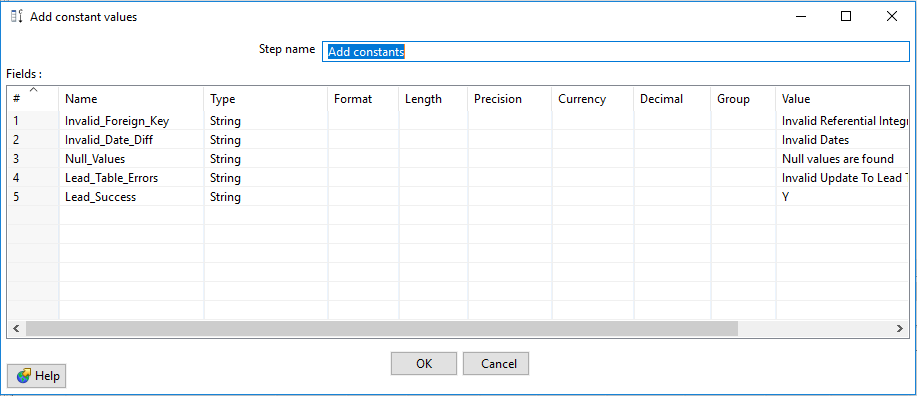
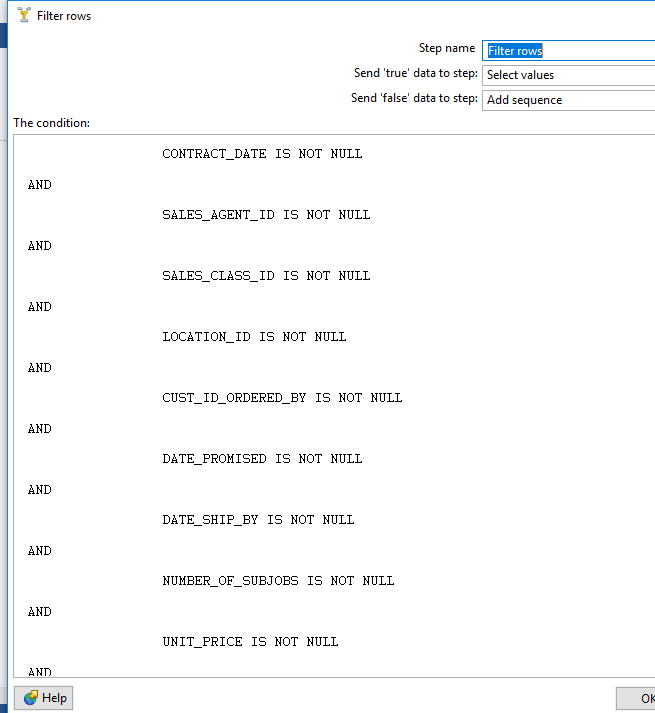
**Module 3 Assignment For Transformation of Production Data Warehouse As as a Source**

Following steps were done:

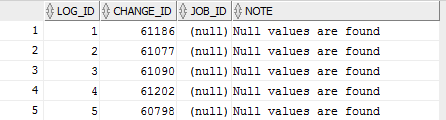
1. **Adding constants for Error Messages and Success Column in W\_Lead\_F Table**



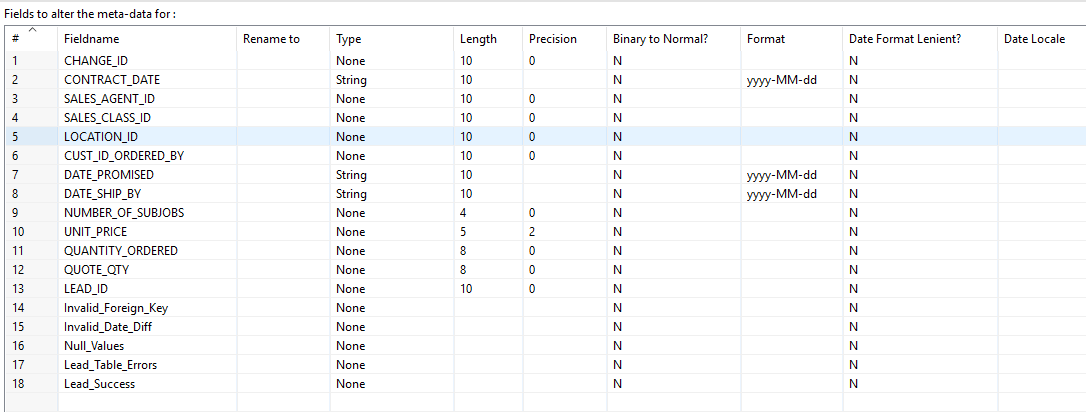
1. **Checking for NULL VALUES (Filter Rows)(Add rejected rows into W\_ERROR\_LOG)**

