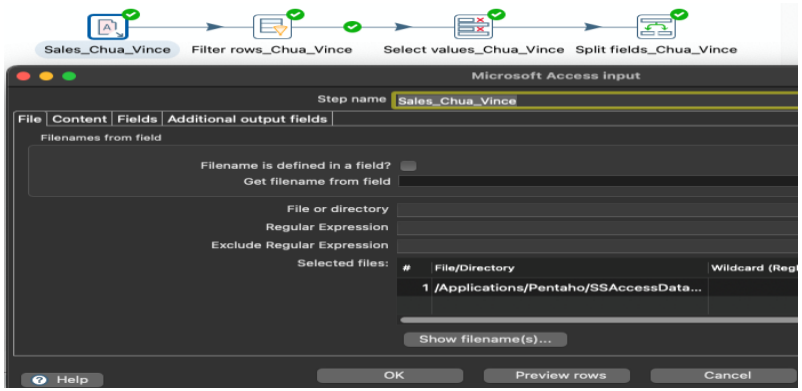
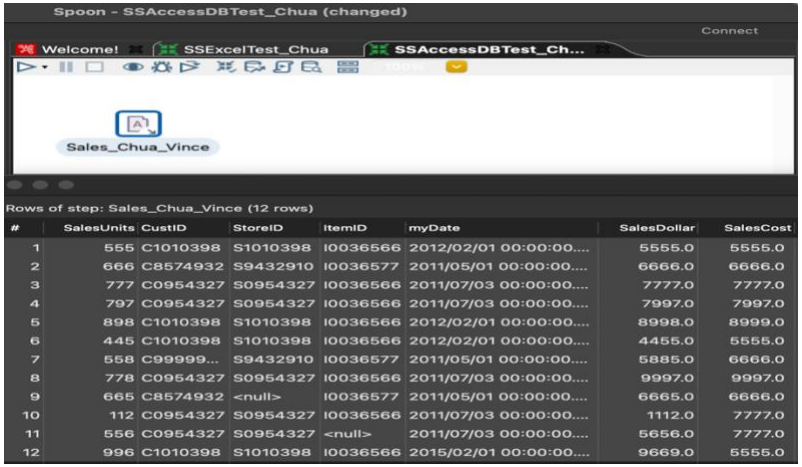
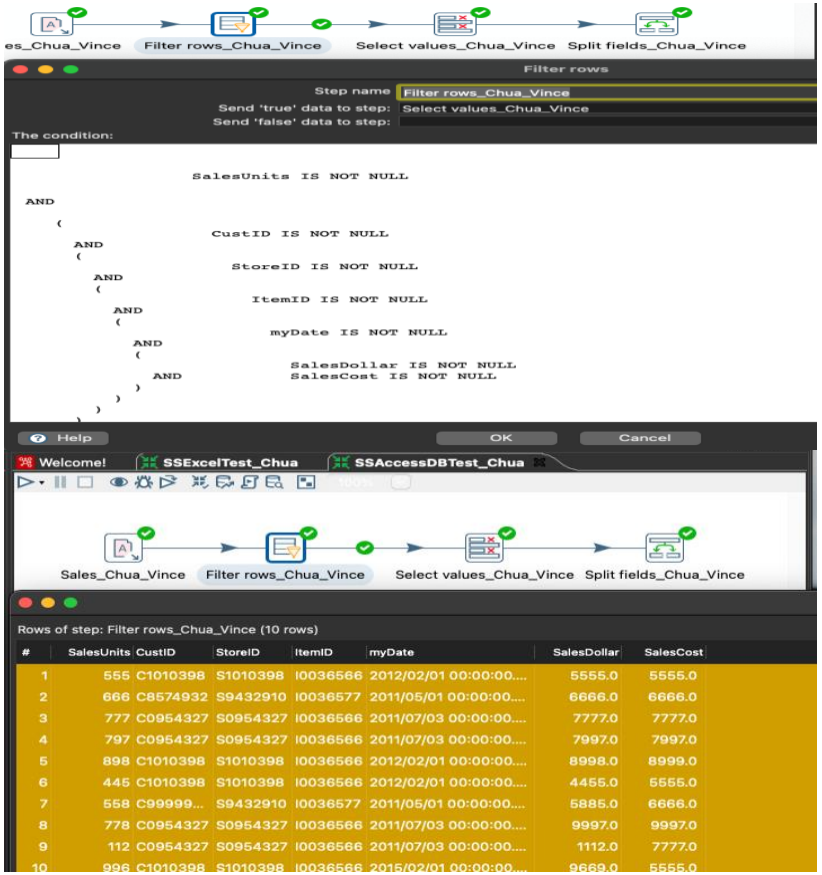
Vince Ted Matthew D. Chua
June 10th, 2024
Professor Jeremias Esperanza
Professional Elective 4 – Lab SW3
Week 3-4 Data Visualization/ Data Integration

Screenshot of my SSAccessData in Pentaho

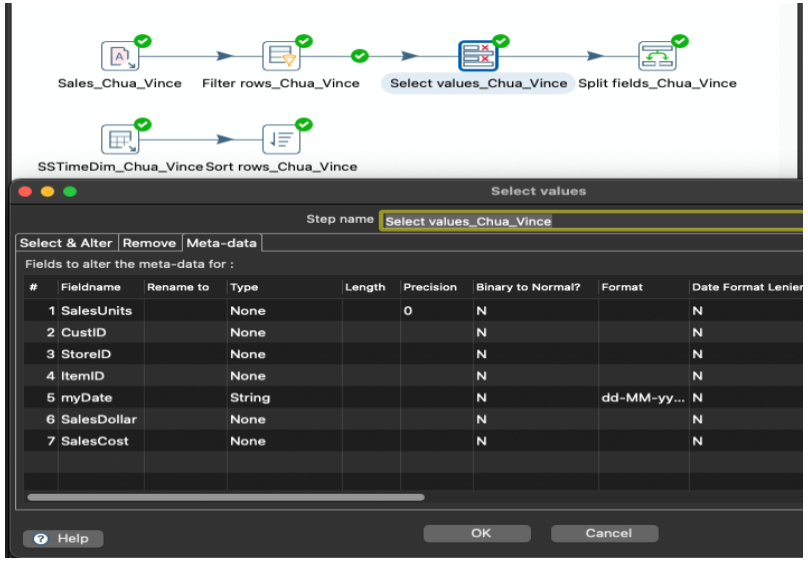
Sales_Chua_Vince & Filter rows_Chua_Vince

