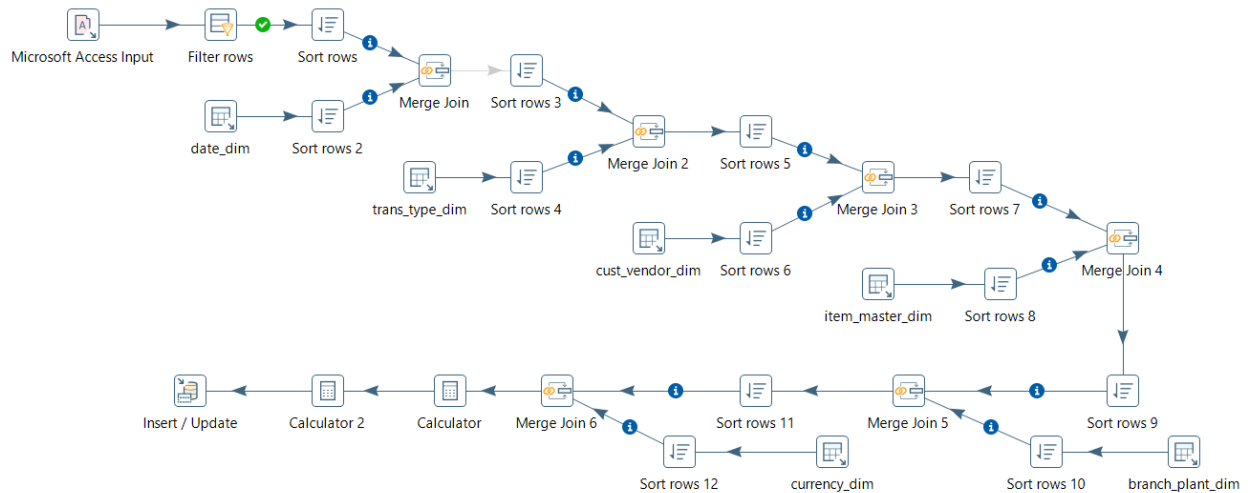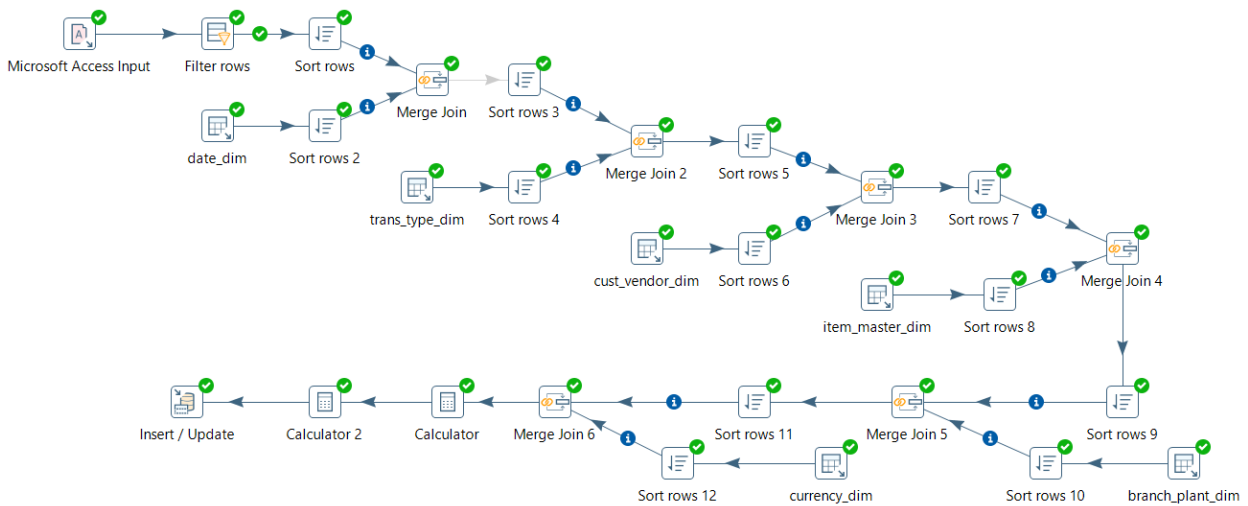# Module 5 Assignment Solution