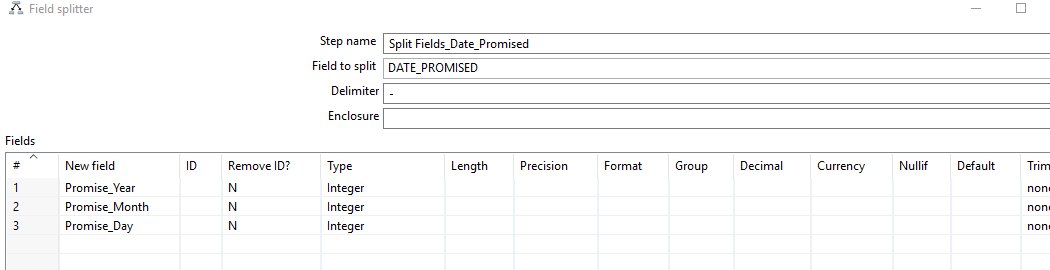


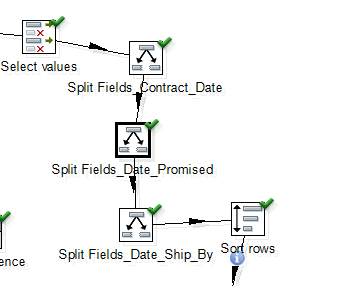
These are added in W\_ERROR\_LOG



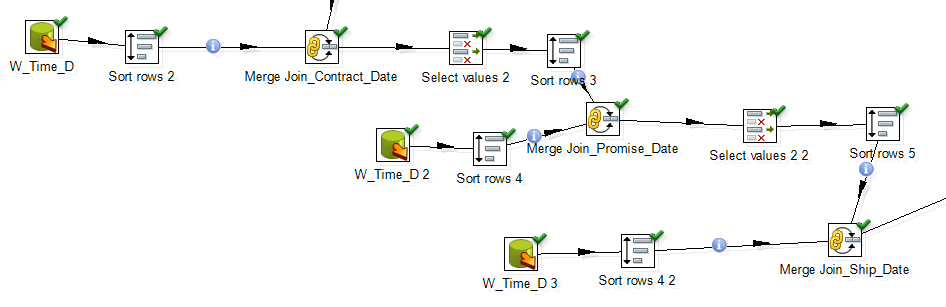
1. **Parsing of Dates is done(Using Select Values and Split Fields For Contract Date,Date\_Promised,Date\_Ship\_By)**



