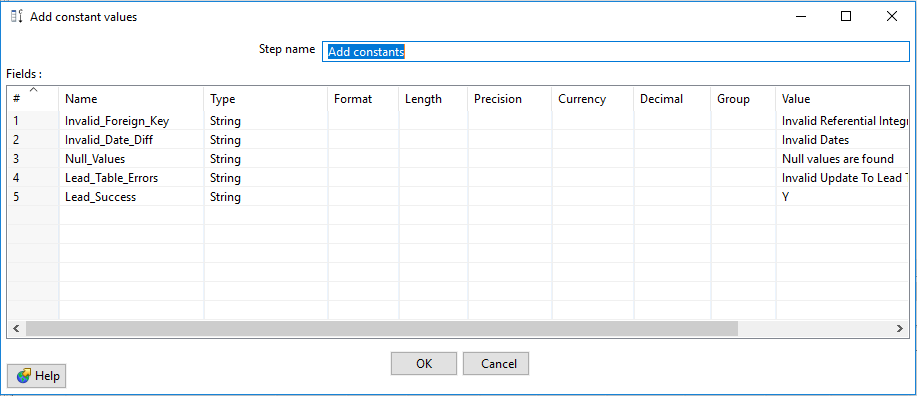
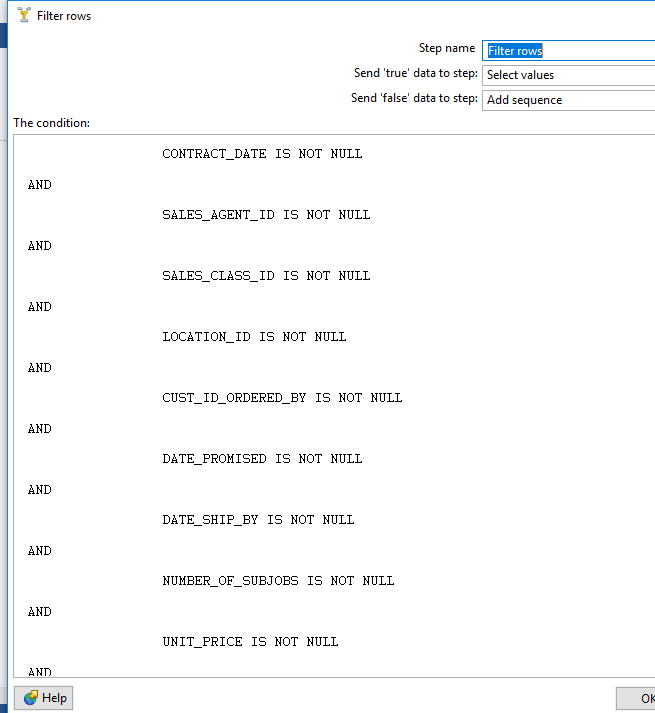
**Module 3 Assignment For Transformation of Test Data Warehouse As as a Source**

Following steps were done:

1. **Adding constants for Error Messages and Success Column in T\_Lead\_F Table**



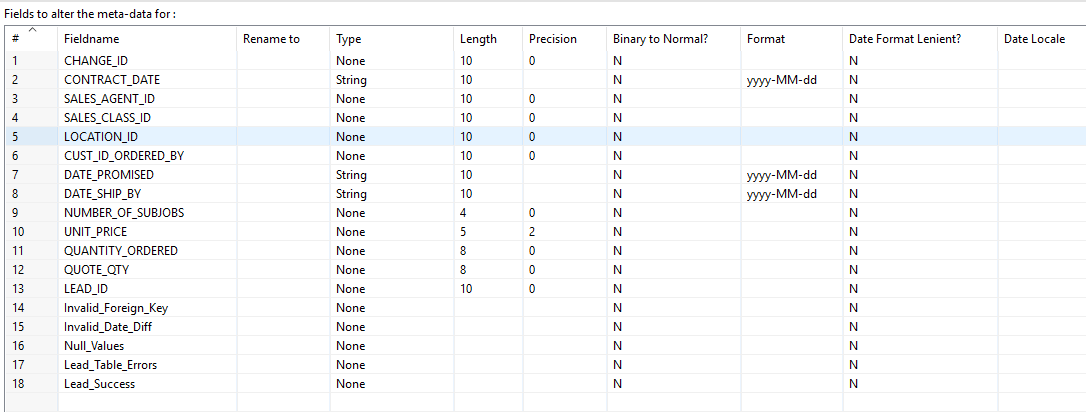
1. **Checking for NULL VALUES (Filter Rows)(Add rejected rows into T\_ERROR\_LOG)**