Part 1 Result Snapshots

Access transformation design using Insert/Update step

Result for Access transformation using Insert/Update step

Step Metrics

Execution Results

Logging | Execution History | Step Metrics | Performance Graph | Metrics | Preview data

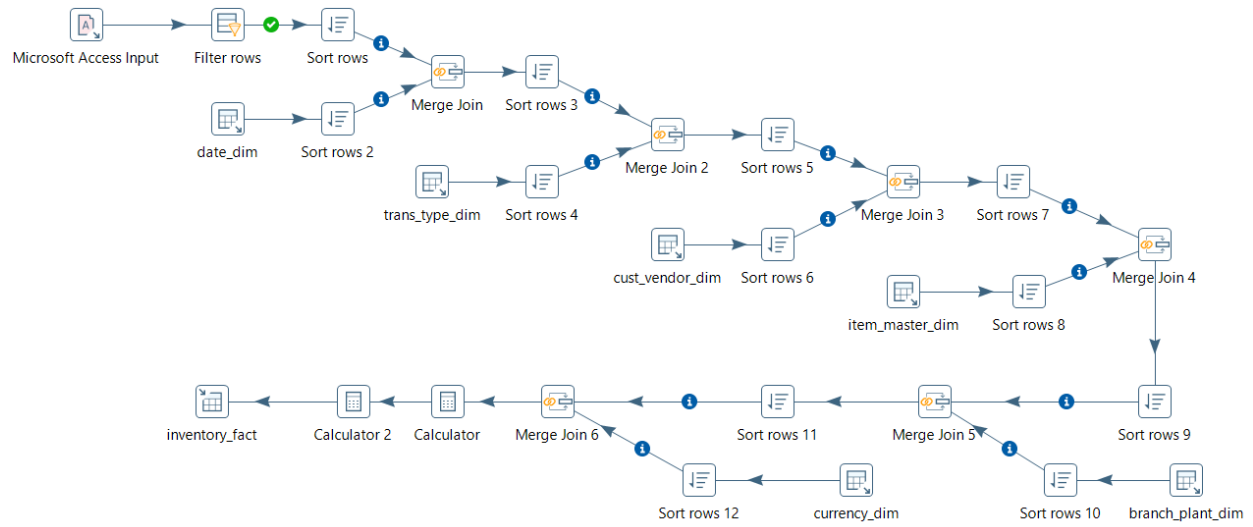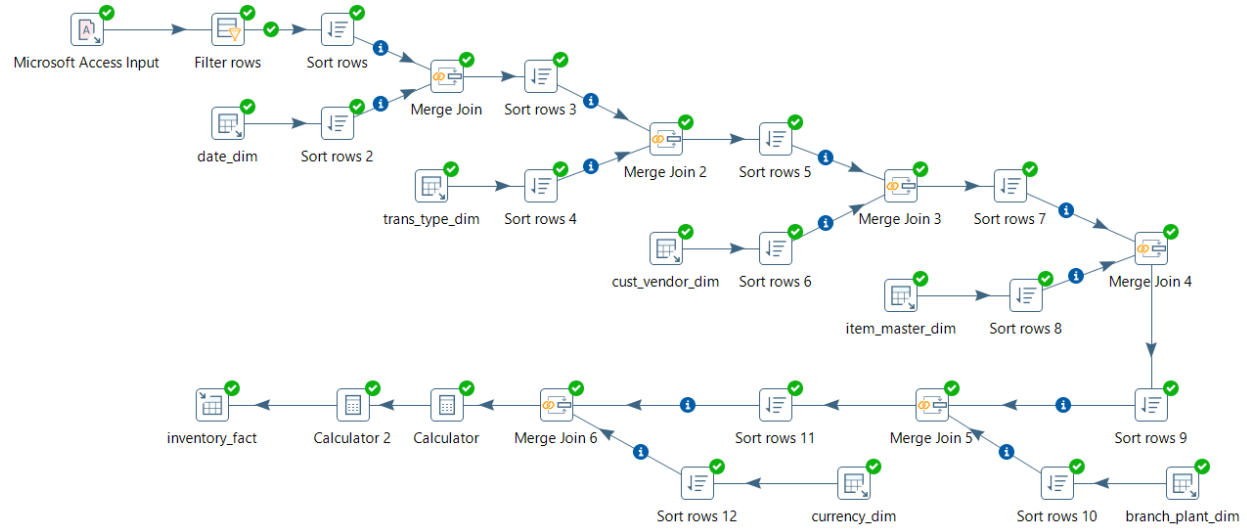| #	Stepname	Copynr	Read	Written	Input	Output	Updated	Rejected	Errors	Active	Time	Speed (r/s)	input/output
1	trans_type_dim	0	0	5	5	0	0	0	0	Finished	0.0s	312	-
2	Sort rows 4	0	5	5	0	0	0	0	0	Finished	0.0s	217	-
3	date_dim	0	0	104	104	0	0	0	0	Finished	0.0s	6,118	-
4	item_master_dim	0	0	20	20	0	0	0	0	Finished	0.0s	1,176	-
5	Microsoft Access Input	0	0	16	16	0	0	0	0	Finished	0.0s	1,600	-
6	Filter rows	0	16	14	0	0	0	0	0	Finished	0.0s	410	-
7	branch_plant_dim	0	0	20	20	0	0	0	0	Finished	0.0s	1,111	-
8	cust_vendor_dim	0	0	20	20	0	0	0	0	Finished	0.0s	952	-
9	Sort rows	0	14	14	0	0	0	0	0	Finished	0.1s	197	-
10	Sort rows 2	0	104	104	0	0	0	0	0	Finished	0.0s	4,522	-