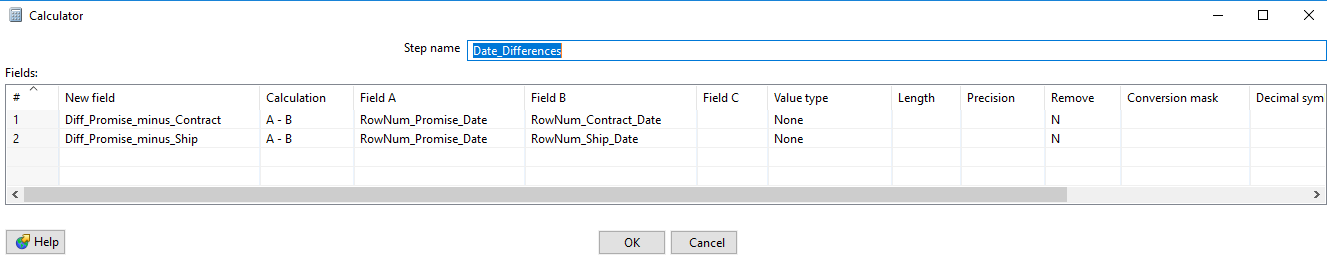




1. **Find Time\_Id from Time Dimension For each of three dates**

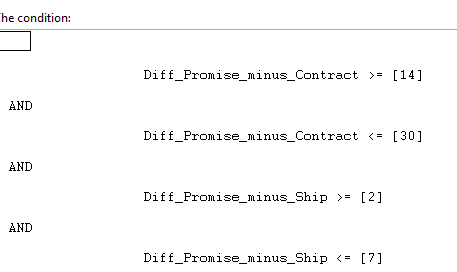


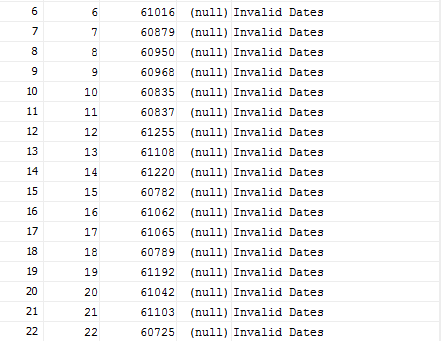
1. **Calculate Date Diff**



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

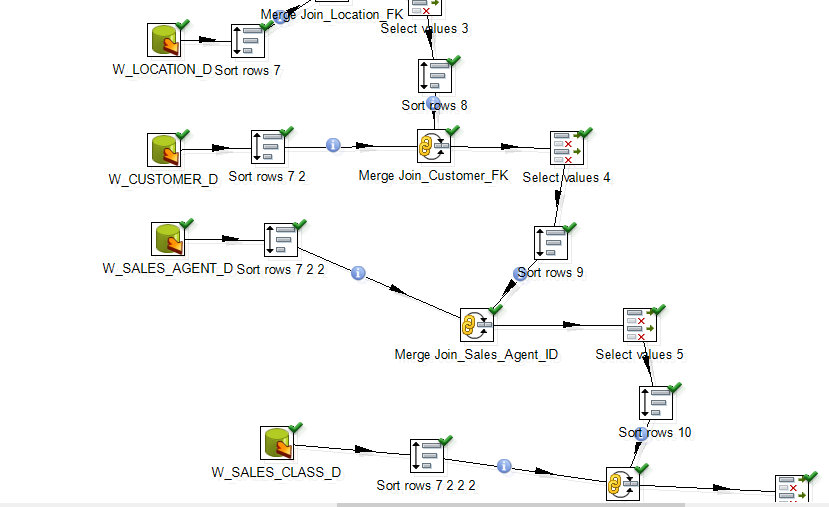
**Filter by Condition and Add non matching rows**





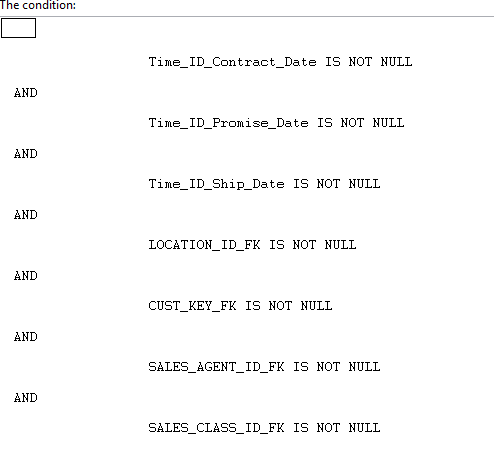
1. **Check FKs For Location\_ID, Customer\_ID Ordered By,Sales\_Agent\_ID,Sales\_Class\_ID**

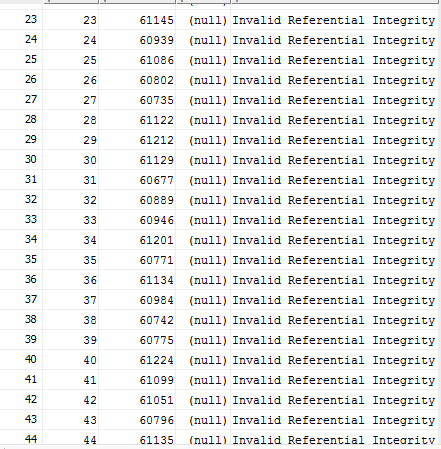
For Getting Rejected Rows , Do a left outer join for each merge with Tables Input.

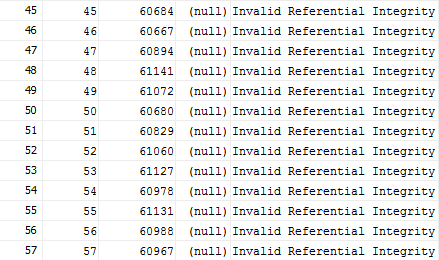


1. **Where FK’s Values are not matched(Add to ERROR\_LOG Table)**

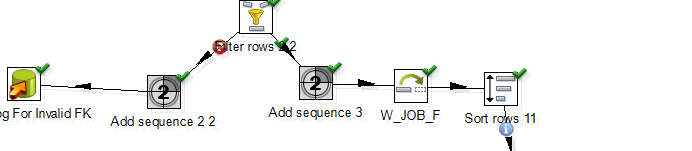
**Conditions are used to find non matching rows**

