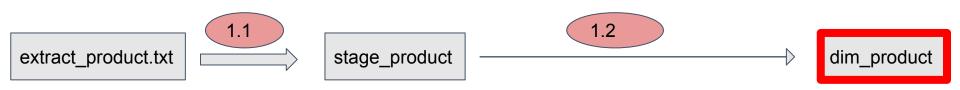
Building Sales Data mart Using Pentaho Part 2 (continued)

By Naheed Anjum Arafat

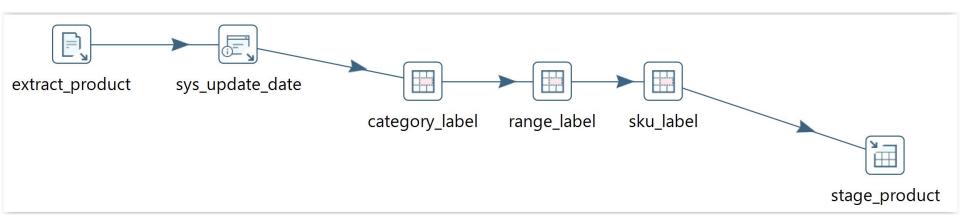
Task 1 - Product Dimension Table



Task 1.1

Product file \rightarrow stage product

Objective



Task 1.1 - Create Transformation

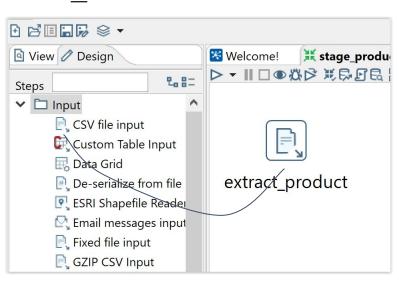
- New transformation in spoon
- Save as stage product.ktr in folder dim product