11	Merge Join	0	118	12	0	0	0	0	0	Finished	0.4s	274	-
12	Sort rows 3	0	12	12	0	0	0	0	0	Finished	0.5s	26	-
13	currency_dim	0	0	4	4	0	0	0	0	Finished	0.0s	200	-
14	Sort rows 10	0	20	20	0	0	0	0	0	Finished	0.0s	870	-
15	Sort rows 8	0	20	20	0	0	0	0	0	Finished	0.0s	870	-
16	Sort rows 6	0	20	20	0	0	0	0	0	Finished	0.1s	364	-
17	Merge Join 2	0	17	12	0	0	0	0	0	Finished	0.8s	20	-
18	Sort rows 5	0	12	12	0	0	0	0	0	Finished	0.9s	14	-
19	Merge Join 3	0	32	11	0	0	0	0	0	Finished	1.2s	26	-
20	Sort rows 7	0	11	11	0	0	0	0	0	Finished	1.3s	9	-
21	Merge Join 4	0	31	11	0	0	0	0	0	Finished	1.6s	19	-
22	Sort rows 9	0	11	11	0	0	0	0	0	Finished	1.7s	6	-
23	Merge Join 5	0	31	11	0	0	0	0	0	Finished	2.1s	15	-
24	Sort rows 11	0	11	11	0	0	0	0	0	Finished	2.1s	5	-
25	Sort rows 12	0	4	4	0	0	0	0	0	Finished	0.0s	174	-
26	Merge Join 6	0	15	11	0	0	0	0	0	Finished	2.4s	6	-
27	Calculator	0	11	11	0	0	0	0	0	Finished	2.5s	4	-
28	Calculator 2	0	11	11	0	0	0	0	0	Finished	2.5s	4	-
29	Insert / update	0	11	11	11	4	0	0	0	Finished	2.5s	4	-