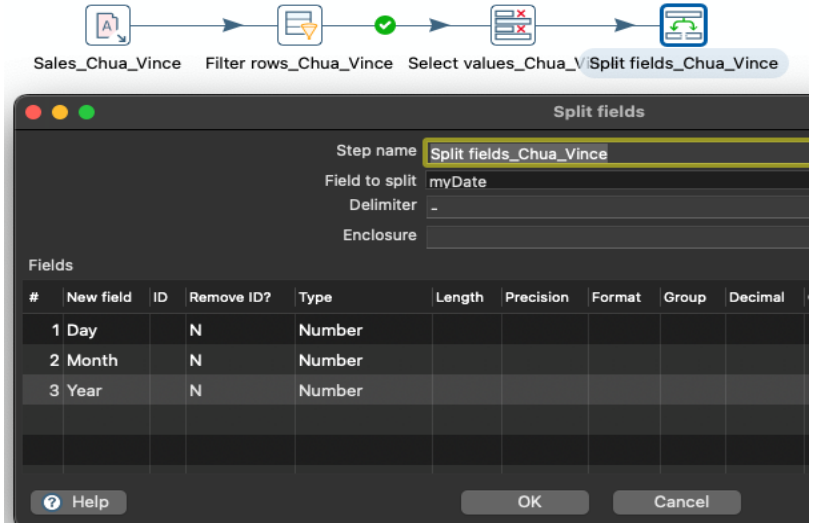


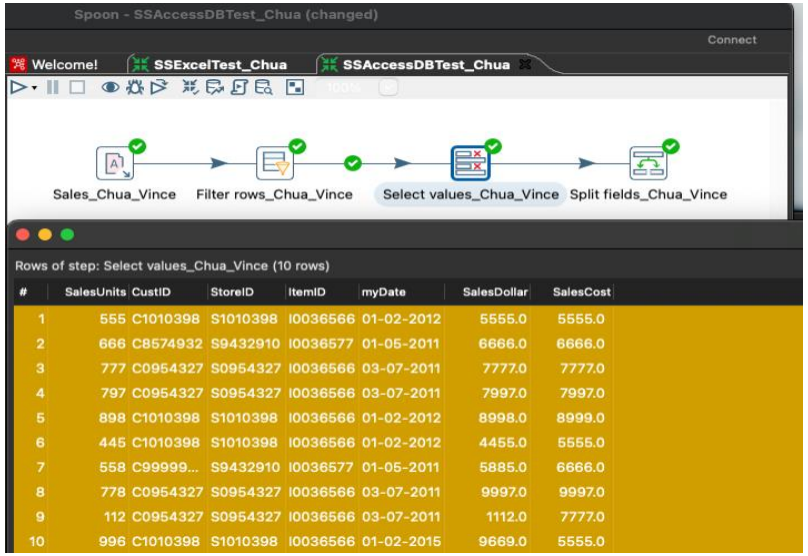


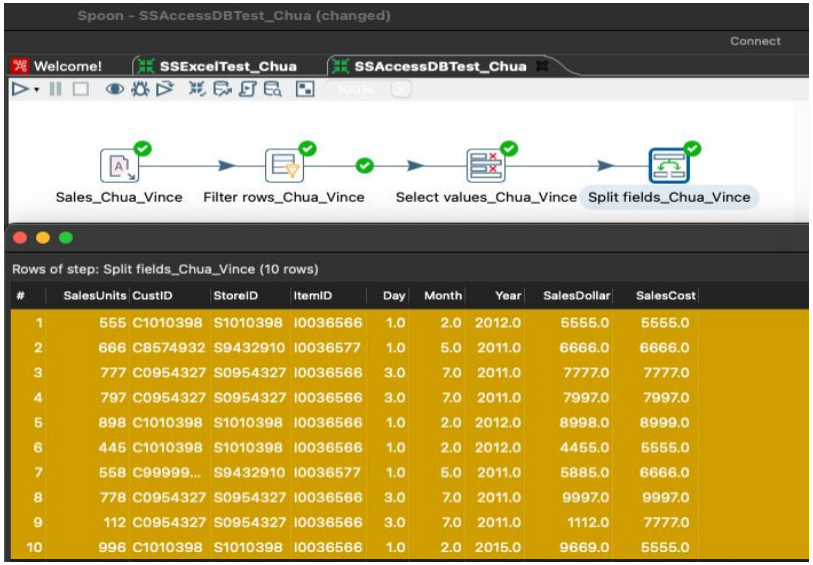


Select values Chua_Vince & Split fields_Chua_Vince

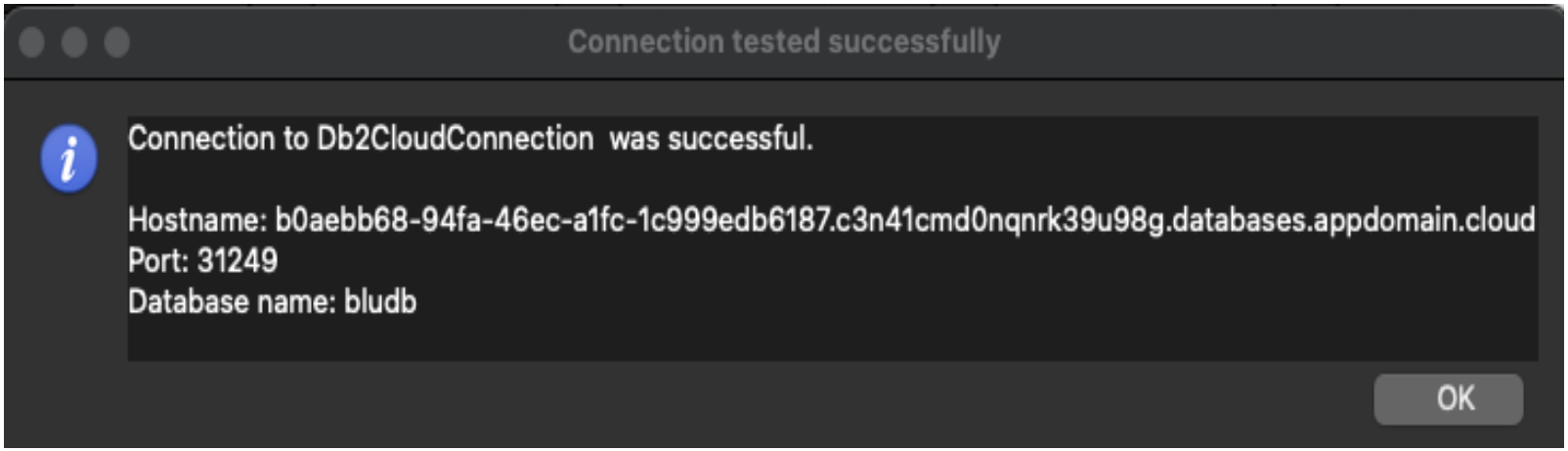


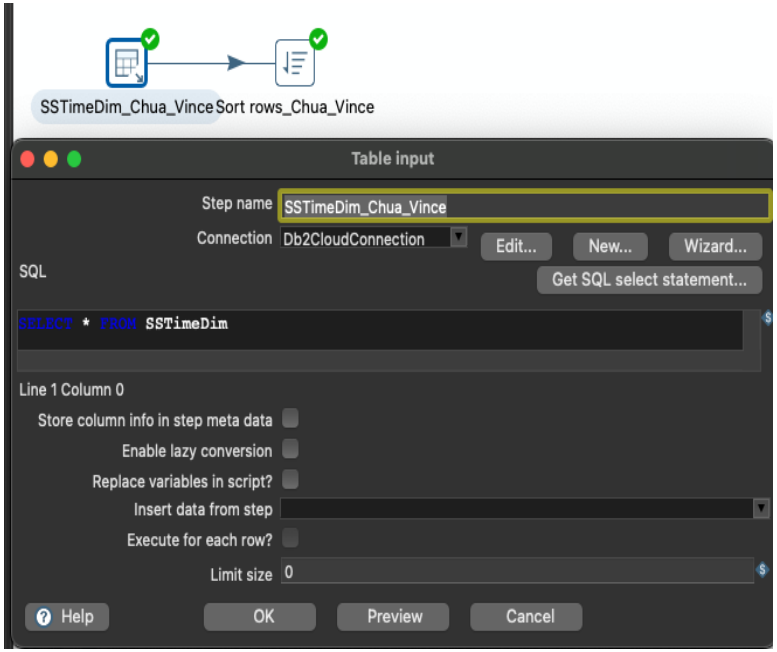


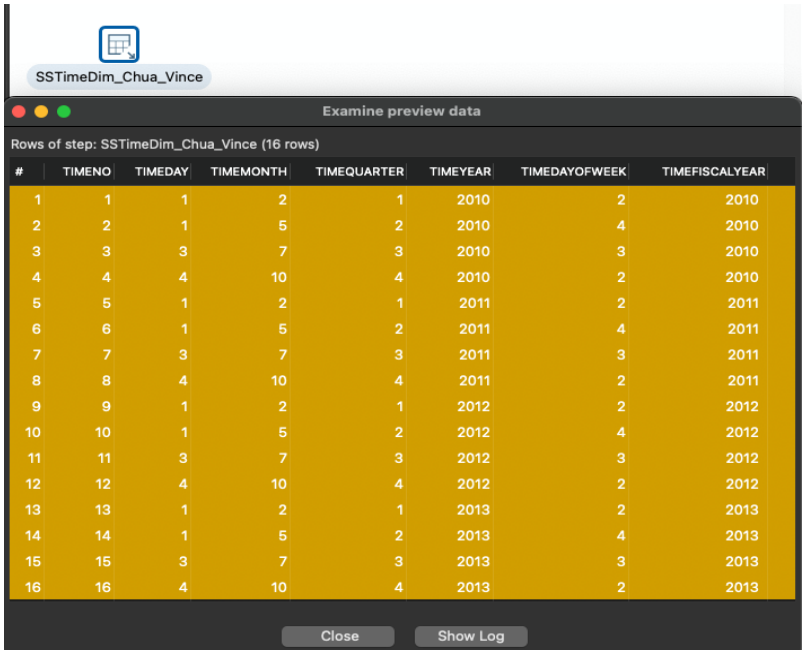




Split fields_Chua_Vince & SSTimeDim_Chua_Vince

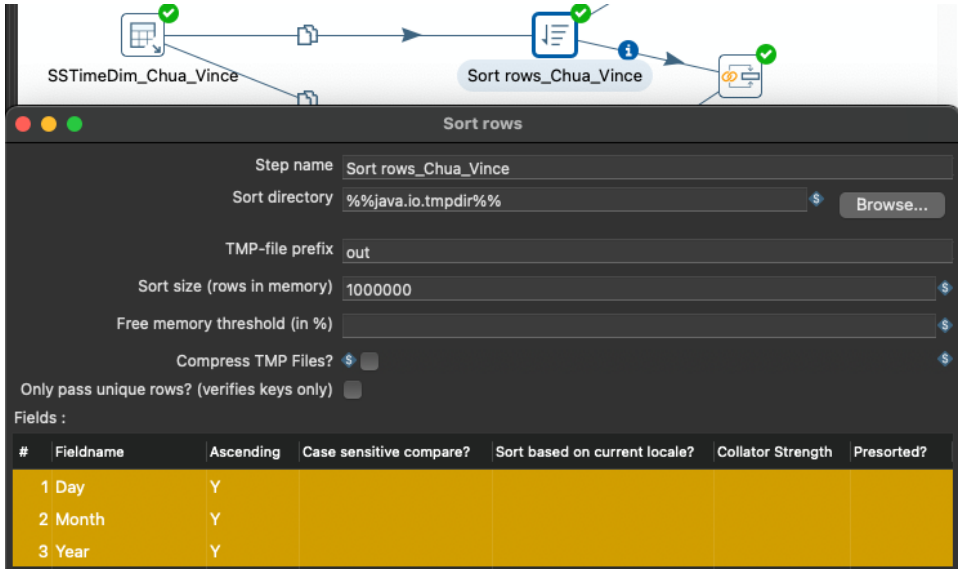


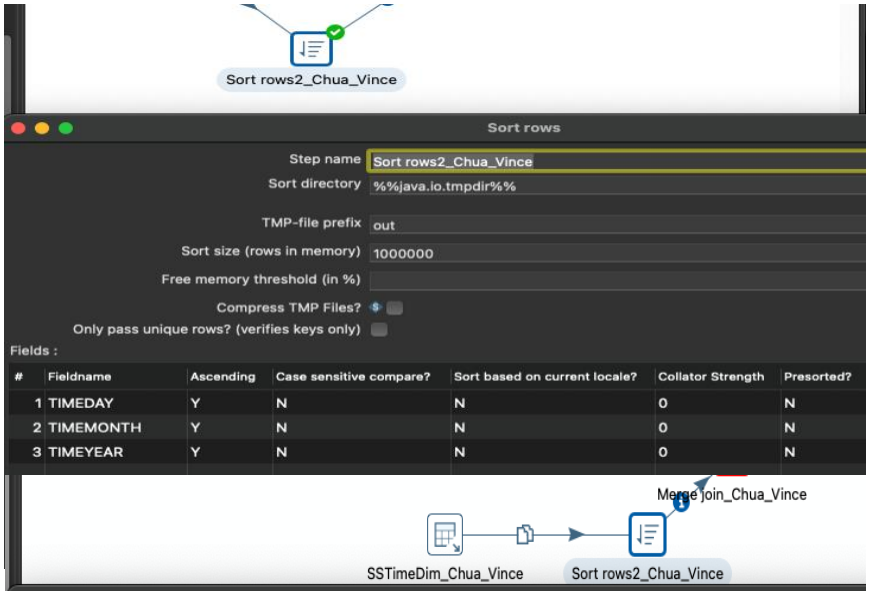


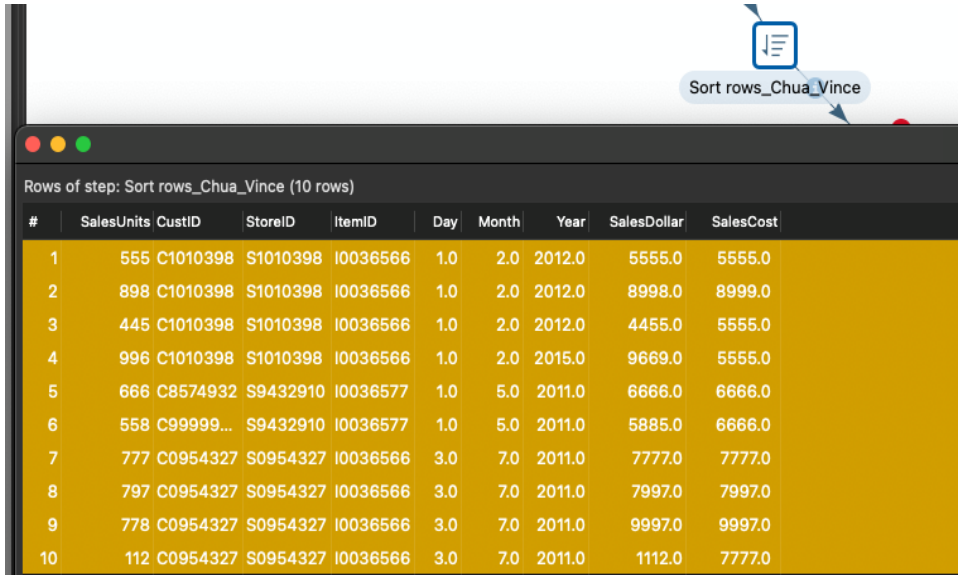


#	TIMENO	TIMEDAY	TIMEMONTH	TIMEQUARTER	TIMEYEAR	TIMEDAYOFWEEK	TIMEFISCALYEAR
1	1	1	2	1	2010	2	2010
2	2	1	5	2	2010	4	2010
3	3	3	7	3	2010	3	2010
4	4	4	10	4	2010	2	2010
5	5	1	2	1	2011	2	2011
6	6	1	5	2	2011	4	2011
7	7	3	7	3	2011	3	2011
8	8	4	10	4	2011	2	2011
9	9	1	2	1	2012	2	2012
10	10	1	5	2	2012	4	2012
11	11	3	7	3	2012	3	2012
12	12	4	10	4	2012	2	2012
13	13	1	2	1	2013	2	2013
14	14	1	5	2	2013	4	2013