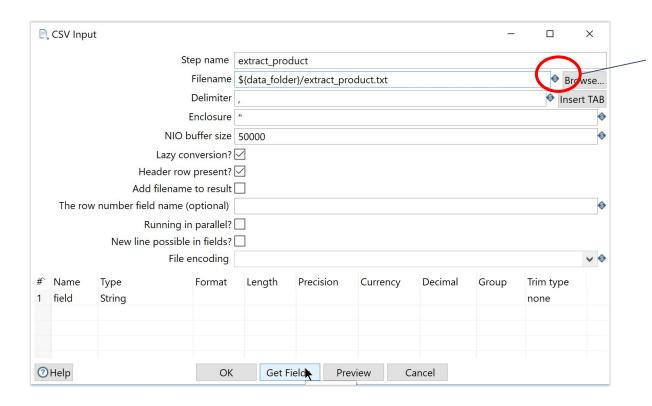
Task 1.1 - Create Transformation

- Edit the CSV Input step
- Set the file path to

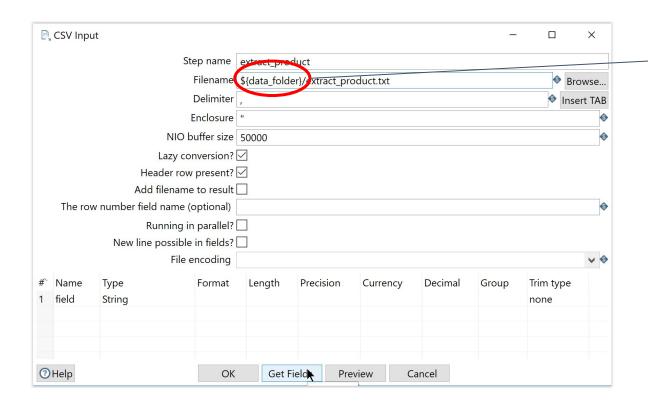
\${data folder}/extract product.txt

Get fields as ALL STRING

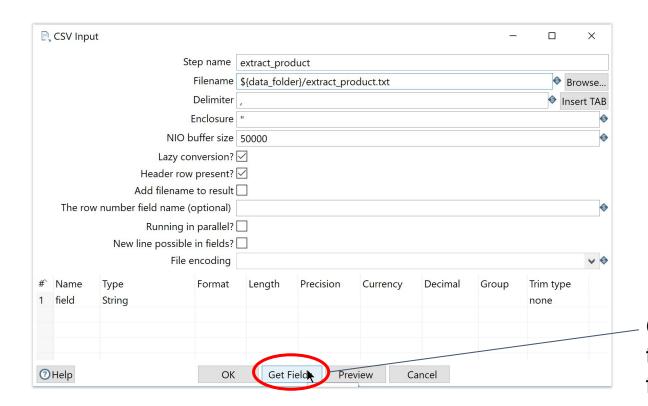




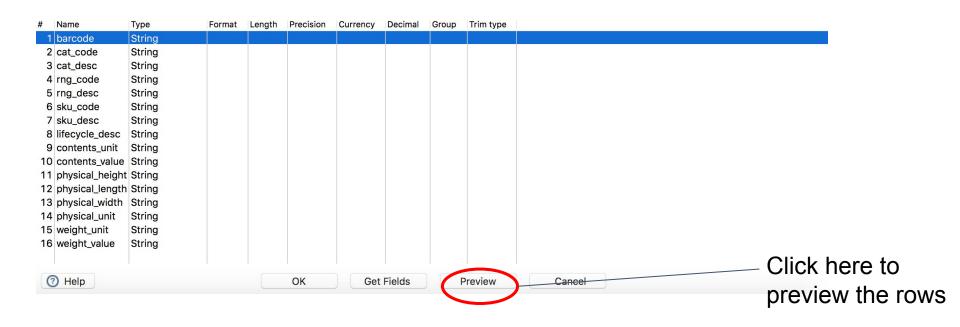
You can use variable in this field



You can use variable in this field



Click here to get the fields from text file



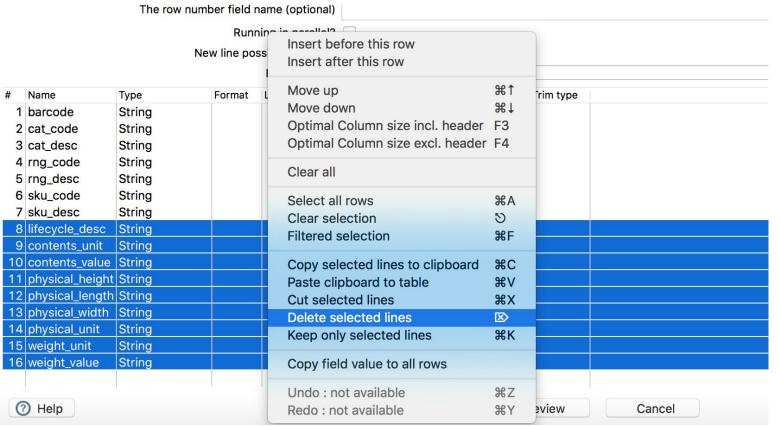
Preview rows

	•					Examine pre	eview data
Rov	vs of step: CSV file	input (100	00 rows)				
#	barcode	cat_code	cat_desc	rng_code	rng_desc	sku_code	sku_desc
1	1010000008	10	FACIAL SKIN CARE/1	100	VITAMIN C	000000000	VIT.C SKIN BOOST 30ML
2	101000008	10	FACIAL SKIN CARE/1	100	VITAMIN C	000000000	VIT.C SKIN BOOST 30ML
3	2000000000	10	FACIAL SKIN CARE/1	100	VITAMIN C	000000000	VIT.C SKIN BOOST 30ML
4	5028197245	10	FACIAL SKIN CARE/1	100	VITAMIN C	000000000	VIT.C SKIN BOOST 30ML
5	5028197290	10	FACIAL SKIN CARE/1	100	VITAMIN C	000000000	VIT.C SKIN BOOST 30ML
6	126000017	12	WOMENS FRAGRANCE/3	600	WHITE MUSK	000000000	NEW WHITE MUSK LUXURY SOAP 100GR
7	2000000004	12	WOMENS FRAGRANCE/3	600	WHITE MUSK	000000000	NEW WHITE MUSK LUXURY SOAP 100GR
8	5028197253	12	WOMENS FRAGRANCE/3	600	WHITE MUSK	000000000	NEW WHITE MUSK LUXURY SOAP 100GR
9	111060000	24	BATH AND SHOWER/26	261	ALOE VERA	000000000	ALOE VERA ANTI-PERSPIRANT DEODORANT 50ML
10	200000000	24	BATH AND SHOWER/26	261	ALOE VERA	000000000	ALOE VERA ANTI-PERSPIRANT DEODORANT 50ML
11	5028197258	24	BATH AND SHOWER/26	261	ALOE VERA	000000000	ALOE VERA ANTI-PERSPIRANT DEODORANT 50ML
12	101000016	10	FACIAL SKIN CARE/1	100	VITAMIN C	000000000	VIT.C INTENS NIGHT TREAT 30ML
13	2000000000	10	FACIAL SKIN CARE/1	100	VITAMIN C	000000000	VIT.C INTENS NIGHT TREAT 30ML
14	5028197246	10	FACIAL SKIN CARE/1	100	VITAMIN C	000000000	VIT.C INTENS NIGHT TREAT 30ML