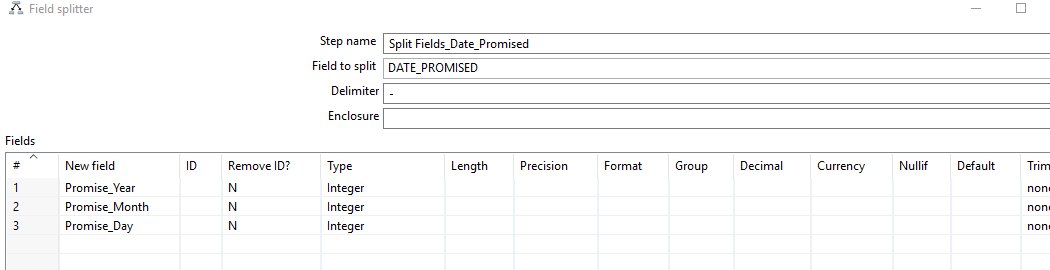


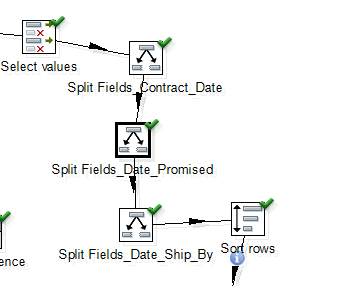
These are added in T\_ERROR\_LOG



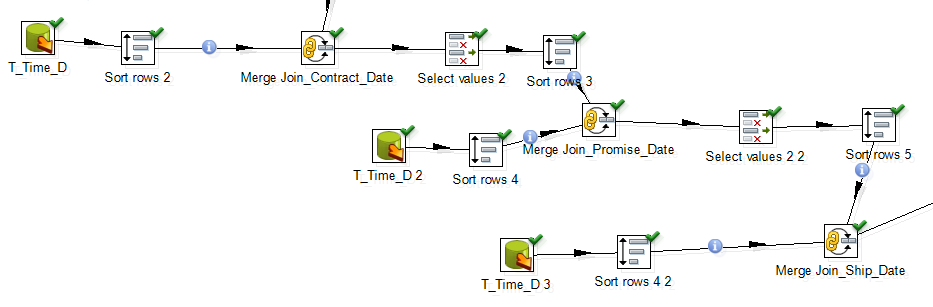
1. **Parsing of Dates is done(Using Select Values and Split Fields For Contract Date,Date\_Promised,Date\_Ship\_By)**