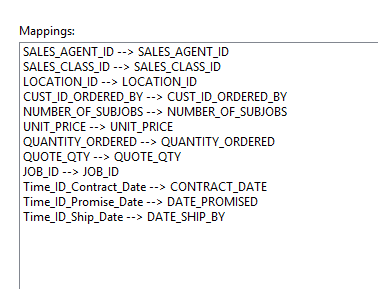
****



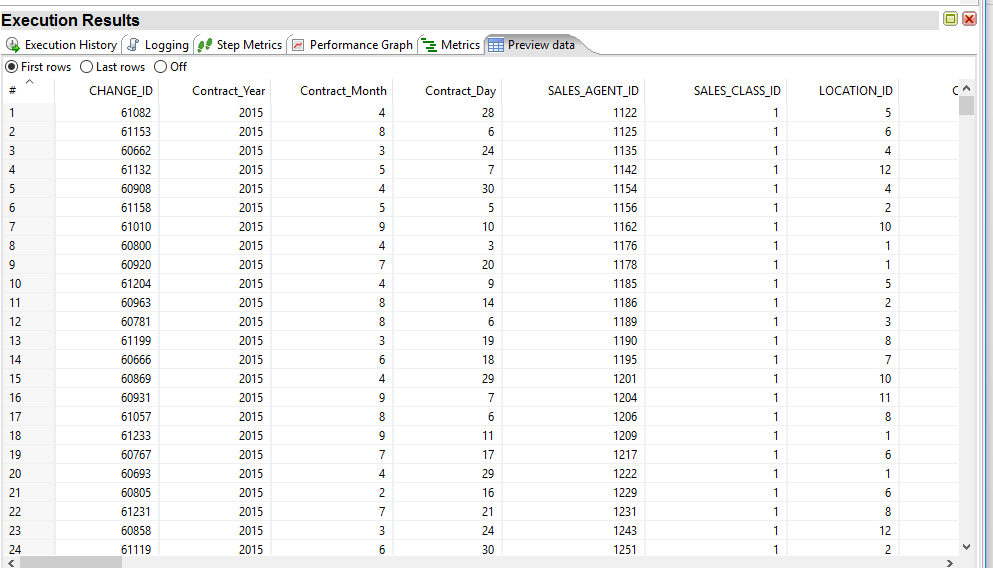


1. **Now add the rows which satisfied the above conditions to Job Table**

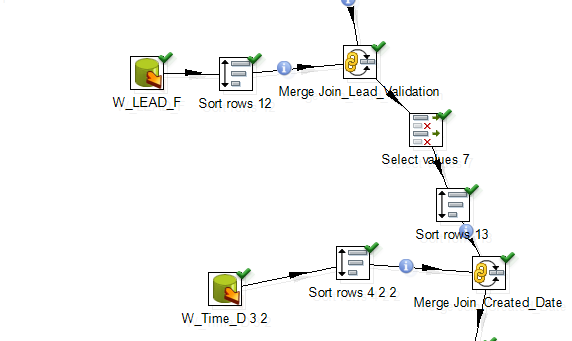
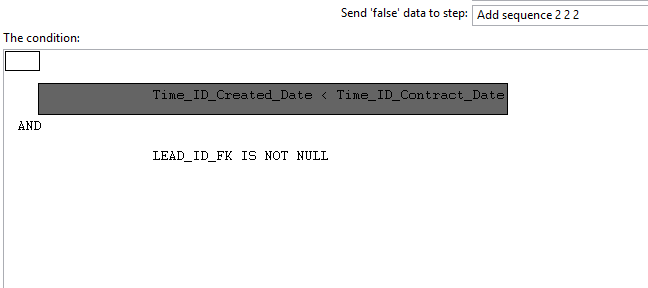




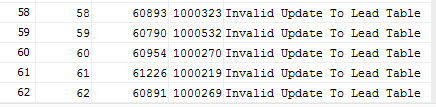
Updated Job Table(543 rows are added)