15	111060018	23	BODY CARE/25	261	ALOE VERA	000000000	NEW ALOE ANTI-PERSPIRANT DEODORANT 50ML
16	2000000000	23	BODY CARE/25	261	ALOE VERA	000000000	NEW ALOE ANTI-PERSPIRANT DEODORANT 50ML
17	5028197257	23	BODY CARE/25	261	ALOE VERA	000000000	NEW ALOE ANTI-PERSPIRANT DEODORANT 50ML
18	5028197431	23	BODY CARE/25	261	ALOE VERA	000000000	NEW ALOE ANTI-PERSPIRANT DEODORANT 50ML
19	126000025	12	WOMENS FRAGRANCE/3	600	WHITE MUSK	000000000	NEW WHITE MUSK BATH & SHOWER GEL 200ML
20	2000000000	12	WOMENS FRAGRANCE/3	600	WHITE MUSK	000000000	NEW WHITE MUSK BATH & SHOWER GEL 200ML
21	5028197373	12	WOMENS FRAGRANCE/3	600	WHITE MUSK	000000000	NEW WHITE MUSK BATH & SHOWER GEL 200ML
22	101000024	10	FACIAL SKIN CARE/1	100	VITAMIN C	000000000	VIT.C SPF15 DAILY MOIST 50ML
23	2000000000	10	FACIAL SKIN CARE/1	100	VITAMIN C	000000000	VIT.C SPF15 DAILY MOIST 50ML
24	5028197137	10	FACIAL SKIN CARE/1	100	VITAMIN C	000000000	VIT.C SPF15 DAILY MOIST 50ML
25	5028197246	10	FACIAL SKIN CARE/1	100	VITAMIN C	000000000	VIT.C SPF15 DAILY MOIST 50ML
26	0	23	BODY CARE/25	261	ALOE VERA	000000000	ALOE CARING BODY BALM 200ML
27	111060026	23	BODY CARE/25	261	ALOE VERA	000000000	ALOE CARING BODY BALM 200ML
28	2000000000	23	BODY CARE/25	261	ALOE VERA	000000000	ALOE CARING BODY BALM 200ML
29	5028197257	23	BODY CARE/25	261	ALOE VERA	000000000	ALOE CARING BODY BALM 200ML
30	126000033	12	WOMENS FRAGRANCE/3	600	WHITE MUSK	000000000	NEW WHITE MUSK BODY LOTION 200ML
31	2000000000	12	WOMENS FRAGRANCE/3	600	WHITE MUSK	000000000	NEW WHITE MUSK BODY LOTION 200ML
32	5028197253	12	WOMENS FRAGRANCE/3	600	WHITE MUSK	000000000	NEW WHITE MUSK BODY LOTION 200ML
23	111060024	22	BODY CAREIZE	261	ALOE VEDA	000000000	ALOE COOLING BODY GEL 250MI

Close

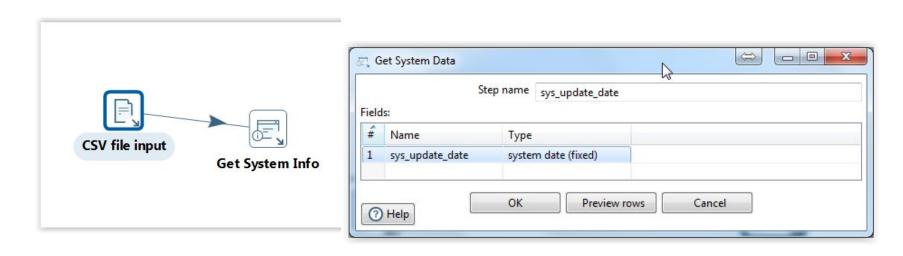
Show Log

When you do not want all the fields



Select the attributes you don't want.
Right click and delete the line.