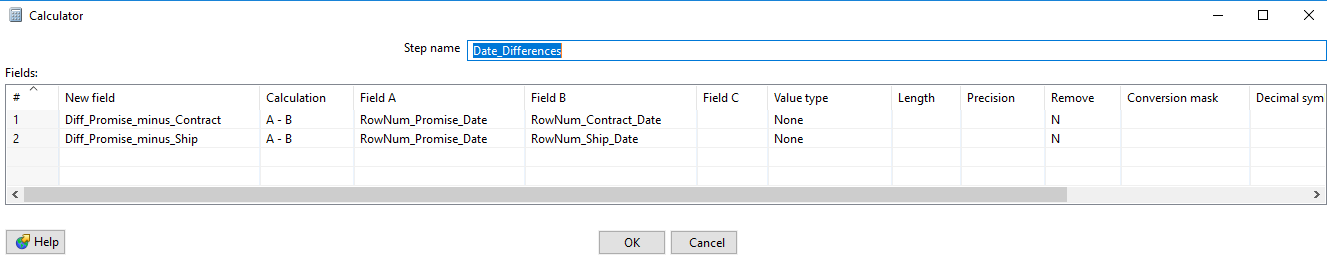




1. **Find Time\_Id from Time Dimension For each of three dates**

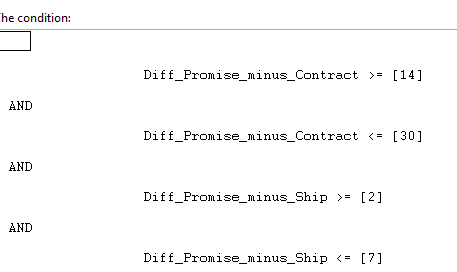


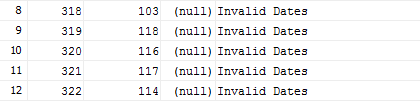
1. **Calculate Date Diff**



1. **Invalid Date Diff(Add to Error\_Log)**

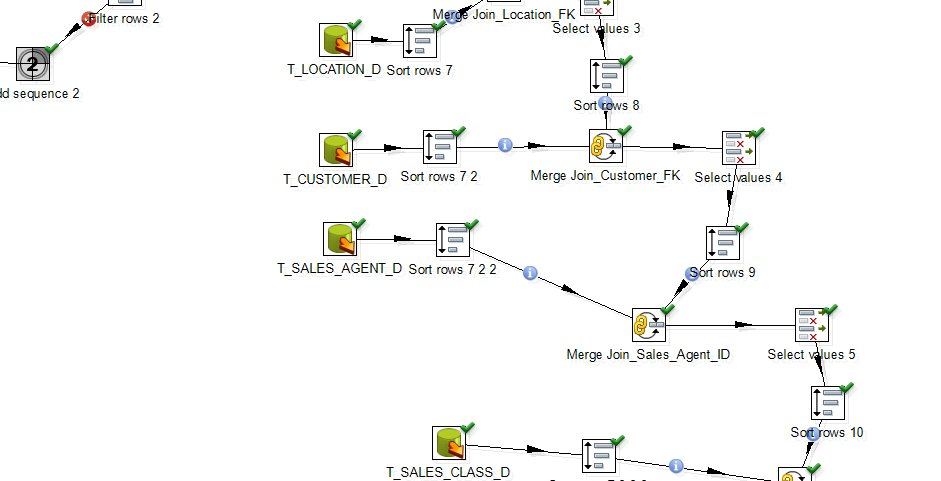
**Filter by Condition and Add non matching rows**





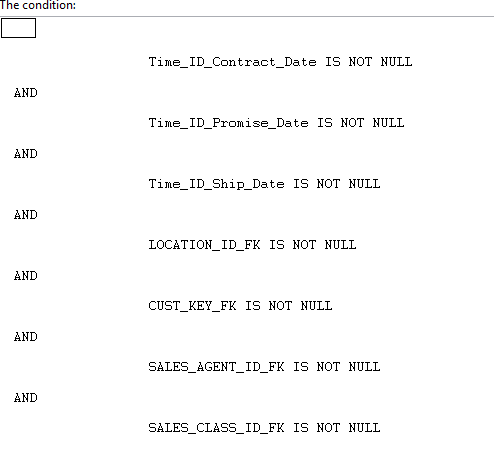
1. **Check FKs For Location\_ID, Customer\_ID Ordered By,Sales\_Agent\_ID,Sales\_Class\_ID**

For Getting Rejected Rows , Do a left outer join for each merge with Tables Input.



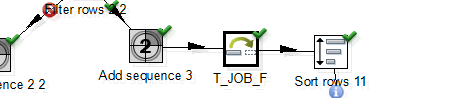
1. **Where FK’s Values are not matched(Add to ERROR\_LOG Table)**

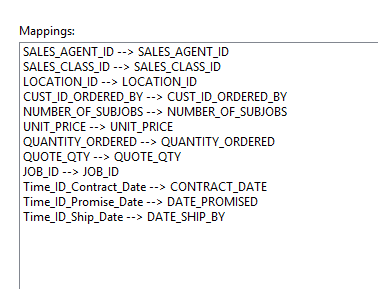
**Conditions are used to find non matching rows**