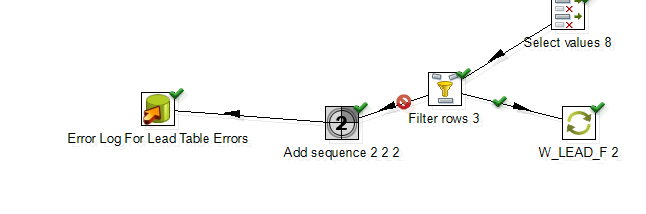
1. **Lead Validation(Now using the added rows in Job Table) (Check for Lead\_ID(Validity By Merging with Lead Table) &Checking Created\_Date in Lead Table before Contract Date in Job)**

** **

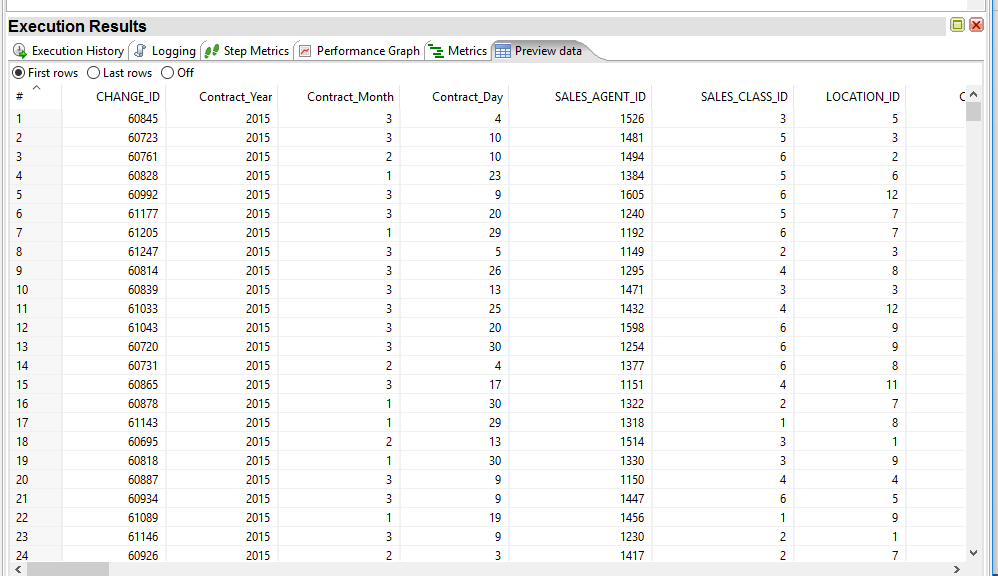
1. **Using this filter condition , adding false rows to Error\_Log\_table**

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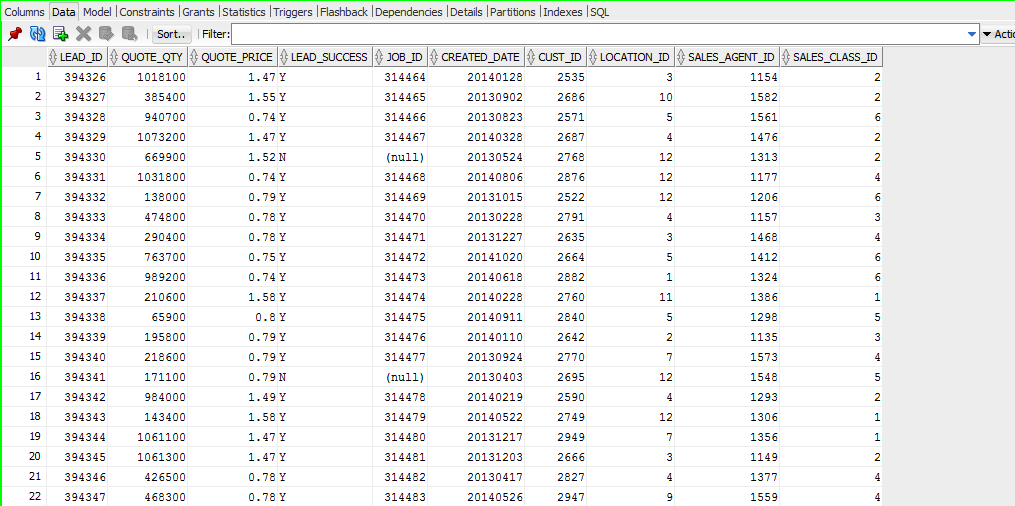
1. **Finally rows that satisfy all conditions(pass all validations are used to update the Lead Table)**