Good practice: Add an update date



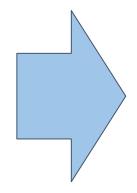
User friendly attribute name

	cat_desc	rng_code	rng_desc	sku_code	sku_desc	(
10	EACIAL SKIN CARE/1	100	VITAMIN C	000000000010	VIT.C SKIN BOOST 30ML	7
23	BODY CARE/25	261	ALOE VERA	000000000013	NEW ALOE ANTI-PERSPIRANT DEODORANT 50ML	7
23	BODY CARE/25	261	ALOE VERA	000000000016	ALOE CARING BODY BALM 200ML	1
23	BODY CARE/25	261	ALOE VERA	000000000018	ALOE COOLING BODY GEL 250ML	7
25	MAKE UP/27	018	ACCESSORIES	000000000025	DIVA BRUSH RETRACTABLE LIP	i

category_label	range_label	sku_label
10 - FACIAL SKIN CARE/1	100 - VITAMIN C	000000000010 - VIT.C SKIN BOOST 30ML
23 - BODY CARE/25	261 - ALOE VERA	000000000013 - NEW ALOE ANTI-PERSPIRANT DEODORANT 50ML
23 - BODY CARE/25	261 - ALOE VERA	000000000016 - ALOE CARING BODY BALM 200ML
23 - BODY CARE/25	261 - ALOE VERA	000000000018 - ALOE COOLING BODY GEL 250ML
25 - MAKE UP/27	018 - ACCESSORIES	000000000025 - DIVA BRUSH RETRACTABLE LIP

Transform fields

#^	Fieldname	Type
1	barcode	String
2	cat_code	String
3	cat_desc	String
4	rng_code	String
5	rng_desc	String
6	sku_code	String
7	sku_desc	String



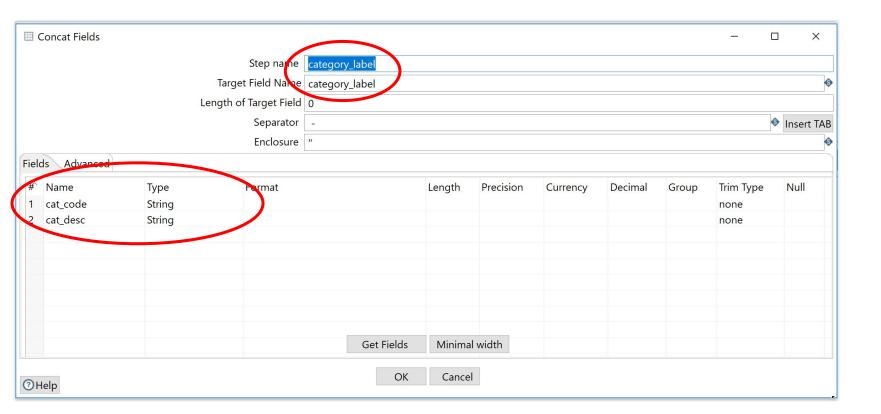
#^	Fieldname	Type
1	barcode	String
2	category_label	String
3	range_label	String
4	sku_label	String

Concat fields

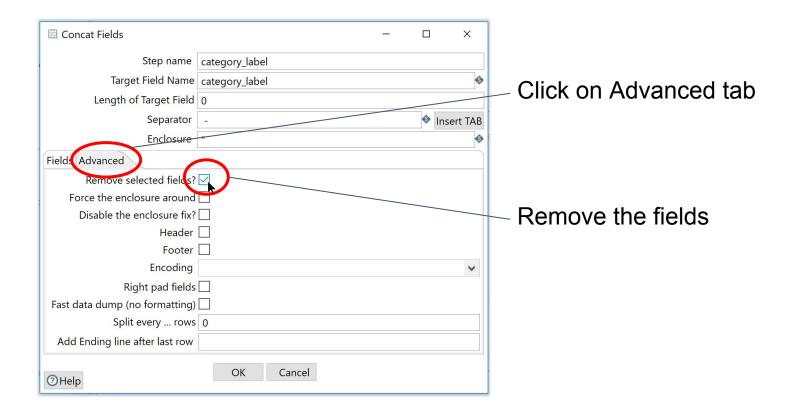
- cat_code + " " + cat_desc → category_label
- rng_code + " " + rng_desc → range_label
- sku_code + " " + sku_desc → sku_label