15	15	3	7	3	2013	3	2013
16	16	4	10	4	2013	2	2013

Sort rows_Chua_Vince, Sort rows2_Chua_Vince



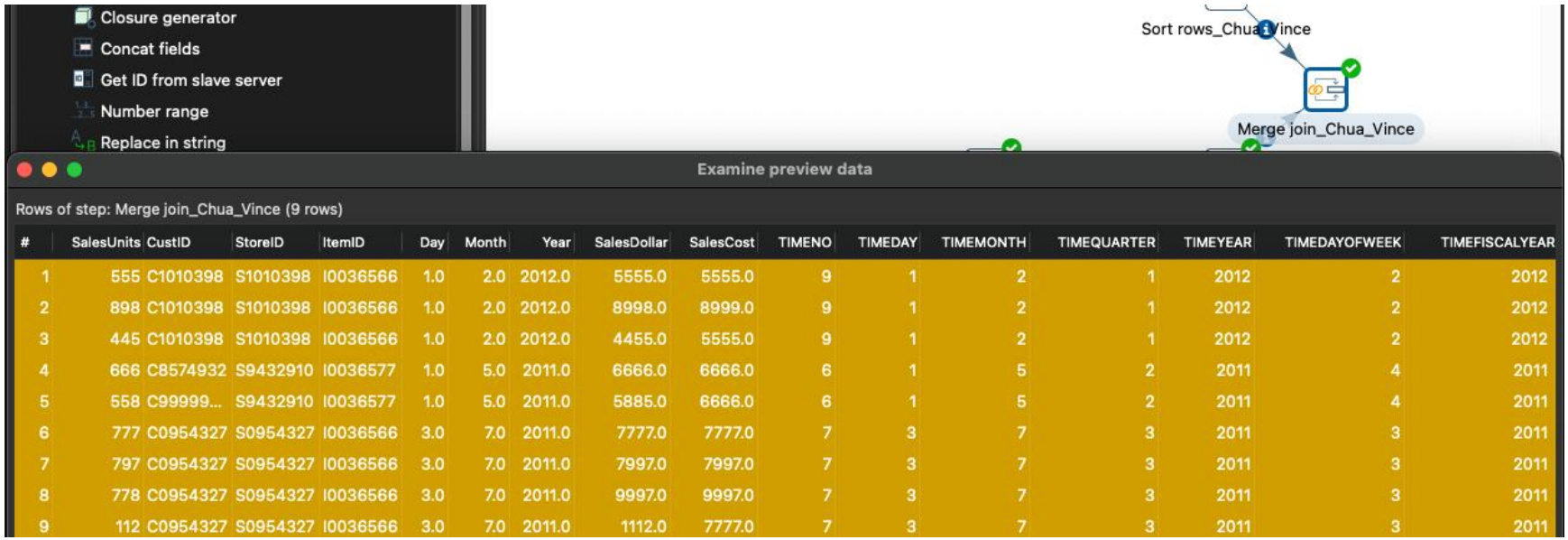




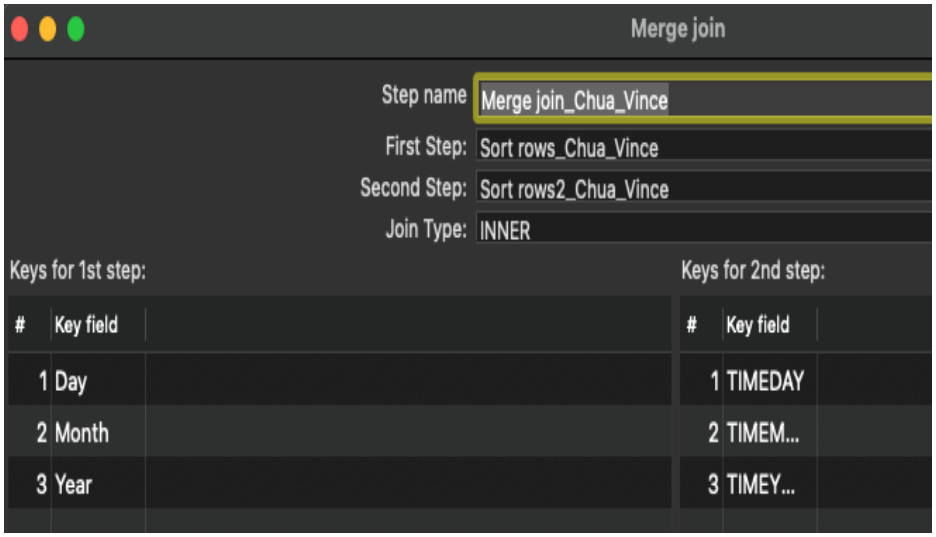
#	SalesUnits	CustID	StoreID	ItemID	Day	Month	Year	SalesDollar	SalesCost
1	555	C1010398	S1010398	I0036566	1.0	2.0	2012.0	5555.0	5555.0
2	898	C1010398	S1010398	I0036566	1.0	2.0	2012.0	8998.0	8999.0
3	445	C1010398	S1010398	I0036566	1.0	2.0	2012.0	4455.0	5555.0
4	996	C1010398	S1010398	I0036566	1.0	2.0	2015.0	9669.0	5555.0
5	666	C8574932	S9432910	I0036577	1.0	5.0	2011.0	6666.0	6666.0
6	558	C99999...	S9432910	I0036577	1.0	5.0	2011.0	5885.0	6666.0
7	777	C0954327	S0954327	I0036566	3.0	7.0	2011.0	7777.0	7777.0
8	797	C0954327	S0954327	I0036566	3.0	7.0	2011.0	7997.0	7997.0
9	778	C0954327	S0954327	I0036566	3.0	7.0	2011.0	9997.0	9997.0
10	112	C0954327	S0954327	I0036566	3.0	7.0	2011.0	1112.0	7777.0

