INFORMATICA PROJECT REPORT

CAMP BI V3 BATCH I

GROUP 3

GROUP MEMBERS: -

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Project Description:

There is table named as semp,multiple dimensions are there like empname, empno, deptno,dept,etc.

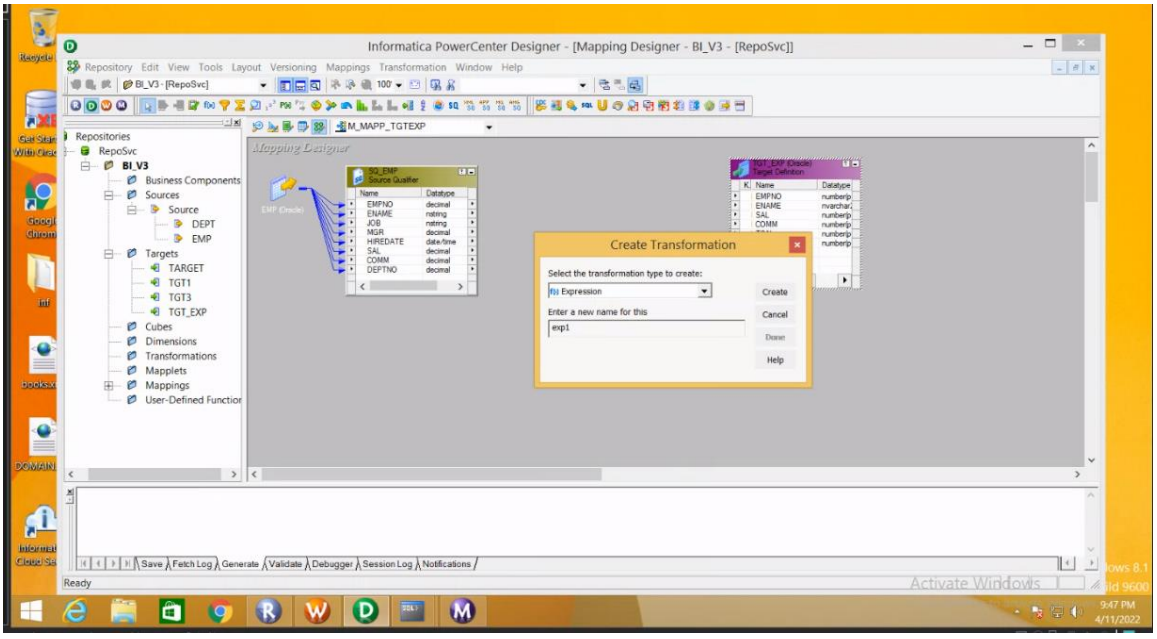
We applied some transformations on this dataset using informatica power centre, like expression,router,filter,update query and mapping procedures.