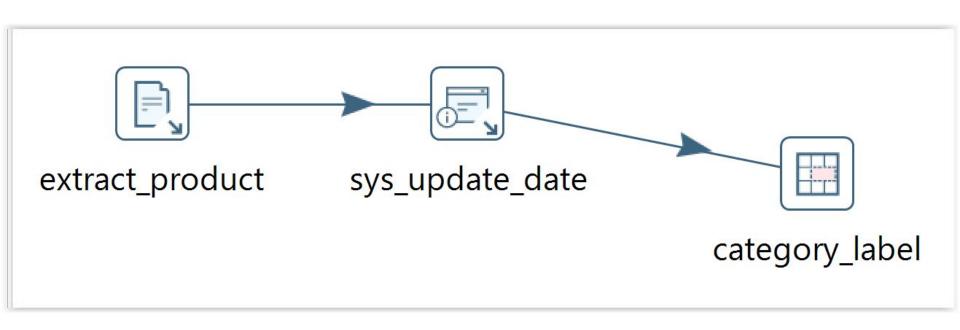


Concat fields - category_label

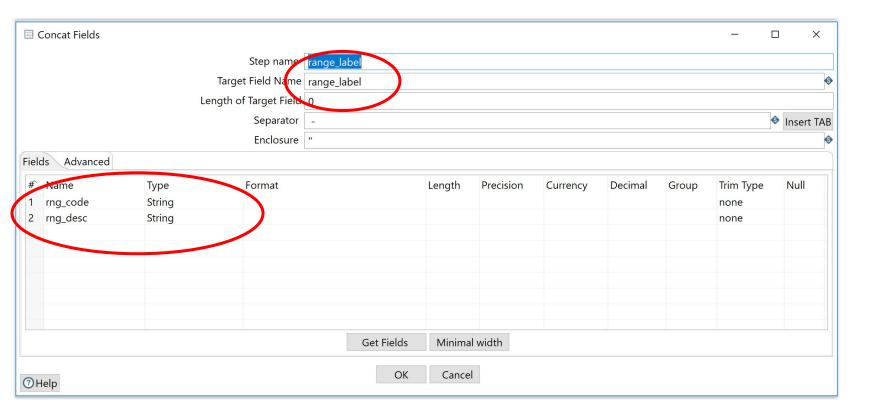


Concat fields

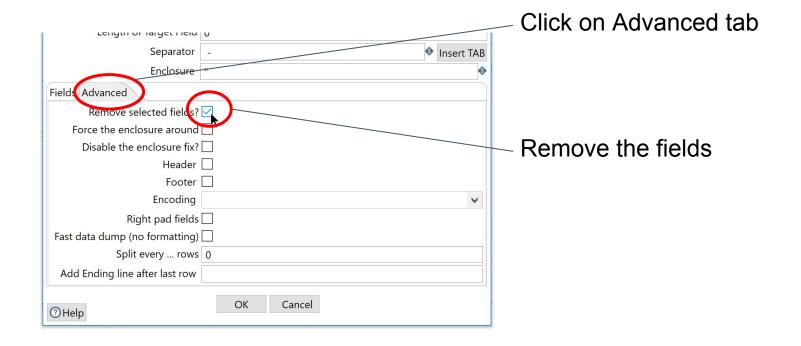


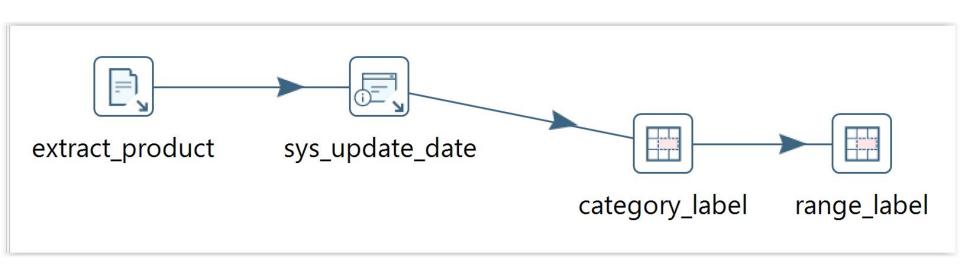


Concat fields - range_label

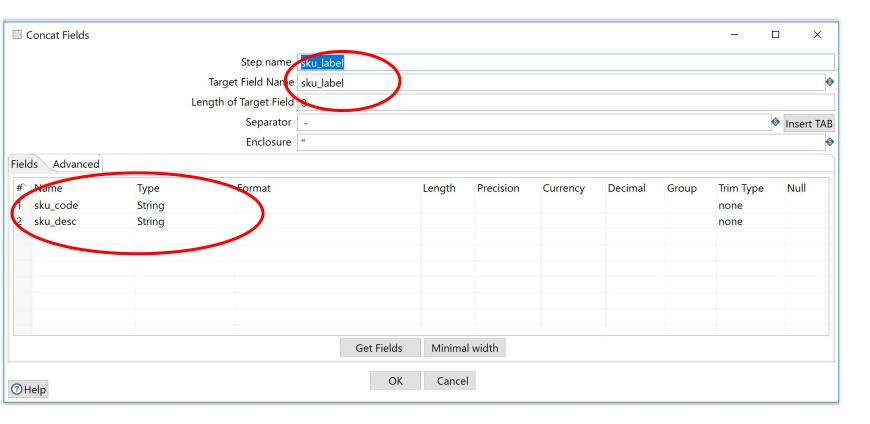


Concat fields

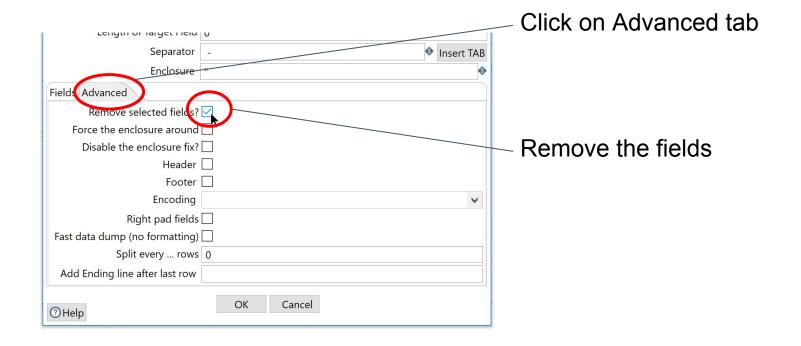




