

We've recently made an accessibility improvement to the community and therefore posts without any content are no longer allowed. Please use the spoiler feature or add a short message in the message body in order to submit your weekly challenge.



2022-05-26 Updates: Email: If you're not seeing emails be delivered from the Community, please check your spam and mark the Community emails as not junk. Thank you for your patience.



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Weekly Challenge

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IDEAS WANTED

We're actively looking for ideas on how to improve Weekly Challenges and would love to hear what you think!

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Challenge #35: Data Cleansing Practice



GeneR
Alteryx Alumni (Retired)

The link to the solution for last challenge #34 is [HERE](#). For this challenge let's practice some data cleansing.

Use Case: There is a series of data cleansing processes we need to do on our data. Please solve each per the instructions.

Objective:

1. Remove leading zeroes
2. Trim leading zeroes and/or descriptive text at the end
3. If the data value ends with ID, remove the ID
4. If more than 8 chars, remove anything after 8. If only 6, add "SC" to the front.

challenge_35_start_file.yxmd

challenge_35_solution.yxmd

Basic Data Analysis Parse Preparation

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46 LIKES

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MattD
Alteryx Community Team

Here's a solution:

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ACE mcleavey
17 - Castor

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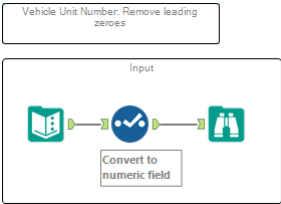
Reject

I AGREE

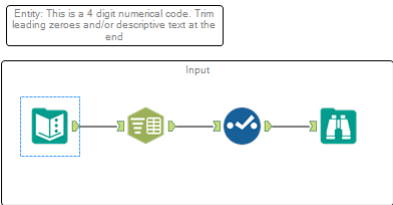
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My solutions.

1. Remove Leading Zeros.
For this, given the codes we are looking for are 4 digit numeric codes, I simply converted to a numeric field. This automatically drops the leading zeros:

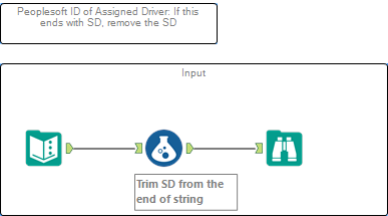


2. Isolate 4 digit numeric code.
Here, I simply used Text to Columns to split the columns on ":". I then dropped the superfluous columns:



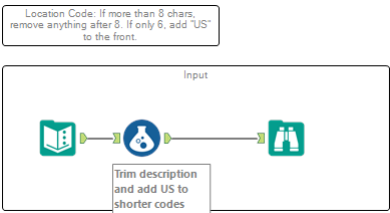
3. Remove "SD" from the end of any records on which it appears.

This was achieved by simply using the "Trimright()" function to remove any instances of "SD":



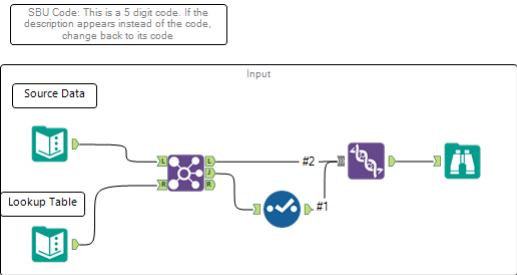
4. Return 8 character string and add "US" to the start of strings that are shorter than 8 characters.

I used a simple IF statement to determine the records that were shorter than 8 characters, and if so, add the characters "US" to the beginning. This was coupled with a left() function to return the 8 character string:



5. Return 5 digit code rather than descriptions on given codes.

Here, I used the join tool to join "SBU Code" in the input data stream to the "Description" field in the source table. The left output returns the correct three codes. The output of the join shows those records where the code is in the description field. Rename this output and union back to the input stream to return all records correctly:



Here's my solution for this challenge.

» Spoiler

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 **LandonG**
8 - Asteroid

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 **Mattpannuzzo**
7 - Meteor

Hi Syfer,
You're close.
I realigned your columns in the union join which returned the correct result.


» Spoiler

- Matt



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 **Samuel To**
10 - Fireball


Hi @GeneR ,
Here is my solution.
Best Regards,
Samuel

 challenge_35_work_file.yxmd 



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 **TonyA**
Alteryx Alumni (Retired)

Not sure what's going on with this challenge. None of the replies I'm seeing line up with the current version of the question. Here's my solution.

 challenge_35a_TonyA.yxmd 

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 **ACE estherb47**
15 - Aurora


Redone.

 challenge_35_EHB_completed.yxmd 



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 **Alekh**
8 - Asteroid

This challenge was so difficult that barely anyone in the last few years have been able to solve it!:P

 35.yxmd 

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All forum topics < >

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