1) Expression Transformation

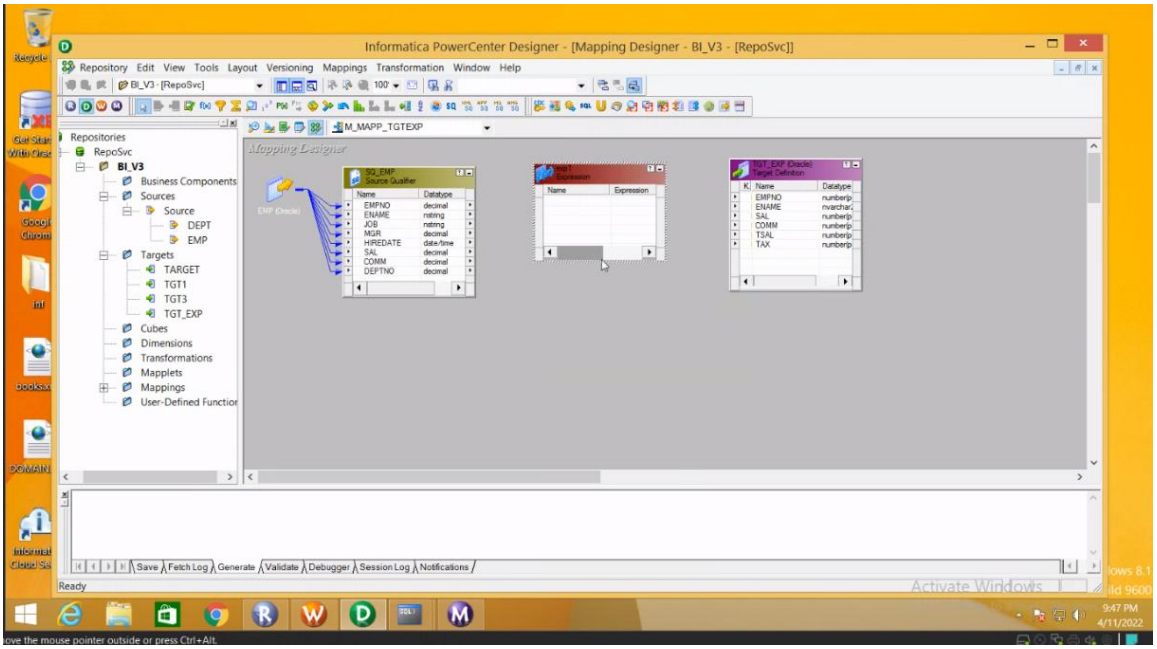
Description:

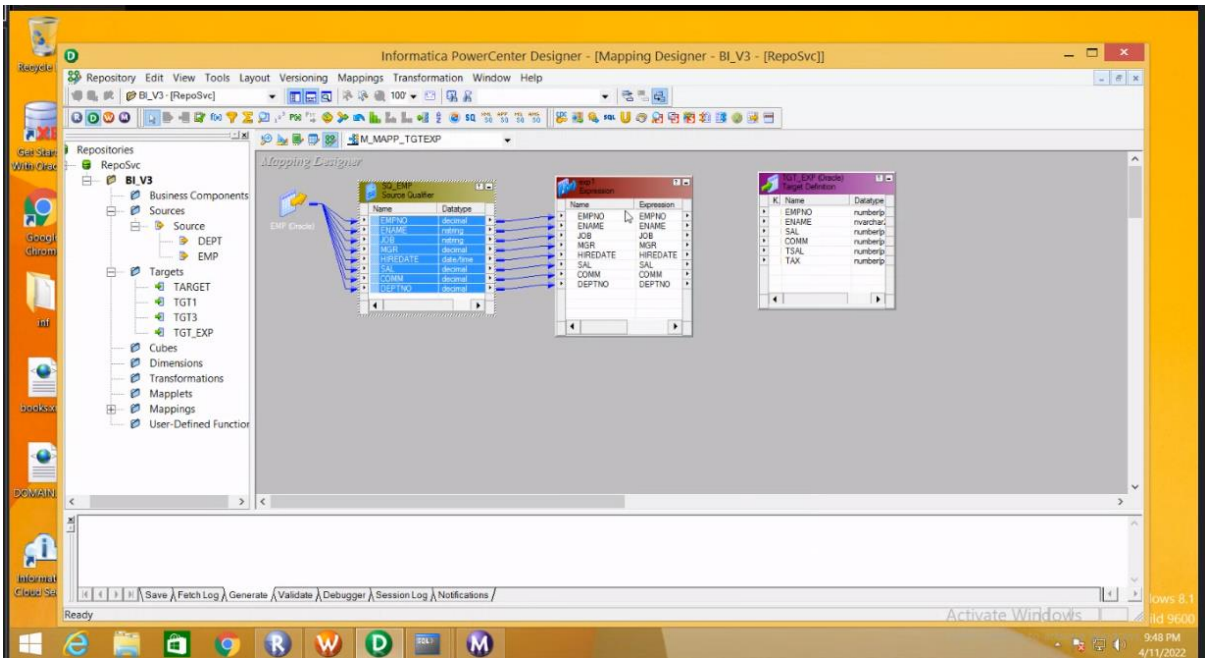
Expression transformation is a Passive and Connected Informatica transformation. Expression transformations are used for row-wise manipulation. For any type of manipulation you wish to perform on an individual record, use an Expression transformation. The Expression transformation accepts the row-wise data, manipulates it, and passes it to the target. For example, to calculate the discount for each product or to concatenate first and last names or to convert dates to a string field.