Concat fields - sku_label



Concat fields



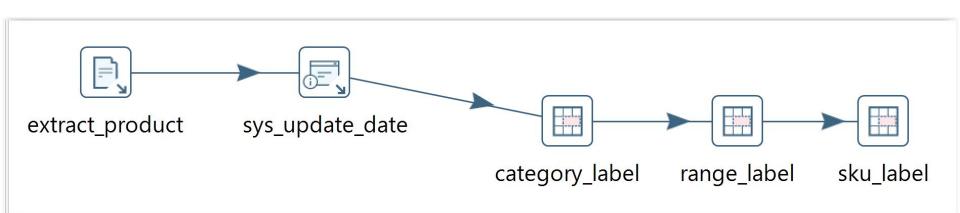
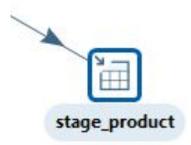
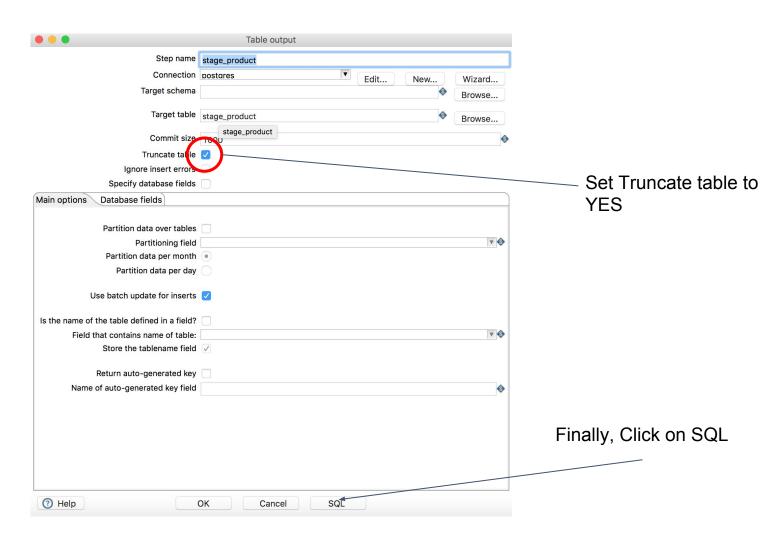


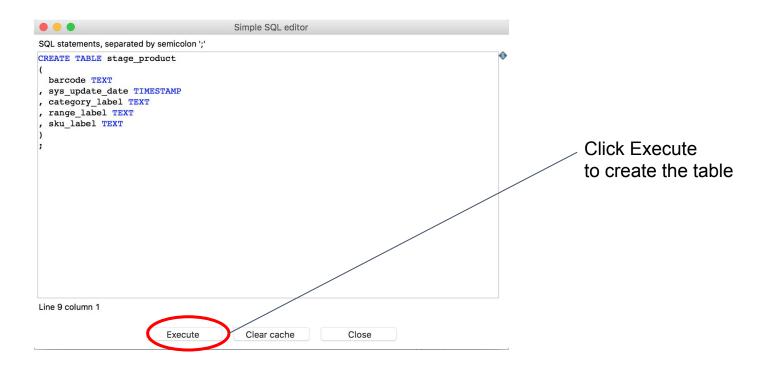
Table output

- Edit Table output step
- change name of step to stage_product
- change table name to stage product