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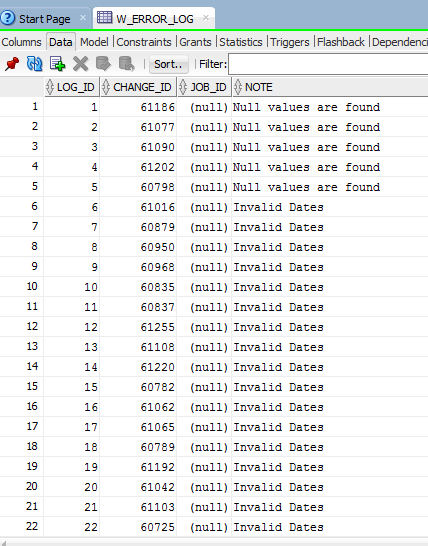
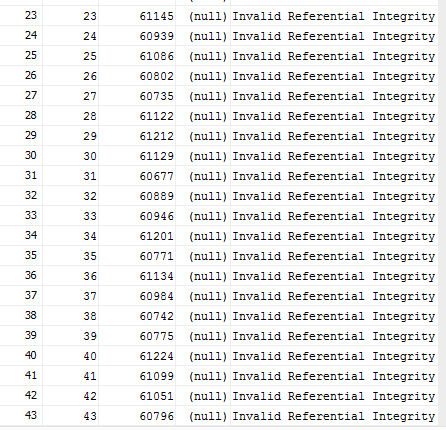
**538 rows are updated**

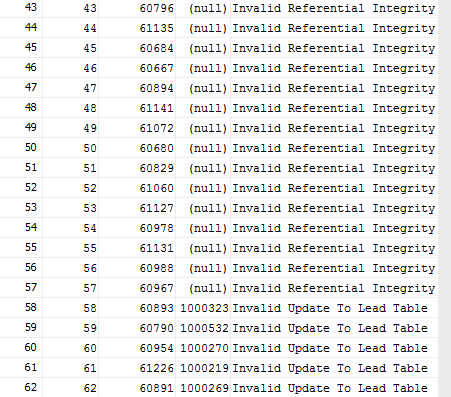
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1. **Final View of W\_LEAD\_F(3600 rows)**

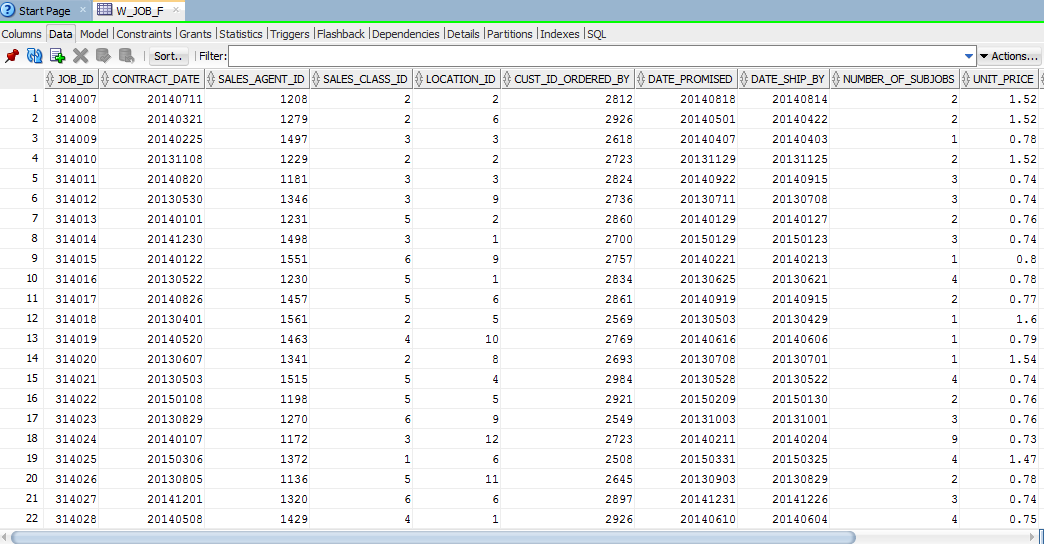
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1. **Final View of W\_ERROR\_LOG(62 rows)**