Access transformation design using Table output step

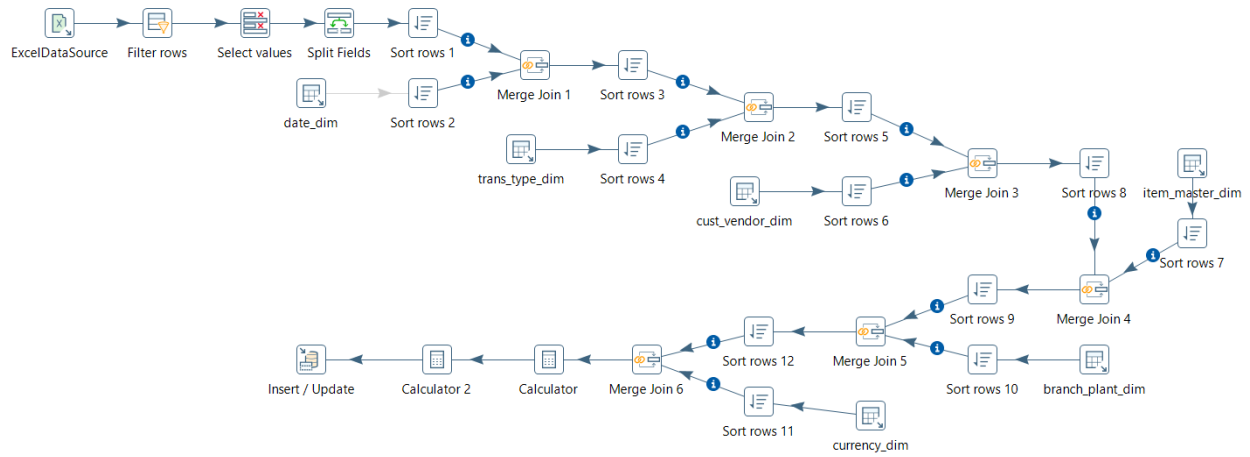## Result for Access transformation using Table/Output step

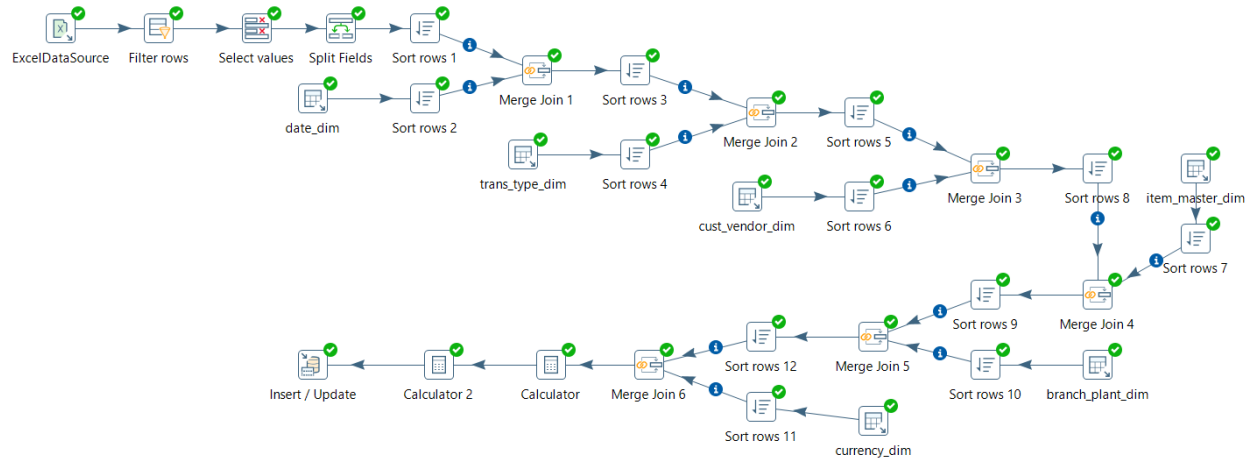## Step Metrics for Access Transformation

Execution Results

Logging | Execution History | Step Metrics | Performance Graph | Metrics | Preview data