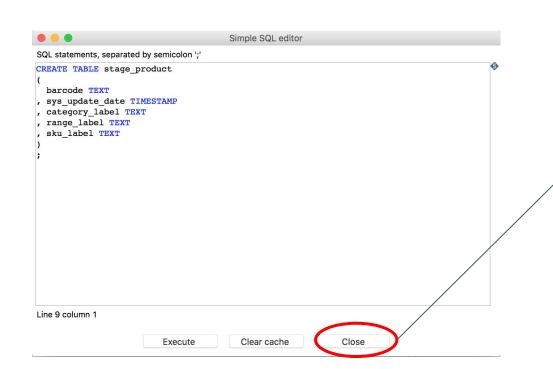




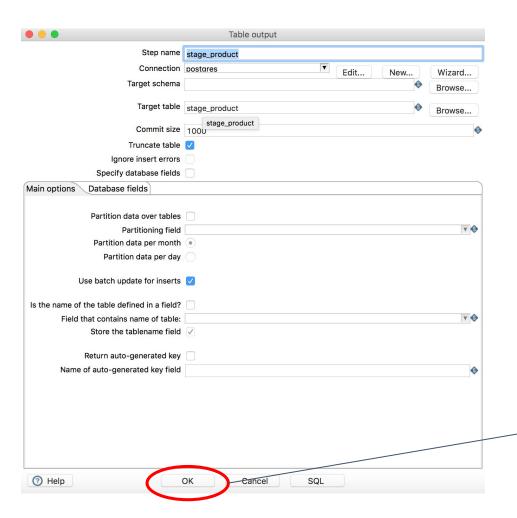
SQL statement to execute - automatic



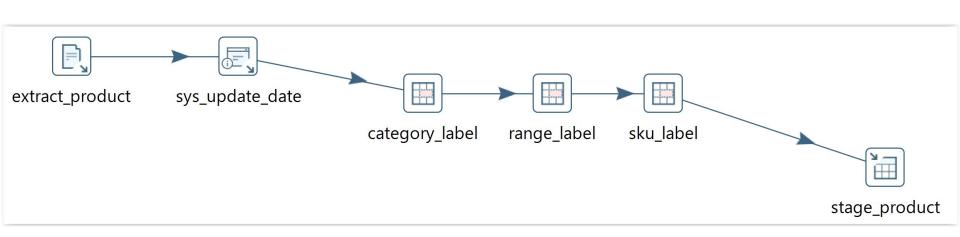




Click Close to close dialog box



Click OK to close the dialog box



Task 1.1 - Run Transformation

- Run Transformation
- Watch step metrics
- Watch for errors in logging

Click on this icon to show Results

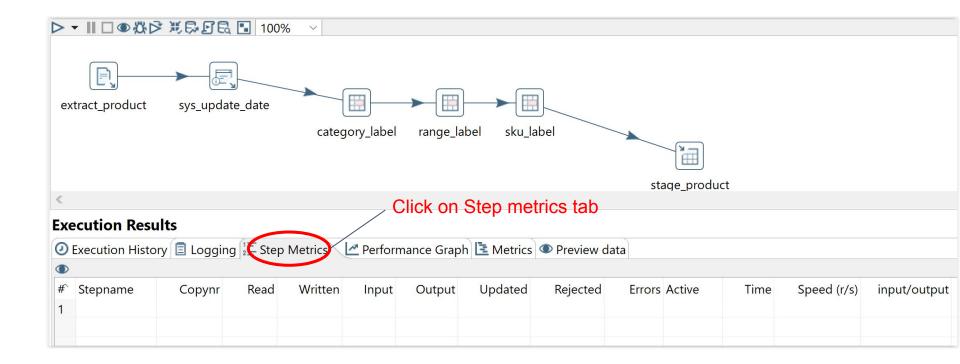
pane

extract_product sys_update_date

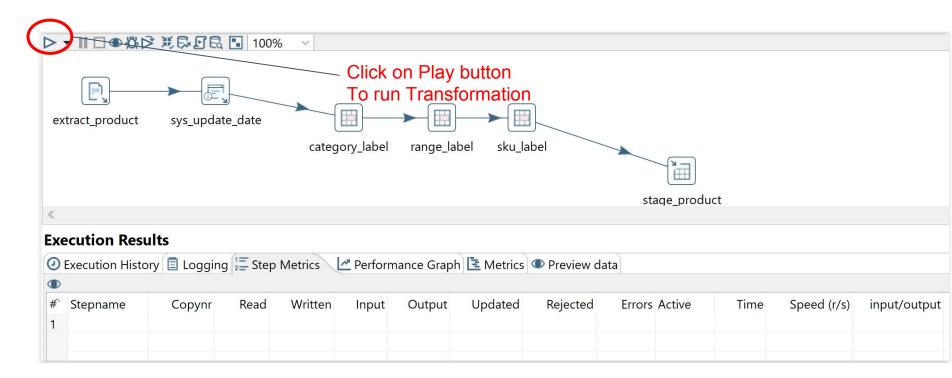
category_label range_label sku_label

stage_product

Show results pane

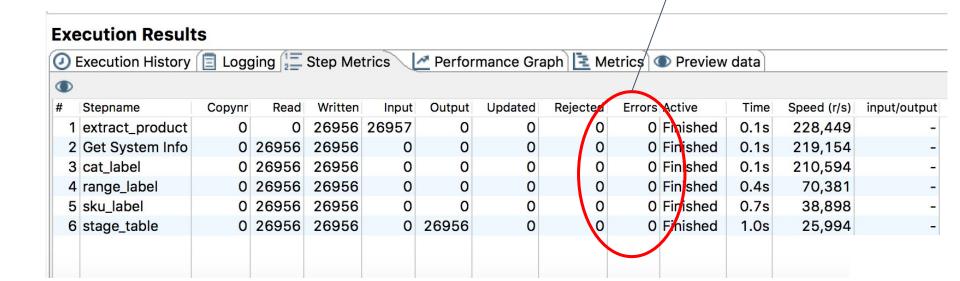


Show results pane