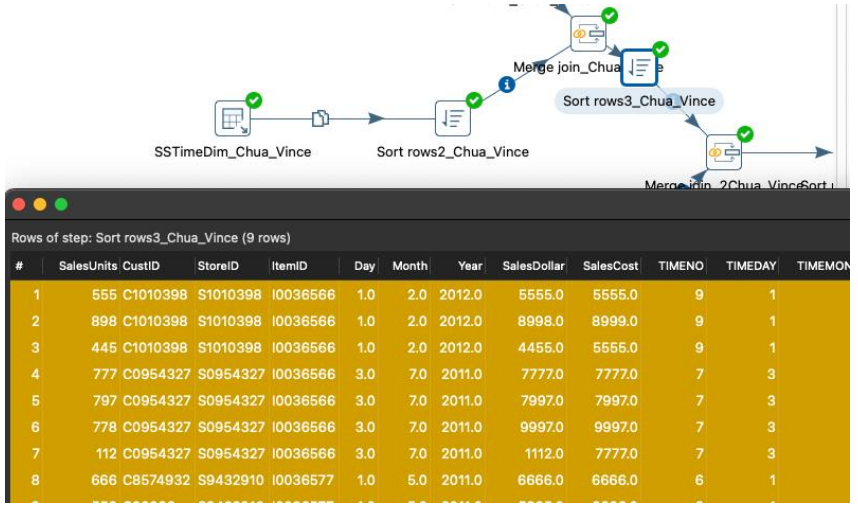
#	TIMENO	TIMEDAY	TIMEMONTH	TIMEQUARTER	TIMEYEAR	TIMEDAYOFWEEK	TIMEFISCALYEAR
1	1	1	2	1	2010	2	2010
2	5	1	2	1	2011	2	2011
3	9	1	2	1	2012	2	2012
4	13	1	2	1	2013	2	2013
5	2	1	5	2	2010	4	2010
6	6	1	5	2	2011	4	2011
7	10	1	5	2	2012	4	2012
8	14	1	5	2	2013	4	2013
9	3	3	7	3	2010	3	2010
10	7	3	7	3	2011	3	2011
11	11	3	7	3	2012	3	2012
12	15	3	7	3	2013	3	2013
13	4	4	10	4	2010	2	2010
14	8	4	10	4	2011	2	2011
15	12	4	10	4	2012	2	2012
16	16	4	10	4	2013	2	2013

Merge Join

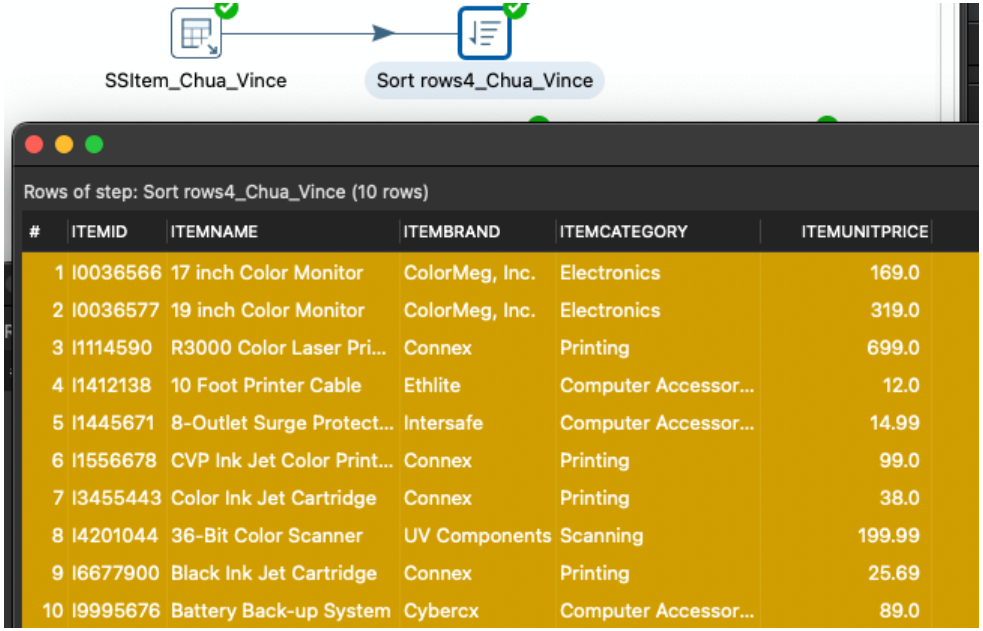


#	SalesUnits	CustID	StoreID	ItemID	Day	Month	Year	SalesDollar	SalesCost	TIMENO	TIMEDAY	TIMEMONTH	TIMEQUARTER	TIMEYEAR	TIMEDAYOFWEEK	TIMEFISCALYEAR
1	555	C1010398	S1010398	I0036566	1.0	2.0	2012.0	5555.0	5555.0	9	1	2	1	2012	2	2012
2	898	C1010398	S1010398	I0036566	1.0	2.0	2012.0	8998.0	8999.0	9	1	2	1	2012	2	2012
3	445	C1010398	S1010398	I0036566	1.0	2.0	2012.0	4455.0	5555.0	9	1	2	1	2012	2	2012
4	666	C8574932	S9432910	I0036577	1.0	5.0	2011.0	6666.0	6666.0	6	1	5	2	2011	4	2011
5	558	C99999...	S9432910	I0036577	1.0	5.0	2011.0	5885.0	6666.0	6	1	5	2	2011	4	2011
6	777	C0954327	S0954327	I0036566	3.0	7.0	2011.0	7777.0	7777.0	7	3	7	3	2011	3	2011
7	797	C0954327	S0954327	I0036566	3.0	7.0	2011.0	7997.0	7997.0	7	3	7	3	2011	3	2011
8	778	C0954327	S0954327	I0036566	3.0	7.0	2011.0	9997.0	9997.0	7	3	7	3	2011	3	2011
9	112	C0954327	S0954327	I0036566	3.0	7.0	2011.0	1112.0	7777.0	7	3	7	3	2011	3	2011



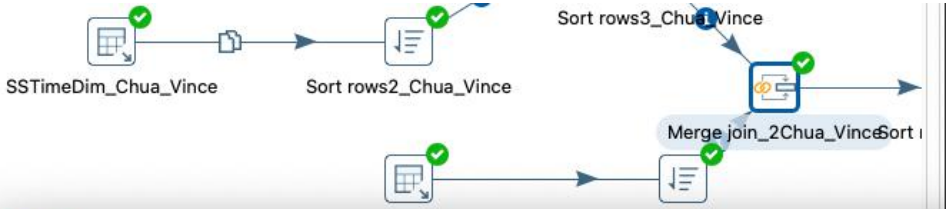


#	SalesUnits	CustID	StoreID	ItemID	Day	Month	Year	SalesDollar	SalesCost	TIMENO	TIMEDAY	TIMEMON
1	555	C1010398	S1010398	I0036566	1.0	2.0	2012.0	5555.0	5555.0	9	1	
2	898	C1010398	S1010398	I0036566	1.0	2.0	2012.0	8998.0	8999.0	9	1	
3	445	C1010398	S1010398	I0036566	1.0	2.0	2012.0	4455.0	5555.0	9	1	
4	777	C0954327	S0954327	I0036566	3.0	7.0	2011.0	7777.0	7777.0	7	3	
5	797	C0954327	S0954327	I0036566	3.0	7.0	2011.0	7997.0	7997.0	7	3	
6	778	C0954327	S0954327	I0036566	3.0	7.0	2011.0	9997.0	9997.0	7	3	
7	112	C0954327	S0954327	I0036566	3.0	7.0	2011.0	1112.0	7777.0	7	3	
8	666	C8574932	S9432910	I0036577	1.0	5.0	2011.0	6666.0	6666.0	6	1	



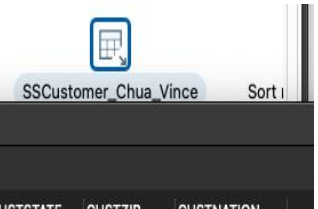
Rows of step: Sort rows4_Chua_Vince (10 rows)

#	ITEMID	ITEMNAME	ITEMBRAND	ITEMCATEGORY	ITEMUNITPRICE
1	I0036566	17 inch Color Monitor	ColorMeg, Inc.	Electronics	169.0
2	I0036577	19 inch Color Monitor	ColorMeg, Inc.	Electronics	319.0
3	I1114590	R3000 Color Laser Pri...	Connex	Printing	699.0
4	I1412138	10 Foot Printer Cable	Ethlite	Computer Accessor...	12.0
5	I1445671	8-Outlet Surge Protect...	Intersafe	Computer Accessor...	14.99
6	I1556678	CVP Ink Jet Color Print...	Connex	Printing	99.0
7	I3455443	Color Ink Jet Cartridge	Connex	Printing	38.0
8	I4201044	36-Bit Color Scanner	UV Components	Scanning	199.99
9	I6677900	Black Ink Jet Cartridge	Connex	Printing	25.69
10	I9995676	Battery Back-up System	Cybercx	Computer Accessor...	89.0