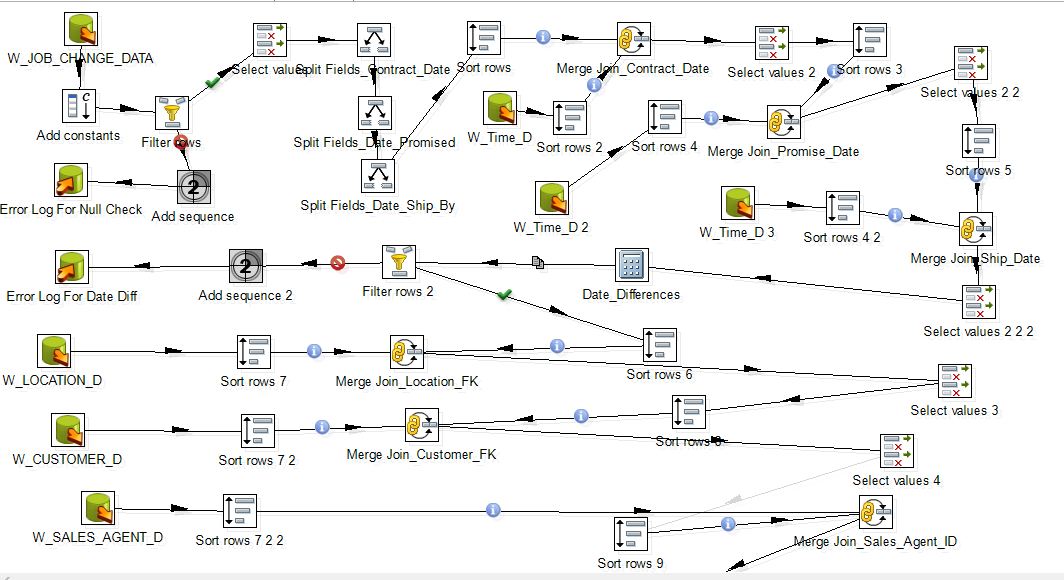
** **

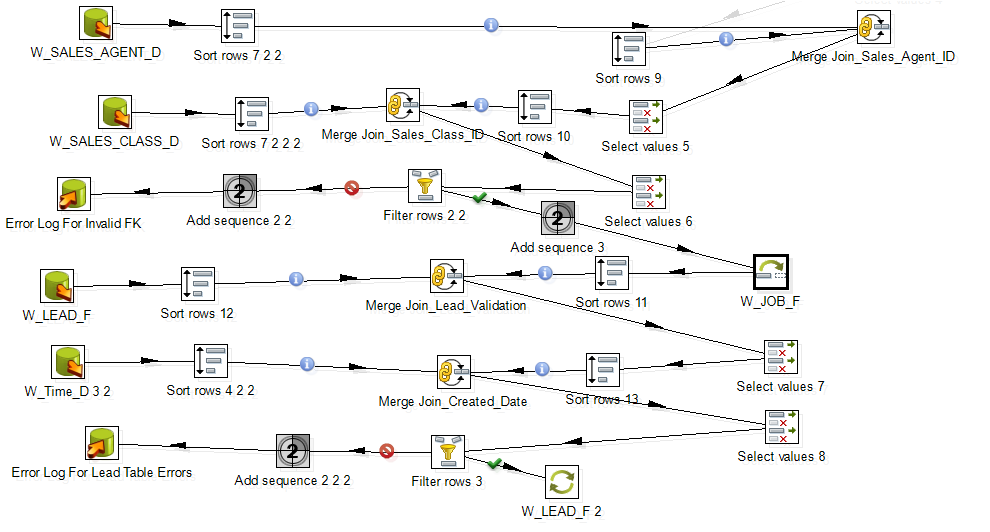
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1. **Final View of W\_JOB\_F (3070 rows)**

