chennai, 600

Output :

source, destination, km
 hyd, bang, 1000
 delhi, chennai, 1500
 chennai, bang, 600
 bombay, pune, 1000

see here **hyd** to **bangalore** distance is 1000km
 another rows is also **bangalore** to **hyd** 1000km
 so need to delete rows like this.

Solution :

Kindly find the solution for this problem. There are so many different ways. This is, one of the way to get the

Source=>Sort=>RemoveDup=>Transformer=>Lookup=>Filter=>Target

Steps:

1. Read the Source Data.
2. Sort the Data on initial 2 columns.
3. Remove duplicate values (If Any) on initial 2 columns.
4. Pass 2 output links from transformer.

One Link-> Master Link

Col1=> Source

Col2=> Destination

Col3=> Distance

2nd Link => Reference Link

Col1=> Destination

Col2=> Source

Col3=> LkpChk (With Default Value = 1)

5. Lookup the master link with the reference link.
with Col1=Col1 and Col2=Col2

Output from lookup is

One Link-> Master Link

Col1=> Source

Col2=> Destination

Col3=> Distance

Col4=> LkpChk(If Lookup found =1 Else you will get Null)

6. Filter the data only for (LkpChk <> 1)

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7. You will get your required values.

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Sandhya • 2 months ago

Dev ur soln to this doesn't give the correct answer. It removes both the records. Or maybe I'm missing few steps further.

I tried Gautham's soln as well. And that works :) Thanx a lot everyone for sharing ur knowledge :D



Gautham Kondapaneni • 4 months ago

Source -> Transformer -> Remove Duplicates -> Target

In the transformer add another column to the target, called route. The derivation for it (If DLink4.Source < DLink4.Destination Then DLink4.Source : DLink4.Destination : DLink4.Distance Else DLink4.Destination : DLink4.Source : DLink4.Distance).

In the remove duplicates stage specify the key as the new column.

1    



Sathi • 5 months ago

Col3=> LkpChk (With Default Value = 1) i did not understand can u send logic for this if possible can u explain this



Devendra Kumar Yadav Mod  Sathi • 5 months ago

Kindly find the derivation :

Point 4. Pass 2 output links from transformer.

One Link-> Master Link

Col1=> Source

Col2=> Destination

Col3=> Distance

2nd Link => Reference Link

Col1=> Destination

Col2=> Source

Col3=> LkpChk (With Default Value = 1)

Create Col3 in 2nd link and pass the default value=1 in transformer.

Which will go to Lookup stage, as a reference link.

Let me know, If you have still any doubts on this logic.



jithin  Devendra Kumar Yadav • 2 months ago

in this case both hyd-bang and bang-hyd will get delete. Am i rit?

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Sathi


→ Devendra Kumar Yadav • 5 months ago

In Step 5.


Col4=> LkpChk(If Lookup found =1 Else you will get Null)

But am not getting Null ... it will showing all records in target

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