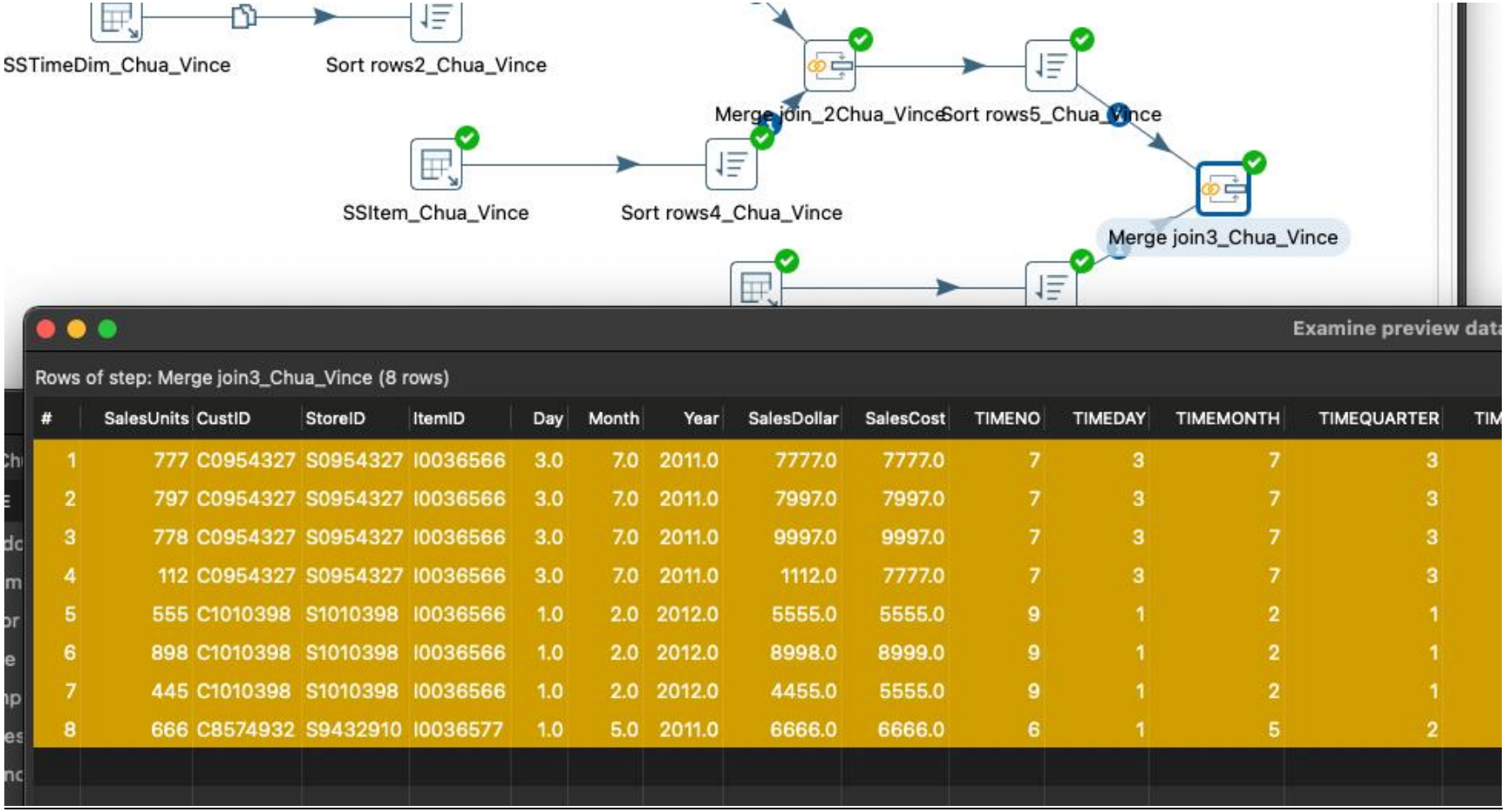
Rows of step: Merge join_2Chua_Vince (9 rows)

#	SalesUnits	CustID	StoreID	ItemID	Day	Month	Year	SalesDollar	SalesCost	TIMENO
1	555	C1010398	S1010398	I0036566	1.0	2.0	2012.0	5555.0	5555.0	9
2	898	C1010398	S1010398	I0036566	1.0	2.0	2012.0	8998.0	8999.0	9
3	445	C1010398	S1010398	I0036566	1.0	2.0	2012.0	4455.0	5555.0	9
4	777	C0954327	S0954327	I0036566	3.0	7.0	2011.0	7777.0	7777.0	7
5	797	C0954327	S0954327	I0036566	3.0	7.0	2011.0	7997.0	7997.0	7
6	778	C0954327	S0954327	I0036566	3.0	7.0	2011.0	9997.0	9997.0	7
7	112	C0954327	S0954327	I0036566	3.0	7.0	2011.0	1112.0	7777.0	7
8	666	C8574932	S9432910	I0036577	1.0	5.0	2011.0	6666.0	6666.0	6
9	558	C99999...	S9432910	I0036577	1.0	5.0	2011.0	5885.0	6666.0	6

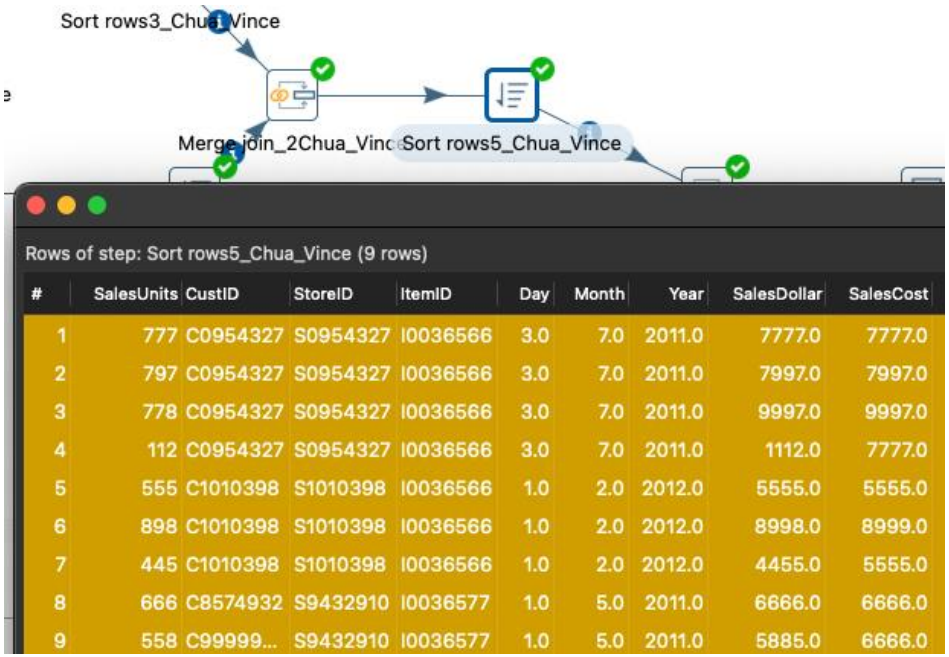


Rows of step: SSCustomer_Chua_Vince (11 rows)

#	CUSTID	CUSTNAME	CUSTPHONE	CUSTSTREET	CUSTCITY	CUSTSTATE	CUSTZIP	CUSTNATION
1	C0954327	Sheri Gordon	(303)123-12...	336 Hill St.	Littleton	CO	80129-55...	USA
2	C1010398	Jim Glussman	(303)321-98...	1432 E. Ravenna	Denver	CO	80111-0033	USA
3	C2388597	Beth Taylor	(206)124-98...	2396 Rafter Rd	Seattle	WA	98103-1121	USA
4	C33409...	Betty Wise	(206)421-12...	4334 153rd NW	Seattle	WA	98178-3311	USA
5	C8543321	Ron Thompson	(206)891-76...	789 122nd St.	Renton	WA	98666-12...	USA
6	C8574932	Wally Jones	(206)391-85...	411 Webber Ave.	Seattle	WA	98105-1093	USA
7	C86543...	Candy Kendall	(206)561-22...	456 Pine St.	Seattle	WA	98105-33...	USA
8	C9128574	Jerry Wyatt	(303)821-12...	16212 123rd Ct.	Denver	CO	80222-00...	USA
9	C94033...	Mike Boren	(303)821-56...	642 Crest Ave.	Englewood	CO	80113-5431	USA
10	C9432910	Larry Styles	(406)921-76...	9825 S. Crest La...	Vancouver	BC	98104-2211	Canada
11	C9543029	Sharon Johnson	(406)921-4...	1223 Meyer Way	Surrey	BC	98222-1123	Canada