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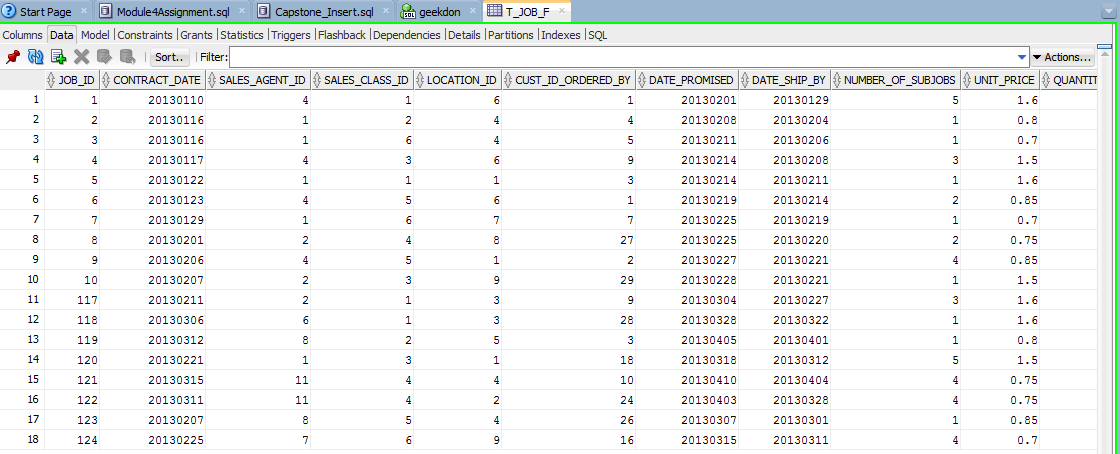


1. **Now add the rows which satisfied the above conditions to Job Table**





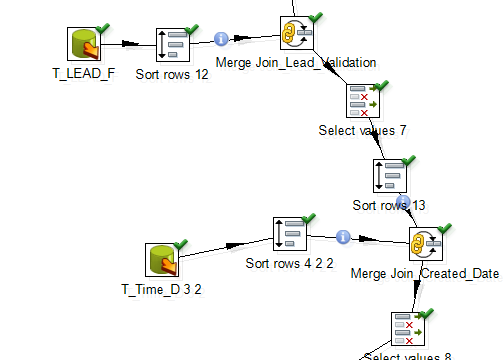
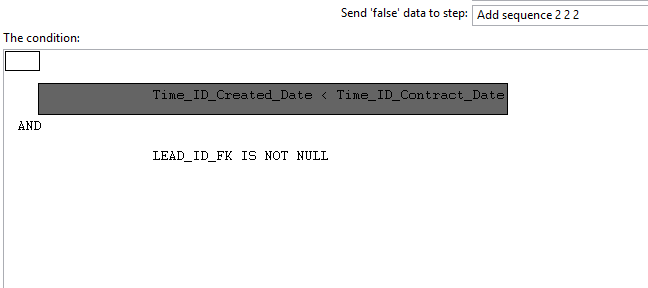
Updated Job Table(8 rows are added)



1. **Lead Validation(Now using the added rows in Job Table)**

**Check for Lead\_ID(Validity By Merging with Lead Table)**

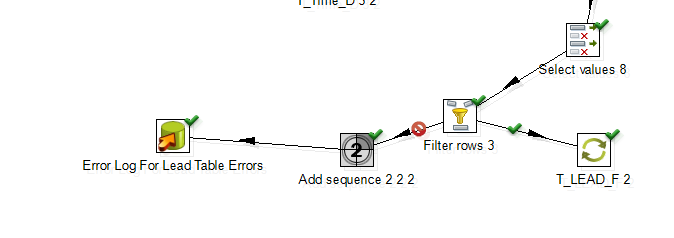
**Checking Created\_Date in Lead Table before Contract Date in Job**

** **

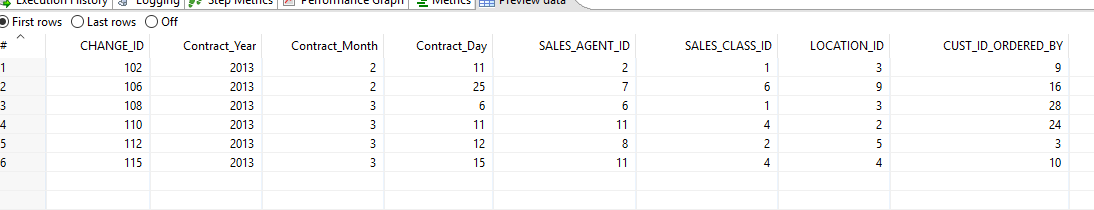
1. **Using this filter condition , adding false rows to Error\_Log\_table**