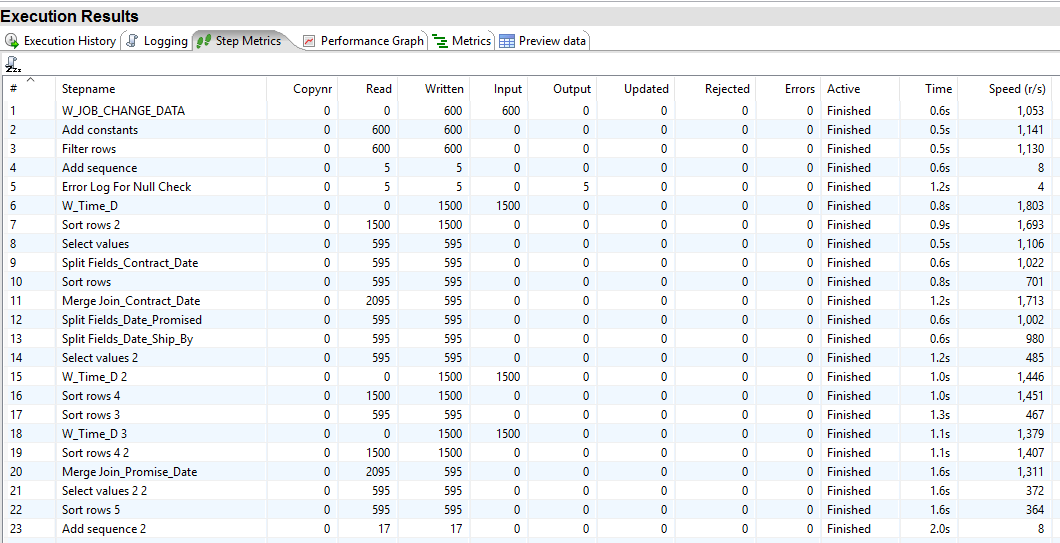
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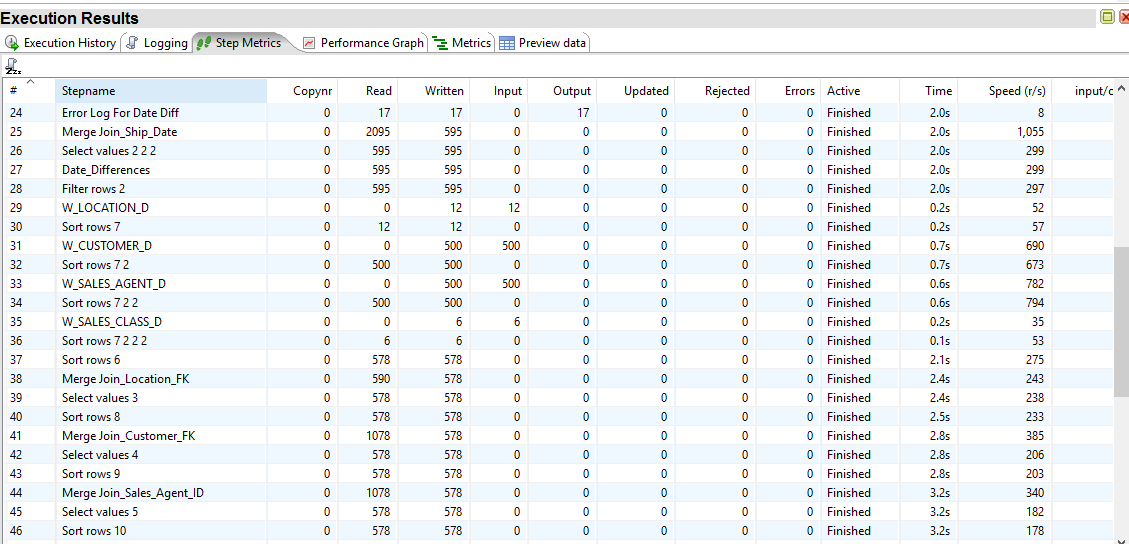
**Transformation is as follows:**

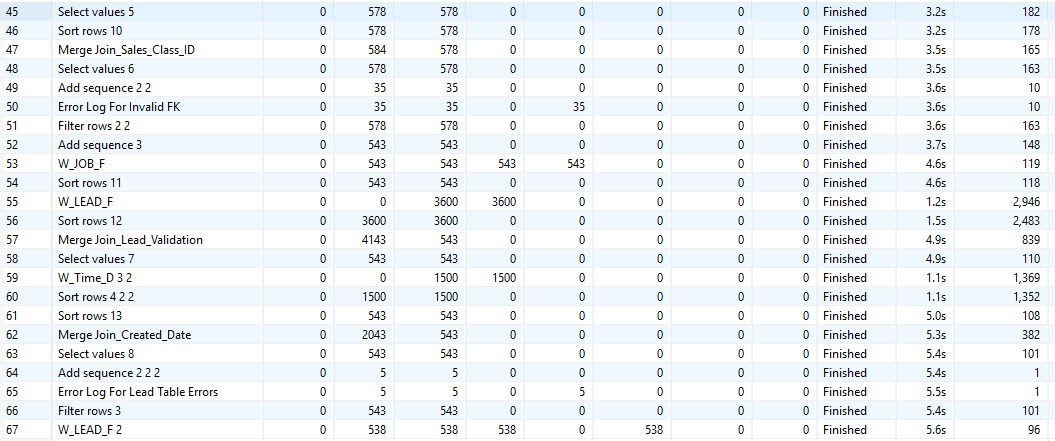
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**Execution Results are as follows:**

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