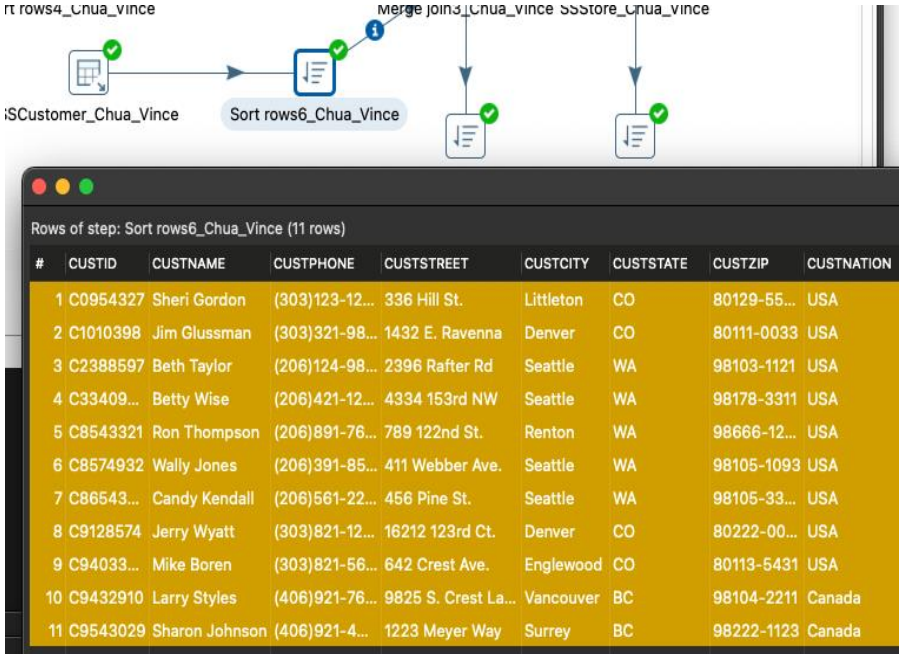


#	SalesUnits	CustID	StoreID	ItemID	Day	Month	Year	SalesDollar	SalesCost	TIMENO	TIMEDAY	TIMEMONTH	TIMEQUARTER	TIM
1	777	C0954327	S0954327	I0036566	3.0	7.0	2011.0	7777.0	7777.0	7	3	7	3	
2	797	C0954327	S0954327	I0036566	3.0	7.0	2011.0	7997.0	7997.0	7	3	7	3	
3	778	C0954327	S0954327	I0036566	3.0	7.0	2011.0	9997.0	9997.0	7	3	7	3	
4	112	C0954327	S0954327	I0036566	3.0	7.0	2011.0	1112.0	7777.0	7	3	7	3	
5	555	C1010398	S1010398	I0036566	1.0	2.0	2012.0	5555.0	5555.0	9	1	2	1	
6	898	C1010398	S1010398	I0036566	1.0	2.0	2012.0	8998.0	8999.0	9	1	2	1	
7	445	C1010398	S1010398	I0036566	1.0	2.0	2012.0	4455.0	5555.0	9	1	2	1	
8	666	C8574932	S9432910	I0036577	1.0	5.0	2011.0	6666.0	6666.0	6	1	5	2	



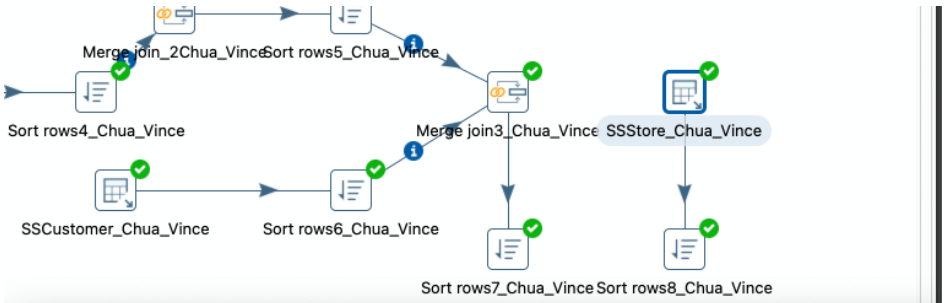
Rows of step: Sort rows5_Chua_Vince (9 rows)

#	SalesUnits	CustID	StoreID	ItemID	Day	Month	Year	SalesDollar	SalesCost
1	777	C0954327	S0954327	I0036566	3.0	7.0	2011.0	7777.0	7777.0
2	797	C0954327	S0954327	I0036566	3.0	7.0	2011.0	7997.0	7997.0
3	778	C0954327	S0954327	I0036566	3.0	7.0	2011.0	9997.0	9997.0
4	112	C0954327	S0954327	I0036566	3.0	7.0	2011.0	1112.0	7777.0
5	555	C1010398	S1010398	I0036566	1.0	2.0	2012.0	5555.0	5555.0
6	898	C1010398	S1010398	I0036566	1.0	2.0	2012.0	8998.0	8999.0
7	445	C1010398	S1010398	I0036566	1.0	2.0	2012.0	4455.0	5555.0
8	666	C8574932	S9432910	I0036577	1.0	5.0	2011.0	6666.0	6666.0
9	558	C99999...	S9432910	I0036577	1.0	5.0	2011.0	5885.0	6666.0



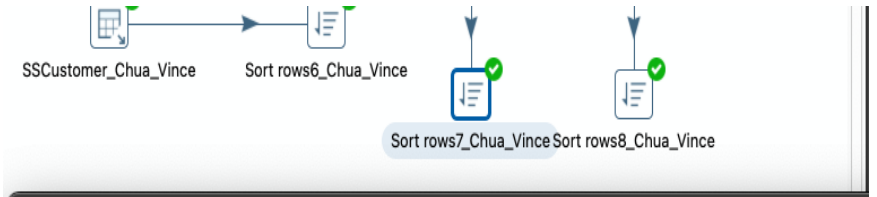
Rows of step: Sort rows6_Chua_Vince (11 rows)

#	CUSTID	CUSTNAME	CUSTPHONE	CUSTSTREET	CUSTCITY	CUSTSTATE	CUSTZIP	CUSTNATION
1	C0954327	Sheri Gordon	(303)123-12...	336 Hill St.	Littleton	CO	80129-55...	USA
2	C1010398	Jim Glussman	(303)321-98...	1432 E. Ravenna	Denver	CO	80111-0033	USA
3	C2388597	Beth Taylor	(206)124-98...	2396 Rafter Rd	Seattle	WA	98103-1121	USA
4	C33409...	Betty Wise	(206)421-12...	4334 153rd NW	Seattle	WA	98178-3311	USA
5	C8543321	Ron Thompson	(206)891-76...	789 122nd St.	Renton	WA	98666-12...	USA
6	C8574932	Wally Jones	(206)391-85...	411 Webber Ave.	Seattle	WA	98105-1093	USA
7	C86543...	Candy Kendall	(206)561-22...	456 Pine St.	Seattle	WA	98105-33...	USA
8	C9128574	Jerry Wyatt	(303)821-12...	16212 123rd Ct.	Denver	CO	80222-00...	USA
9	C94033...	Mike Boren	(303)821-56...	642 Crest Ave.	Englewood	CO	80113-5431	USA
10	C9432910	Larry Styles	(406)921-76...	9825 S. Crest La...	Vancouver	BC	98104-2211	Canada
11	C9543029	Sharon Johnson	(406)921-4...	1223 Meyer Way	Surrey	BC	98222-1123	Canada



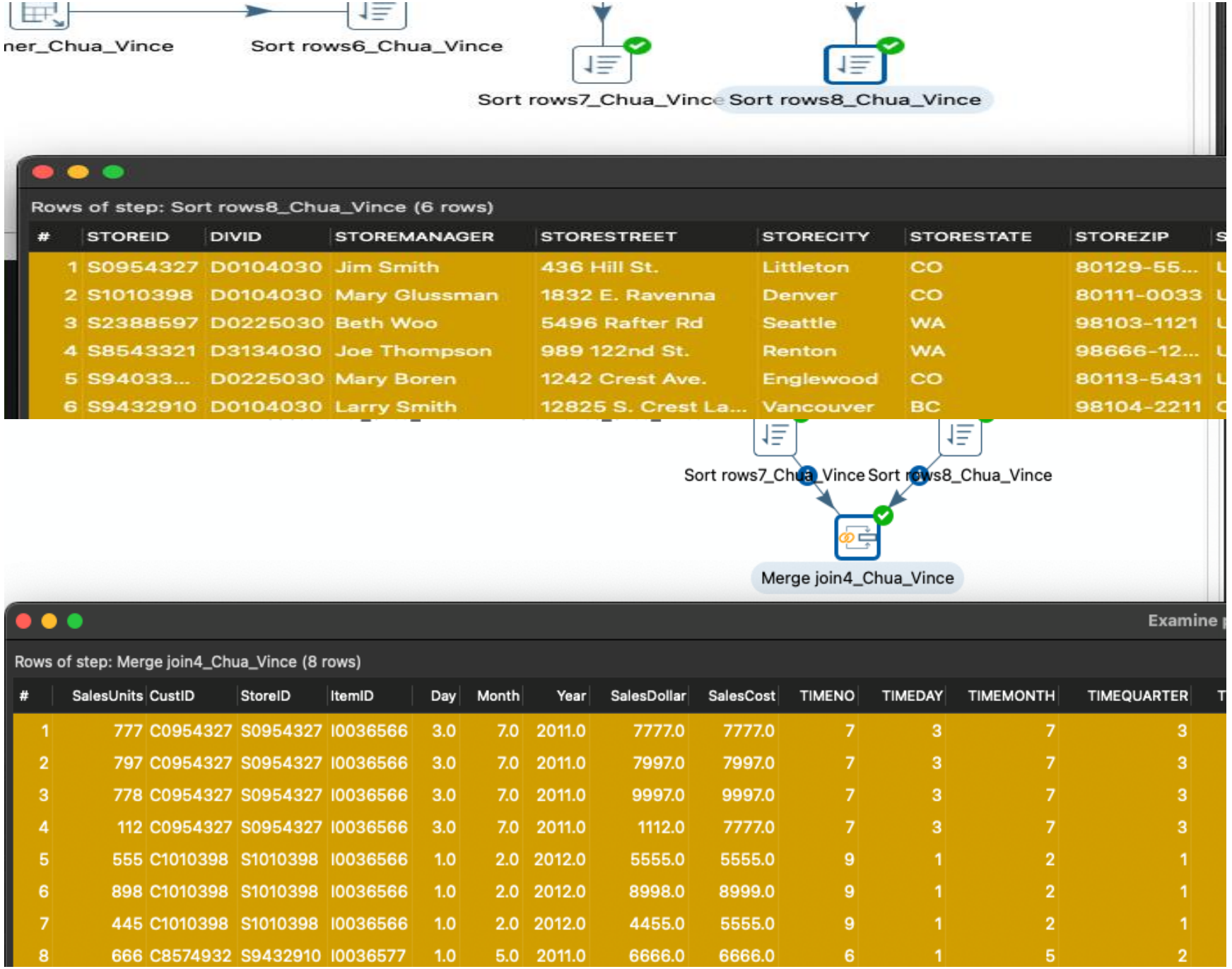
Rows of step: SSStore_Chua_Vince (6 rows)