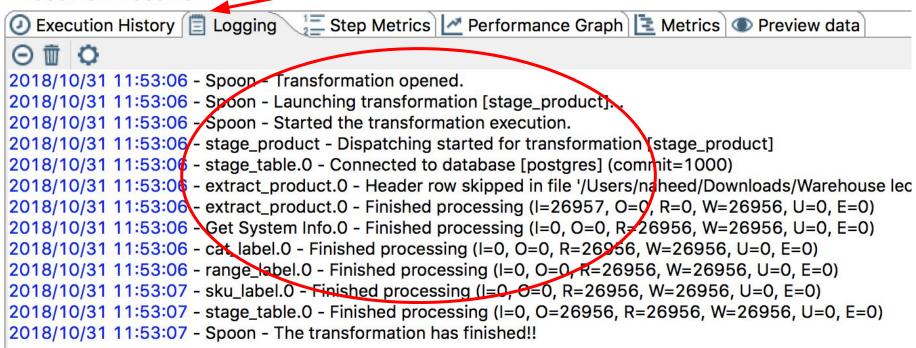


Run transformation

Run is completed No errors



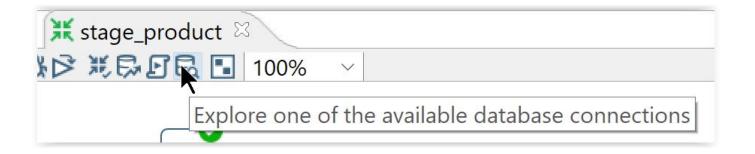
Execution Results



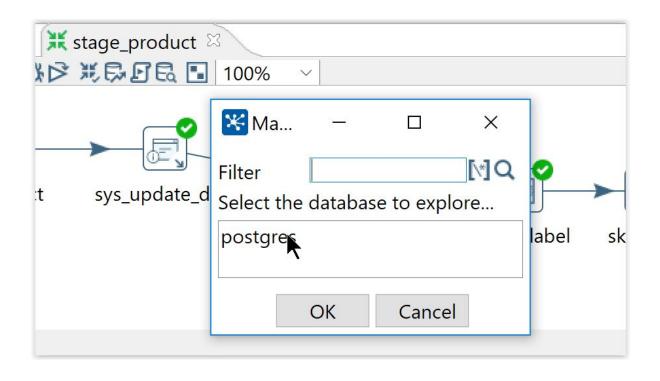
Check your work

- Run twice
- Browse the database
- Row count stage_product
- Check whether this count is the same as that in the source text file
- If not, check whether truncate table is set

Browse database



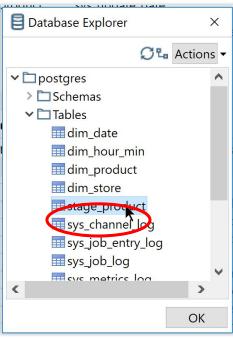
Browse database



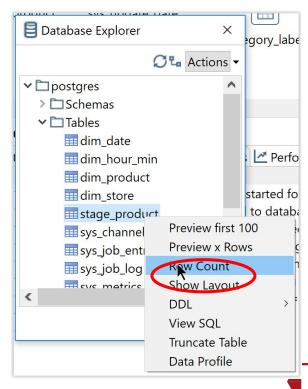
Browse database



Click on ">"



Navigate to tables
Right-click on
stage product



Click on Row Count

End of Task 1.1