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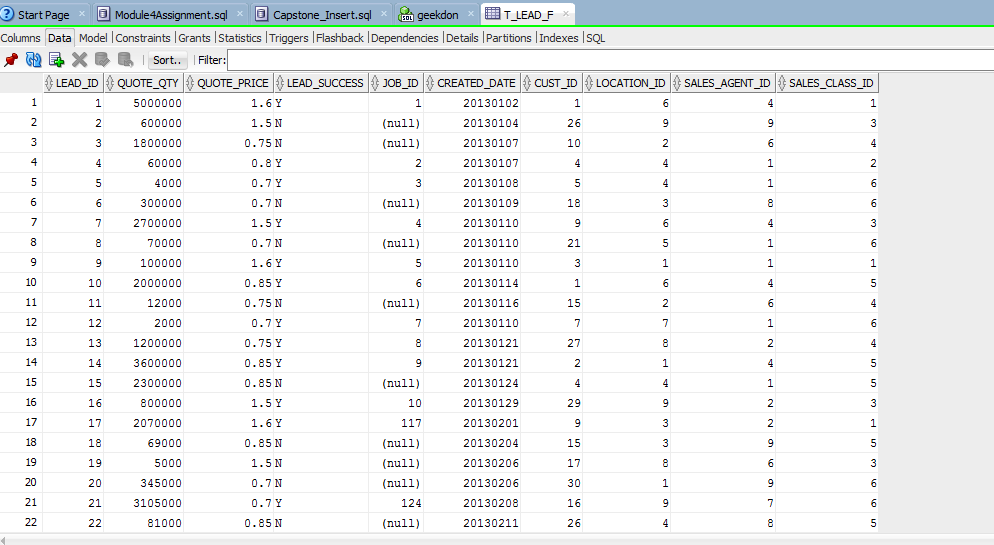
1. **Finally rows that satisfy all conditions(pass all validations are used to update the Lead Table)**

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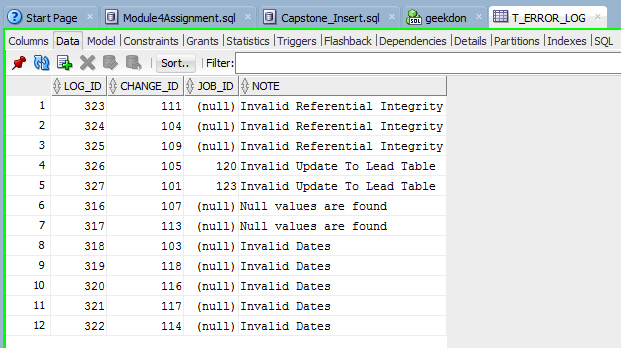
**6 rows are updated**

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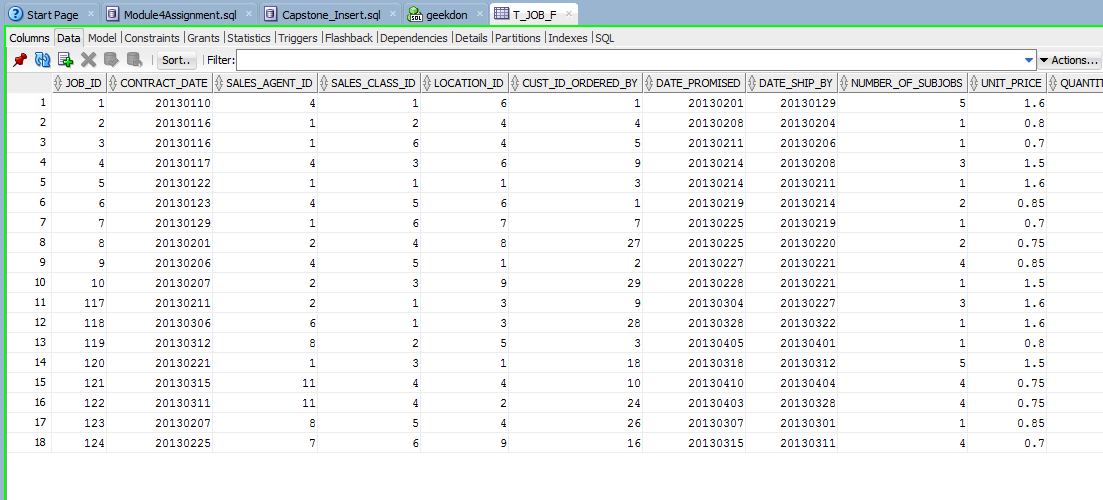
1. **Final View of T\_LEAD\_F**