#	Stepname	Copynr	Read	Written	Input	Output	Updated	Rejected	Errors	Active	Time	Speed (r/s)	input/output
1	trans_type_dim	0	0	5	5	0	0	0	0	Finished	0.0s	294	-
2	Sort rows 4	0	5	5	0	0	0	0	0	Finished	0.0s	125	-
3	date_dim	0	0	104	104	0	0	0	0	Finished	0.0s	6,118	-
4	item_master_dim	0	0	20	20	0	0	0	0	Finished	0.0s	1,176	-
5	Microsoft Access Input	0	0	16	16	0	0	0	0	Finished	0.0s	1,600	-
6	Filter rows	0	16	14	0	0	0	0	0	Finished	0.1s	286	-
7	branch_plant_dim	0	0	20	20	0	0	0	0	Finished	0.0s	1,176	-
8	cust_vendor_dim	0	0	20	20	0	0	0	0	Finished	0.0s	952	-
9	Sort rows	0	14	14	0	0	0	0	0	Finished	0.1s	161	-
10	Sort rows 2	0	104	104	0	0	0	0	0	Finished	0.1s	1,824	-
11	Merge Join	0	118	12	0	0	0	0	0	Finished	0.5s	254	-
12	Sort rows 3	0	12	12	0	0	0	0	0	Finished	0.5s	24	-
13	currency_dim	0	0	4	4	0	0	0	0	Finished	0.0s	200	-
14	Sort rows 10	0	20	20	0	0	0	0	0	Finished	0.1s	357	-
15	Sort rows 8	0	20	20	0	0	0	0	0	Finished	0.1s	357	-
16	Sort rows 6	0	20	20	0	0	0	0	0	Finished	0.1s	351	-
17	Merge Join 2	0	17	12	0	0	0	0	0	Finished	0.9s	20	-
18	Sort rows 5	0	12	12	0	0	0	0	0	Finished	0.9s	13	-
19	Merge Join 3	0	32	11	0	0	0	0	0	Finished	1.3s	25	-
20	Sort rows 7	0	11	11	0	0	0	0	0	Finished	1.3s	8	-
21	Merge Join 4	0	31	11	0	0	0	0	0	Finished	1.7s	18	-
22	Sort rows 9	0	11	11	0	0	0	0	0	Finished	1.7s	6	-
23	Merge Join 5	0	31	11	0	0	0	0	0	Finished	2.1s	15	-
24	Sort rows 11	0	11	11	0	0	0	0	0	Finished	2.1s	5	-
25	Sort rows 12	0	4	4	0	0	0	0	0	Finished	0.1s	70	-
26	Merge Join 6	0	15	11	0	0	0	0	0	Finished	2.5s	6	-
27	Calculator	0	11	11	0	0	0	0	0	Finished	2.5s	4	-
28	Calculator 2	0	11	11	0	0	0	0	0	Finished	2.5s	4	-
29	inventory_fact	0	11	11	0	11	0	0	0	Finished	2.6s	4	-

Part 2 Result Snapshots

Excel transformation design using Insert/Update step

Result for Excel transformation using Insert/Update step

Step Metrics for Excel Transformation using Insert/Update step

Not required but a good idea to include to demonstrate execution

Execution Results

Logging | Execution History | Step Metrics | Performance Graph | Metrics | Preview data