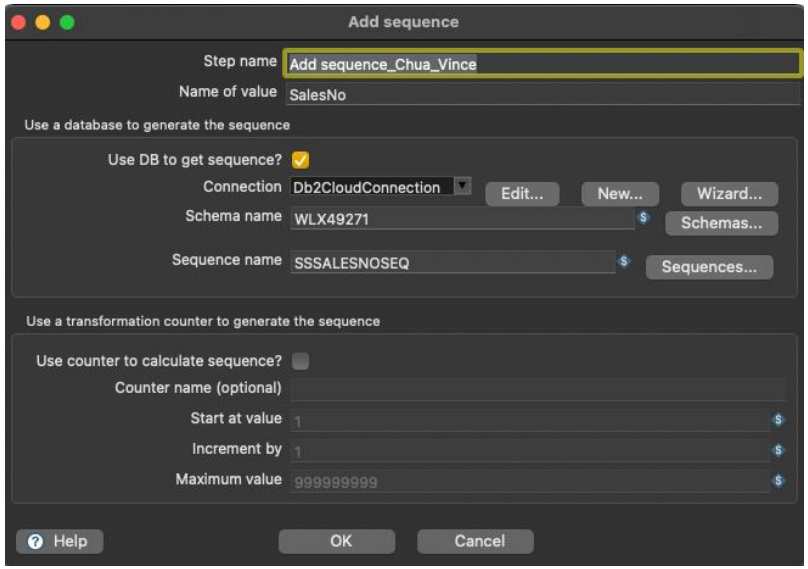
#	STOREID	DIVID	STOREMANAGER	STORESTREET	STORECITY	STORESTATE	STOREZIP	STORENATION
1	S0954327	D0104030	Jim Smith	436 Hill St.	Littleton	CO	80129-55...	USA
2	S1010398	D0104030	Mary Glussman	1832 E. Ravenna	Denver	CO	80111-0033	USA
3	S2388597	D0225030	Beth Woo	5496 Rafter Rd	Seattle	WA	98103-1121	USA
4	S8543321	D3134030	Joe Thompson	989 122nd St.	Renton	WA	98666-12...	USA
5	S94033...	D0225030	Mary Boren	1242 Crest Ave.	Englewood	CO	80113-5431	USA
6	S9432910	D0104030	Larry Smith	12825 S. Crest La...	Vancouver	BC	98104-2211	Canada

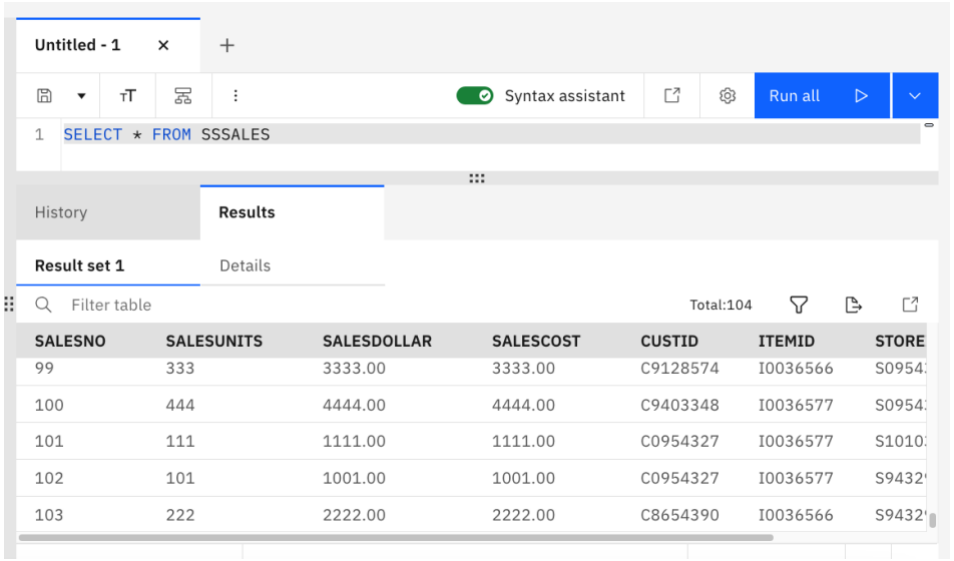


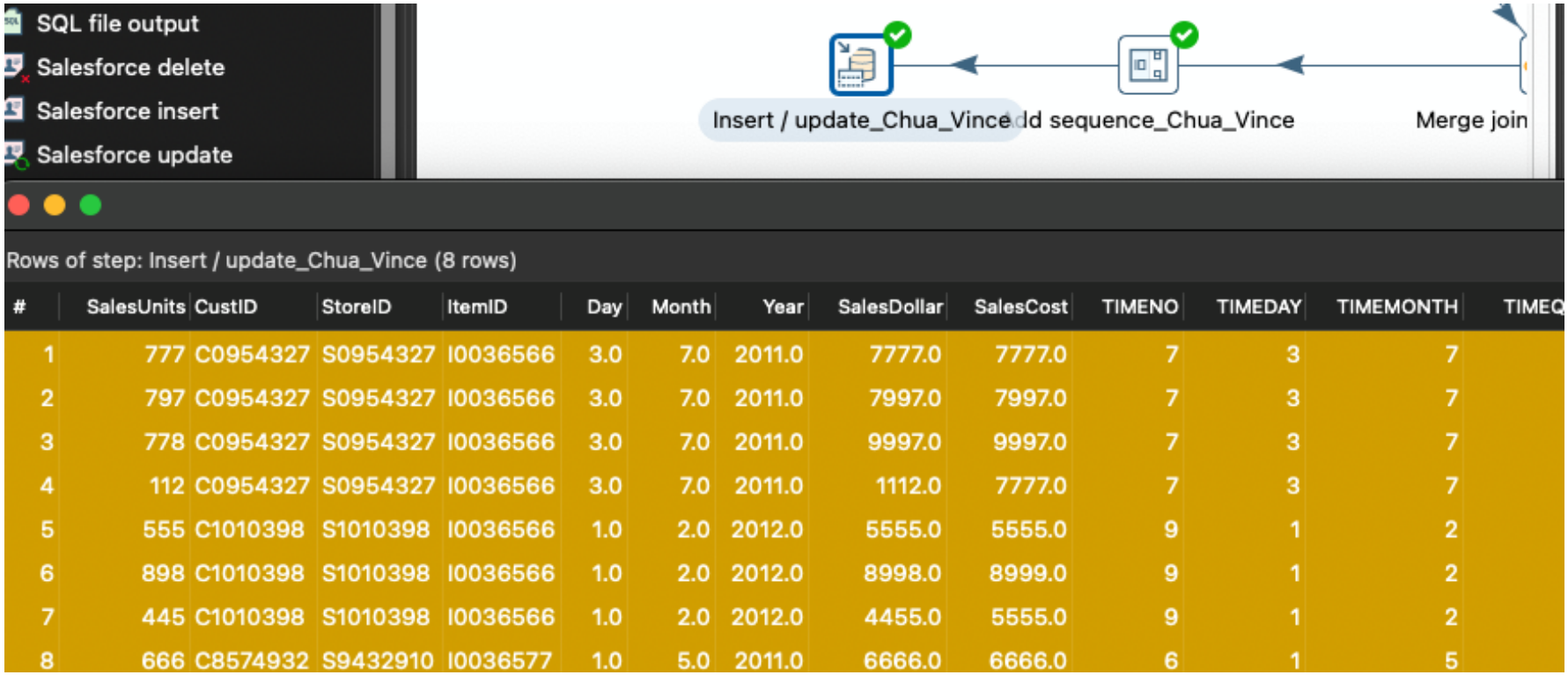
Rows of step: Sort rows7_Chua_Vince (8 rows)