APPLYING TRANSFORMATION

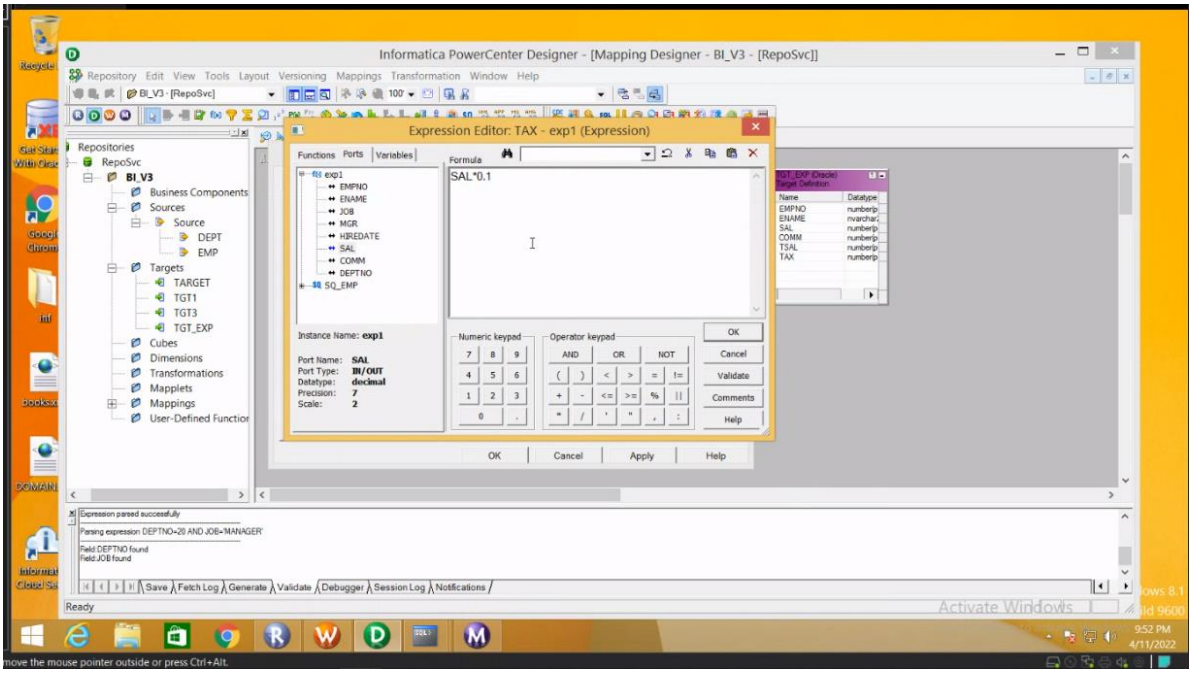


MAPPING USING SOURCE QUALIFIER TRANSFORMATION





WRITING EXPRESSION TO CALCULATE TAX AS 10% OF SALARY

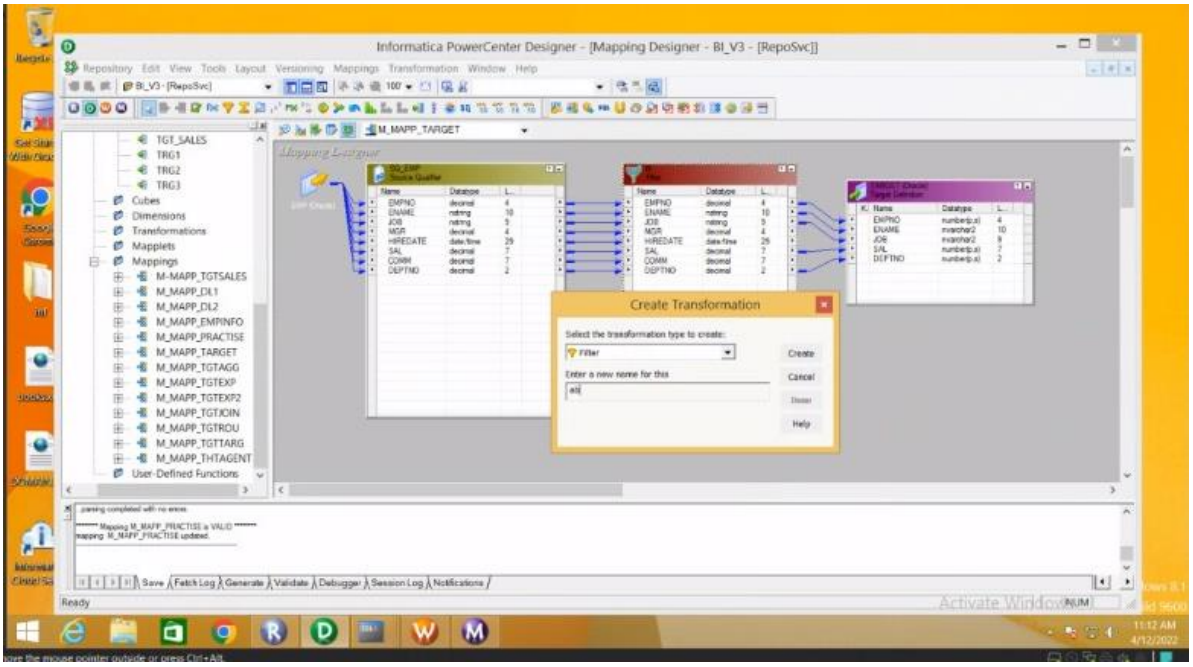


2) FILTER TRANSFORMATION