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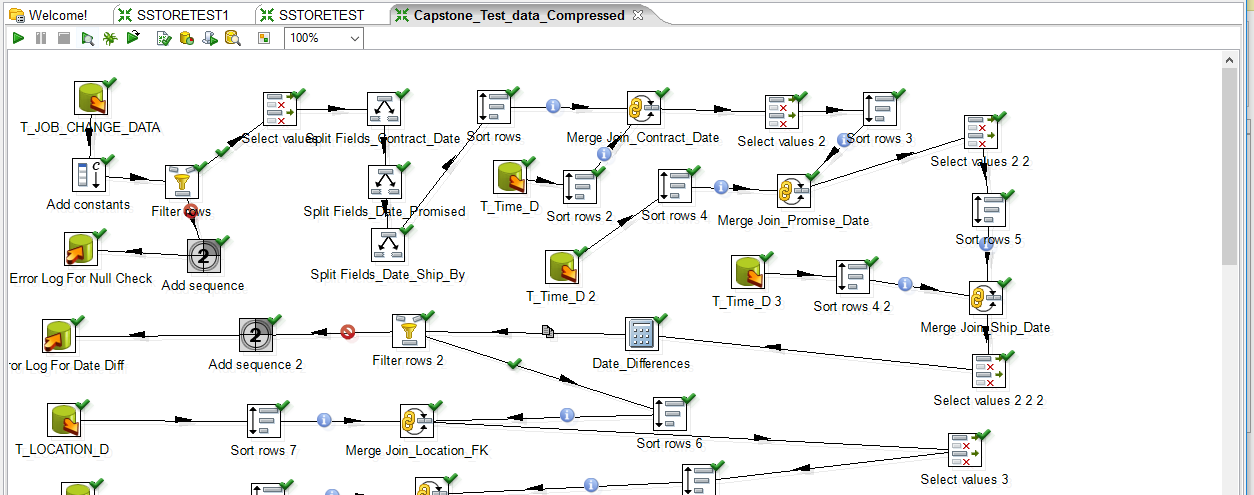
1. **Final View of T\_ERROR\_LOG**