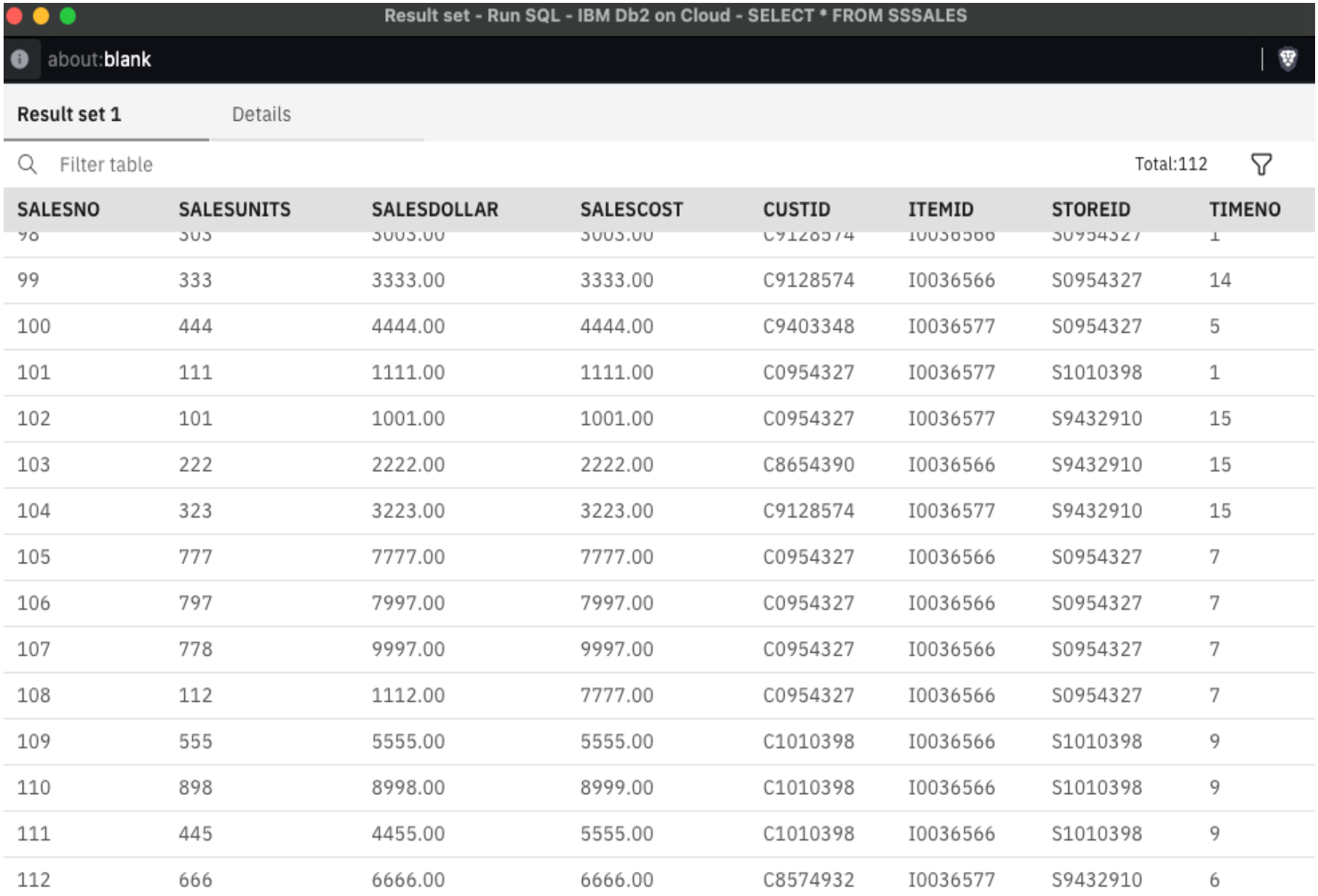
#	SalesUnits	CustID	StoreID	ItemID	Day	Month	Year	SalesDollar	SalesCost	TIMENO	TIMEDAY	TI
1	777	C0954327	S0954327	I0036566	3.0	7.0	2011.0	7777.0	7777.0	7	3	
2	797	C0954327	S0954327	I0036566	3.0	7.0	2011.0	7997.0	7997.0	7	3	
3	778	C0954327	S0954327	I0036566	3.0	7.0	2011.0	9997.0	9997.0	7	3	
4	112	C0954327	S0954327	I0036566	3.0	7.0	2011.0	1112.0	7777.0	7	3	
5	555	C1010398	S1010398	I0036566	1.0	2.0	2012.0	5555.0	5555.0	9	1	
6	898	C1010398	S1010398	I0036566	1.0	2.0	2012.0	8998.0	8999.0	9	1	
7	445	C1010398	S1010398	I0036566	1.0	2.0	2012.0	4455.0	5555.0	9	1	
8	666	C8574932	S9432910	I0036577	1.0	5.0	2011.0	6666.0	6666.0	6	1	


ner_Chua_Vince
Sort rows6_Chua_Vince
Sort rows7_Chua_Vince
Sort rows8_Chua_Vince
Rows of step: Sort rows8_Chua_Vince (6 rows)
STOREID DIVID STOREMANAGER STORESTREET STORECITY STORESTATE STOREZIP
1 S0954327 D0104030 Jim Smith 436 Hill St. Littleton CO 80129-55...
2 S1010398 D0104030 Mary Glussman 1832 E. Ravenna Denver CO 80111-0033
3 S2388597 D0225030 Beth Woo 5496 Rafter Rd Seattle WA 98103-1121
4 S8543321 D3134030 Joe Thompson 989 122nd St. Renton WA 98666-12...
5 S94033... D0225030 Mary Boren 1242 Crest Ave. Englewood CO 80113-5431
6 S9432910 D0104030 Larry Smith 12825 S. Crest La... Vancouver BC 98104-2211
Sort rows7_Chua_Vince
Sort rows8_Chua_Vince
Merge join4_Chua_Vince
Examine
Rows of step: Merge join4_Chua_Vince (8 rows)
SalesUnits CustID StoreID ItemID Day Month Year SalesDollar SalesCost TIMENO TIMEDAY TIMEMONTH TIMEQUARTER
1 777 C0954327 S0954327 I0036566 3.0 7.0 2011.0 7777.0 7777.0 7 3 7 3
2 797 C0954327 S0954327 I0036566 3.0 7.0 2011.0 7997.0 7997.0 7 3 7 3
3 778 C0954327 S0954327 I0036566 3.0 7.0 2011.0 9997.0 9997.0 7 3 7 3
4 112 C0954327 S0954327 I0036566 3.0 7.0 2011.0 1112.0 7777.0 7 3 7 3
5 555 C1010398 S1010398 I0036566 1.0 2.0 2012.0 5555.0 5555.0 9 1 2 1
6 898 C1010398 S1010398 I0036566 1.0 2.0 2012.0 8998.0 8999.0 9 1 2 1
7 445 C1010398 S1010398 I0036566 1.0 2.0 2012.0 4455.0 5555.0 9 1 2 1
8 666 C8574932 S9432910 I0036577 1.0 5.0 2011.0 6666.0 6666.0 6 1 5 2


Add sequence
Step name
Add sequence_Chua_Vince
Name of value
SalesNo
Use a database to generate the sequence
Use DB to get sequence?
Connection
Db2CloudConnection
Edit...
New...
Wizard...
Schema name
WLX49271
Schemas...
Sequence name
SSSALESNOSEQ
Sequences...
Use a transformation counter to generate the sequence
Use counter to calculate sequence?
Counter name (optional)
Start at value
Increment by
Maximum value
999999999
Help
OK
Cancel


Untitled - 1
Syntax assistant
Run all
1 SELECT * FROM SSSALES
History
Results
Result set 1
Details
Filter table
Total:104
SALESNO SALESUNITS SALESDOLLAR SALESCOST CUSTID ITEMID STORE
99 333 3333.00 3333.00 C9128574 I0036566 S0954
100 444 4444.00 4444.00 C9403348 I0036577 S0954
101 111 1111.00 1111.00 C0954327 I0036577 S1010
102 101 1001.00 1001.00 C0954327 I0036577 S9432
103 222 2222.00 2222.00 C8654390 I0036566 S9432


SQL file output
Salesforce delete
Salesforce insert
Salesforce update
Insert / update_Chua_Vince
dd sequence_Chua_Vince
Merge join
Rows of step: Insert / update_Chua_Vince (8 rows)
SalesUnits CustID StoreID ItemID Day Month Year SalesDollar SalesCost TIMENO TIMEDAY TIMEMONTH TIMEQ
1 777 C0954327 S0954327 I0036566 3.0 7.0 2011.0 7777.0 7777.0 7 3 7
2 797 C0954327 S0954327 I0036566 3.0 7.0 2011.0 7997.0 7997.0 7 3 7
3 778 C0954327 S0954327 I0036566 3.0 7.0 2011.0 9997.0 9997.0 7 3 7
4 112 C0954327 S0954327 I0036566 3.0 7.0 2011.0 1112.0 7777.0 7 3 7
5 555 C1010398 S1010398 I0036566 1.0 2.0 2012.0 5555.0 5555.0 9 1 2
6 898 C1010398 S1010398 I0036566 1.0 2.0 2012.0 8998.0 8999.0 9 1 2
7 445 C1010398 S1010398 I0036566 1.0 2.0 2012.0 4455.0 5555.0 9 1 2
8 666 C8574932 S9432910 I0036577 1.0 5.0 2011.0 6666.0 6666.0 6 1 5



SALESNO	SALESUNITS	SALESDOLLAR	SALESCOST	CUSTID	ITEMID	STOREID	TIMENO
98	303	3003.00	3003.00	C9128574	I0036566	S0954327	1
99	333	3333.00	3333.00	C9128574	I0036566	S0954327	14
100	444	4444.00	4444.00	C9403348	I0036577	S0954327	5
101	111	1111.00	1111.00	C0954327	I0036577	S1010398	1
102	101	1001.00	1001.00	C0954327	I0036577	S9432910	15
103	222	2222.00	2222.00	C8654390	I0036566	S9432910	15
104	323	3223.00	3223.00	C9128574	I0036577	S9432910	15
105	777	7777.00	7777.00	C0954327	I0036566	S0954327	7
106	797	7997.00	7997.00	C0954327	I0036566	S0954327	7
107	778	9997.00	9997.00	C0954327	I0036566	S0954327	7
108	112	1112.00	7777.00	C0954327	I0036566	S0954327	7
109	555	5555.00	5555.00	C1010398	I0036566	S1010398	9
110	898	8998.00	8999.00	C1010398	I0036566	S1010398	9
111	445	4455.00	5555.00	C1010398	I0036566	S1010398	9
112	666	6666.00	6666.00	C8574932	I0036577	S9432910	6