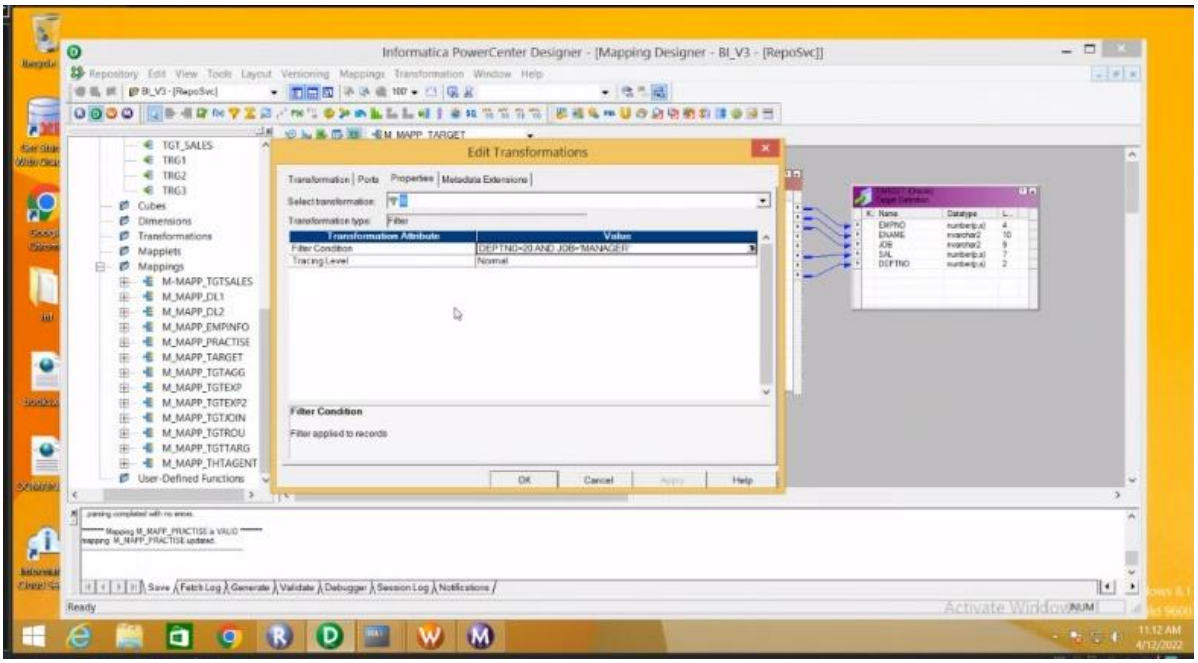
The Filter transformation filters data out of the data flow based on a specified filter condition. To improve job performance, place the Filter transformation close to mapping sources to remove unnecessary data from the data flow.