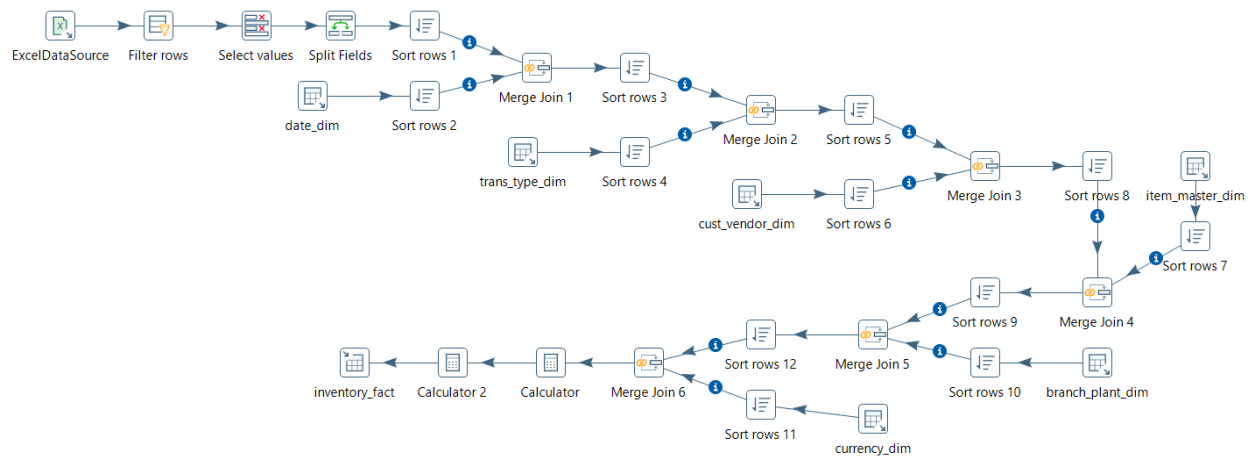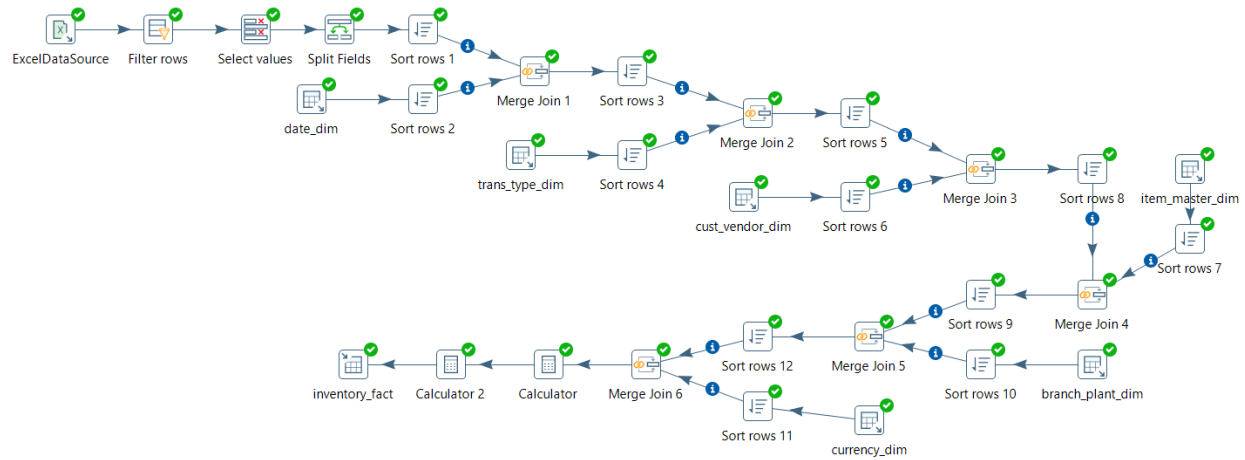| #	Stepname	Copynr	Read	Written	Input	Output	Updated	Rejected	Errors	Active	Time	Speed (r/s)	input/output
1	item_master_dim	0	0	20	20	0	0	0	0	Finished	0.5s	41	-
2	ExcelDataSource	0	0	15	15	0	0	0	0	Finished	0.5s	31	-
3	date_dim	0	0	104	104	0	0	0	0	Finished	0.5s	210	-
4	currency_dim	0	0	4	4	0	0	0	0	Finished	0.5s	8	-
5	Filter rows	0	15	13	0	0	0	0	0	Finished	0.5s	30	-
6	Select values	0	13	13	0	0	0	0	0	Finished	0.5s	25	-
7	trans_type_dim	0	0	5	5	0	0	0	0	Finished	0.5s	10	-
8	branch_plant_dim	0	0	20	20	0	0	0	0	Finished	0.5s	40	-
9	cust_vendor_dim	0	0	20	20	0	0	0	0	Finished	0.5s	40	-
10	Sort rows 2	0	104	104	0	0	0	0	0	Finished	0.5s	205	-
11	Split Fields	0	13	13	0	0	0	0	0	Finished	0.6s	24	-
12	Sort rows 1	0	13	13	0	0	0	0	0	Finished	0.6s	22	-
13	Merge Join 1	0	117	11	0	0	0	0	0	Finished	1.0s	122	-
14	Sort rows 11	0	4	4	0	0	0	0	0	Finished	0.5s	8	-
15	Sort rows 10	0	20	20	0	0	0	0	0	Finished	0.5s	39	-
16	Sort rows 7	0	20	20	0	0	0	0	0	Finished	0.5s	40	-
17	Sort rows 6	0	20	20	0	0	0	0	0	Finished	0.5s	39	-
18	Sort rows 4	0	5	5	0	0	0	0	0	Finished	0.5s	10	-
19	Sort rows 3	0	11	11	0	0	0	0	0	Finished	1.0s	11	-
20	Merge Join 2	0	16	11	0	0	0	0	0	Finished	1.4s	12	-
21	Sort rows 5	0	11	11	0	0	0	0	0	Finished	1.4s	8	-
22	Merge Join 3	0	31	10	0	0	0	0	0	Finished	1.8s	18	-
23	Sort rows 8	0	10	10	0	0	0	0	0	Finished	1.8s	6	-
24	Merge Join 4	0	30	10	0	0	0	0	0	Finished	2.2s	14	-
25	Sort rows 9	0	10	10	0	0	0	0	0	Finished	2.2s	4	-
26	Merge Join 5	0	30	10	0	0	0	0	0	Finished	2.6s	12	-
27	Sort rows 12	0	10	10	0	0	0	0	0	Finished	2.6s	4	-
28	Merge Join 6	0	14	10	0	0	0	0	0	Finished	3.0s	5	-
29	Calculator	0	10	10	0	0	0	0	0	Finished	3.0s	3	-
30	Calculator 2	0	10	10	0	0	0	0	0	Finished	3.0s	3	-
31	Insert / Update	0	10	10	10	6	0	0	0	Finished	3.1s	3	-