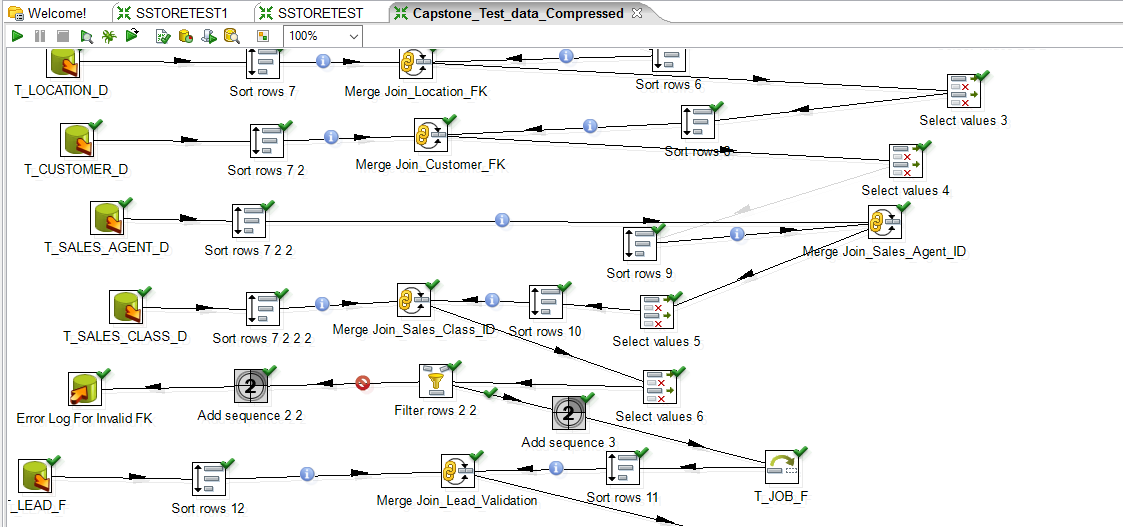
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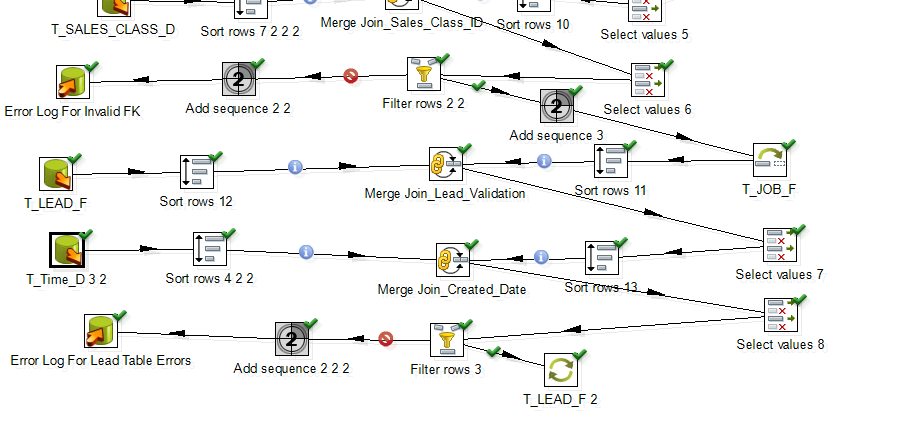
1. **Final View of T\_JOB\_F**

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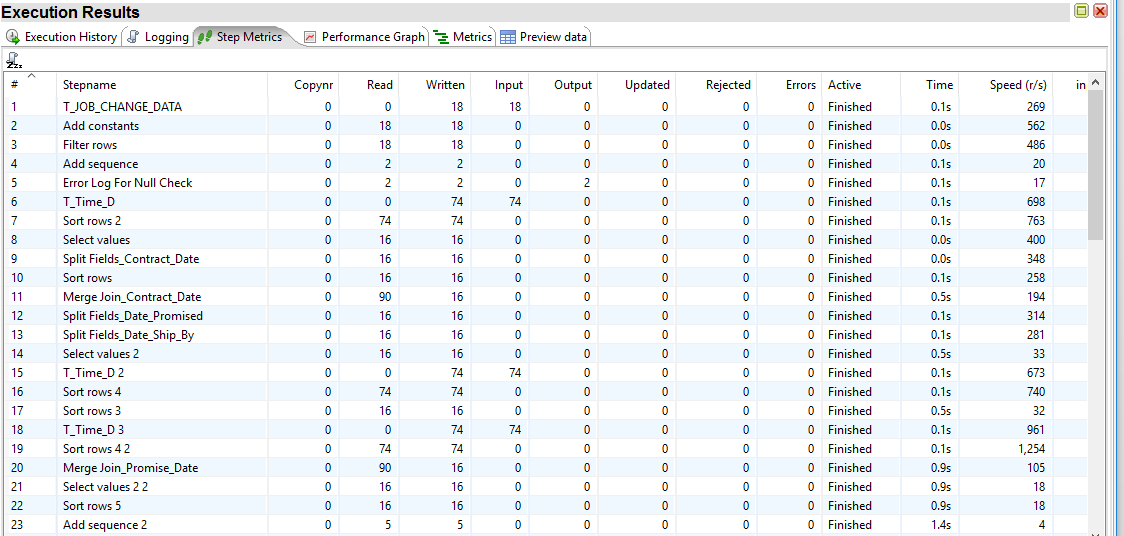
**Transformation is as follows:**

