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DEV'S ETL DATASTAGE TUTORIAL AND ONLINE HELP
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Datastage Scenario Based Question/Answer :1

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 **banglore** distance is 1000km
another rows is also **banglore** 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 => Refrence 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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LIST OF VISITOR'S COUNTRIES

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
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Gautham Kondapaneni · 4 months ago
Source -> Transformer -> RemoveDuplicates -> Target

In the transformer add another column to the target, called route. The derivation for it (If DSLink4.Source < DSLink4.Destination Then DSLink4.Source : DSLink4.Destination : DSLink4.Distance Else DSLink4.Destination : DSLink4.Source : DSLink4.Distance).

In the remove duplicates stage specify the key as the new column.
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Sathi · 5 months ago
Col3=> LkpChk (With Default Value = 1) i did not understand can u send logic for this if posssible can u explain this
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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 => Refrence 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.
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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 → Devender 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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