Excel transformation design using Table Output step

Result for Excel transformation using Table/Output step

Step Metrics for Excel Transformation using Table Output step

Execution Results

Logging | Execution History | Step Metrics | Performance Graph | Metrics | Preview data

#	Stepname	Copynr	Read	Written	Input	Output	Updated	Rejected	Errors	Active	Time	Speed (r/s)	input/output
1	trans_type_dim	0	0	5	5	0	0	0	0	Finished	0.5s	9	-
2	ExcelDataSource	0	0	15	15	0	0	0	0	Finished	0.5s	27	-
3	date_dim	0	0	104	104	0	0	0	0	Finished	0.5s	190	-
4	branch_plant_dim	0	0	20	20	0	0	0	0	Finished	0.5s	37	-
5	Filter rows	0	15	13	0	0	0	0	0	Finished	0.6s	27	-
6	Sort rows 2	0	104	104	0	0	0	0	0	Finished	0.6s	186	-
7	item_master_dim	0	0	20	20	0	0	0	0	Finished	0.5s	36	-
8	Select values	0	13	13	0	0	0	0	0	Finished	0.6s	22	-
9	cust_vendor_dim	0	0	20	20	0	0	0	0	Finished	0.5s	37	-
10	Split Fields	0	13	13	0	0	0	0	0	Finished	0.6s	21	-
11	currency_dim	0	0	4	4	0	0	0	0	Finished	0.5s	7	-
12	Sort rows 1	0	13	13	0	0	0	0	0	Finished	0.7s	20	-
13	Merge Join 1	0	117	11	0	0	0	0	0	Finished	1.0s	116	-
14	Sort rows 7	0	20	20	0	0	0	0	0	Finished	0.6s	36	-
15	Sort rows 10	0	20	20	0	0	0	0	0	Finished	0.6s	36	-
16	Sort rows 3	0	11	11	0	0	0	0	0	Finished	1.0s	10	-
17	Sort rows 6	0	20	20	0	0	0	0	0	Finished	0.6s	36	-
18	Sort rows 4	0	5	5	0	0	0	0	0	Finished	0.6s	9	-
19	Merge Join 2	0	16	11	0	0	0	0	0	Finished	1.4s	11	-
20	Sort rows 5	0	11	11	0	0	0	0	0	Finished	1.4s	8	-
21	Merge Join 3	0	31	10	0	0	0	0	0	Finished	1.8s	17	-
22	Sort rows 11	0	4	4	0	0	0	0	0	Finished	0.6s	7	-
23	Sort rows 8	0	10	10	0	0	0	0	0	Finished	1.8s	5	-
24	Merge Join 4	0	30	10	0	0	0	0	0	Finished	2.2s	13	-
25	Sort rows 9	0	10	10	0	0	0	0	0	Finished	2.3s	4	-
26	Merge Join 5	0	30	10	0	0	0	0	0	Finished	2.6s	11	-
27	Sort rows 12	0	10	10	0	0	0	0	0	Finished	2.7s	4	-
28	Merge Join 6	0	14	10	0	0	0	0	0	Finished	3.0s	5	-
29	Calculator	0	10	10	0	0	0	0	0	Finished	3.1s	3	-
30	Calculator 2	0	10	10	0	0	0	0	0	Finished	3.1s	3	-
31	inventory_fact	0	10	10	0	10	0	0	0	Finished	3.1s	3	-