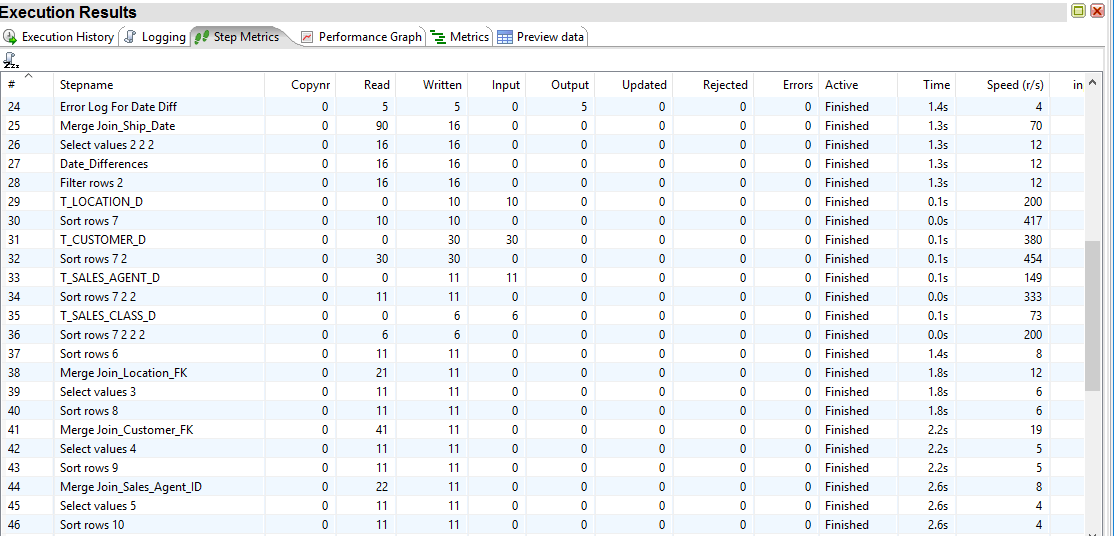
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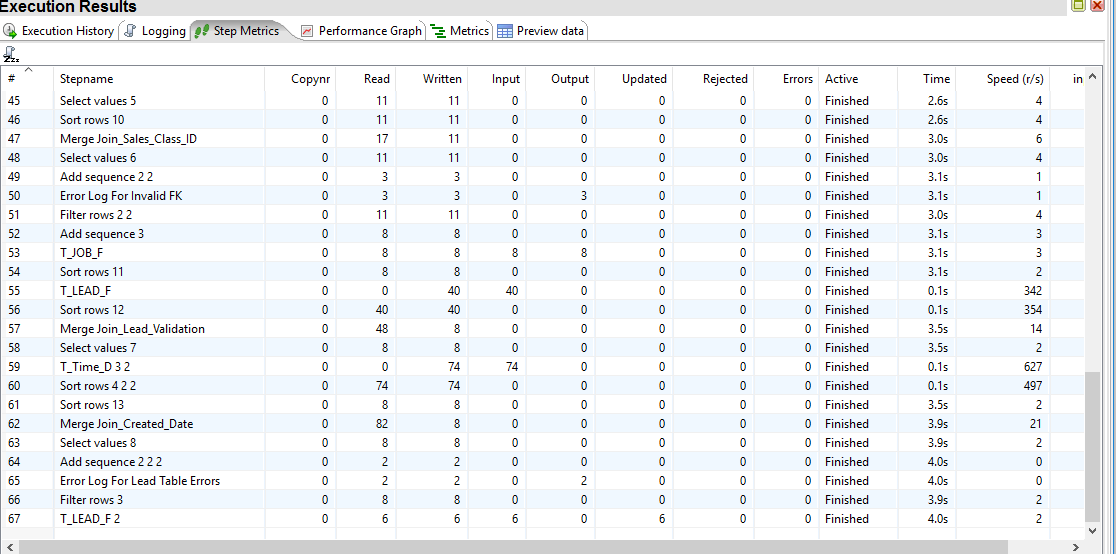
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**Execution Results are as follows:**

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