A filter condition is an expression that returns TRUE or FALSE. When the filter condition returns TRUE for a row, the Filter transformation passes the row to the rest of the data flow. When the filter condition returns FALSE, the Filter transformation drops the row.

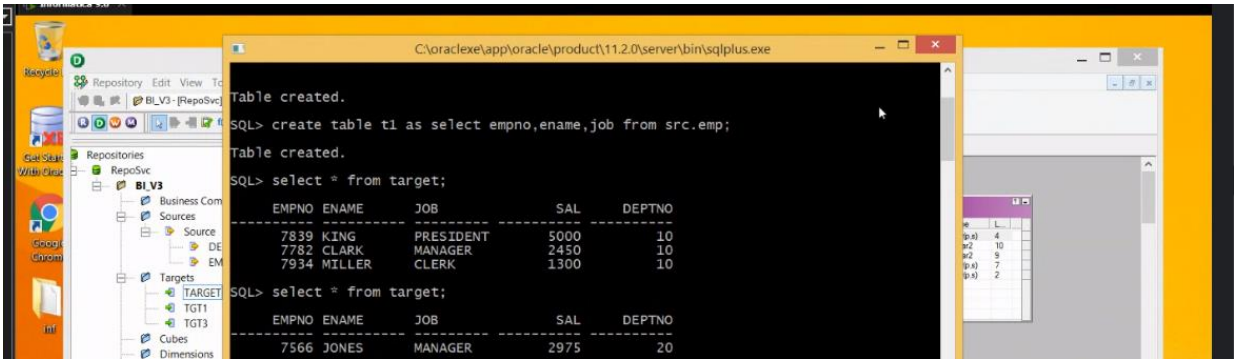
APPLYING TRANSFORMATION



WRITING FILTER CONDITIONS



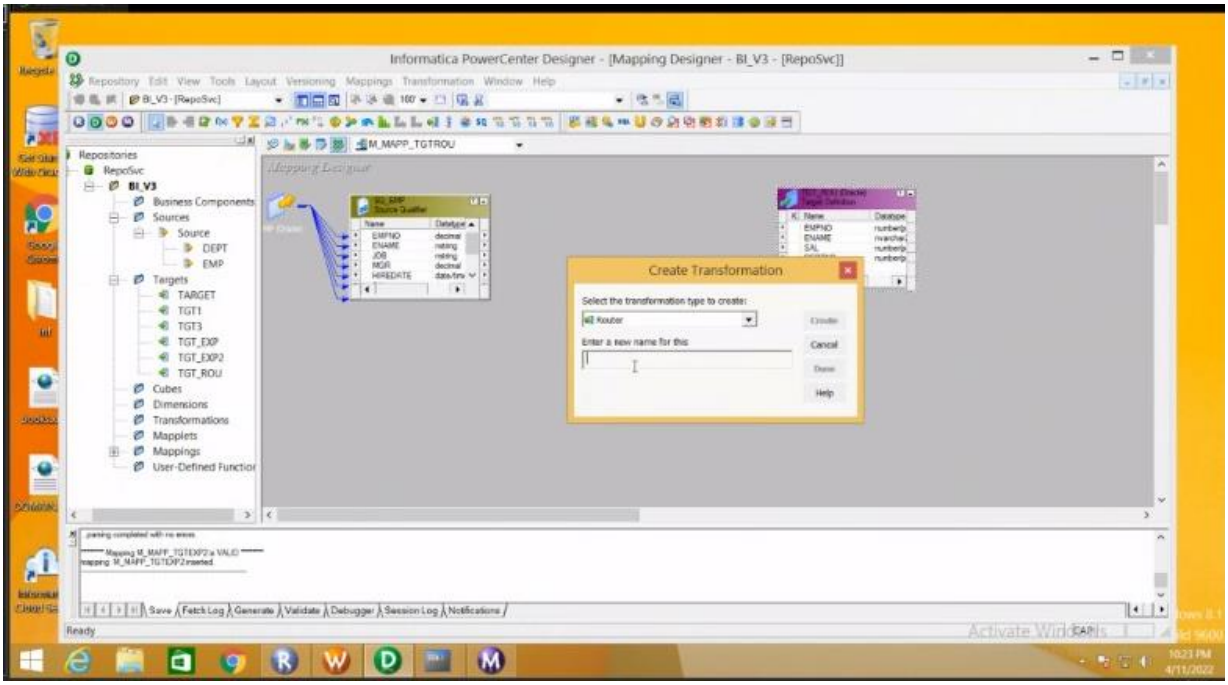
FILTERS APPLIED IN THE TARGET TABLE



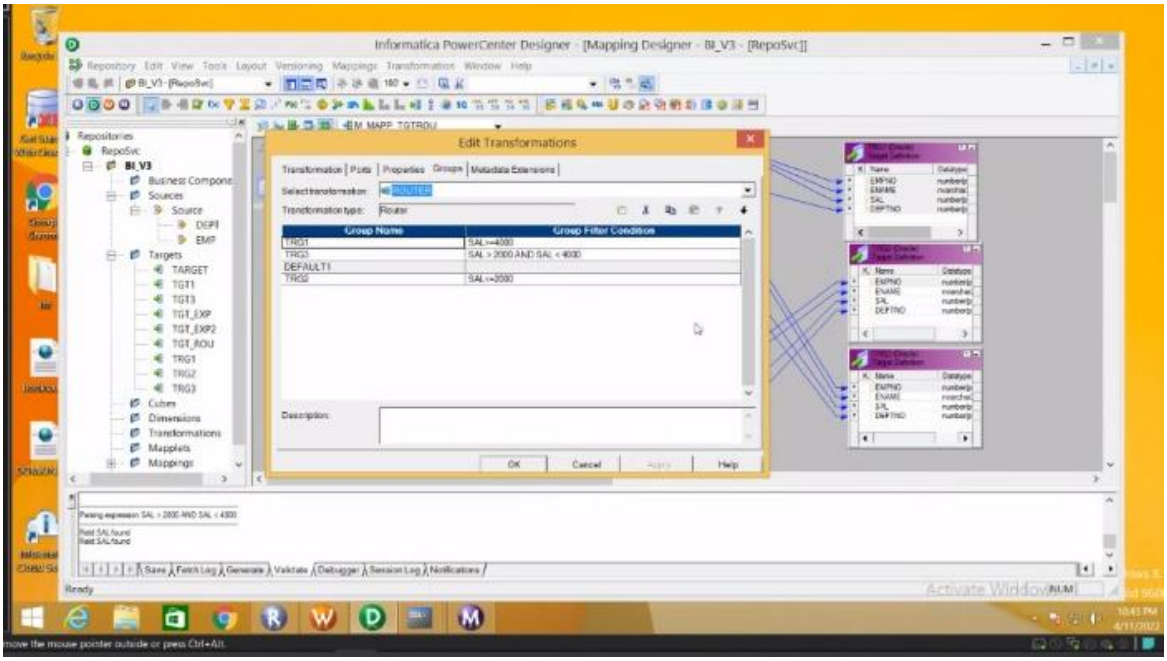
3)ROUTER TRANSFORMATION

A Router transformation is similar to a Filter transformation because both transformations allow you to use a condition to test data. A Filter transformation tests data for one condition and drops the rows of data that do not meet the condition. However, a Router transformation tests data for one or more conditions and gives you the option to route rows of data that do not meet any of the conditions to a default output group. The Router transformation is an active transformation.

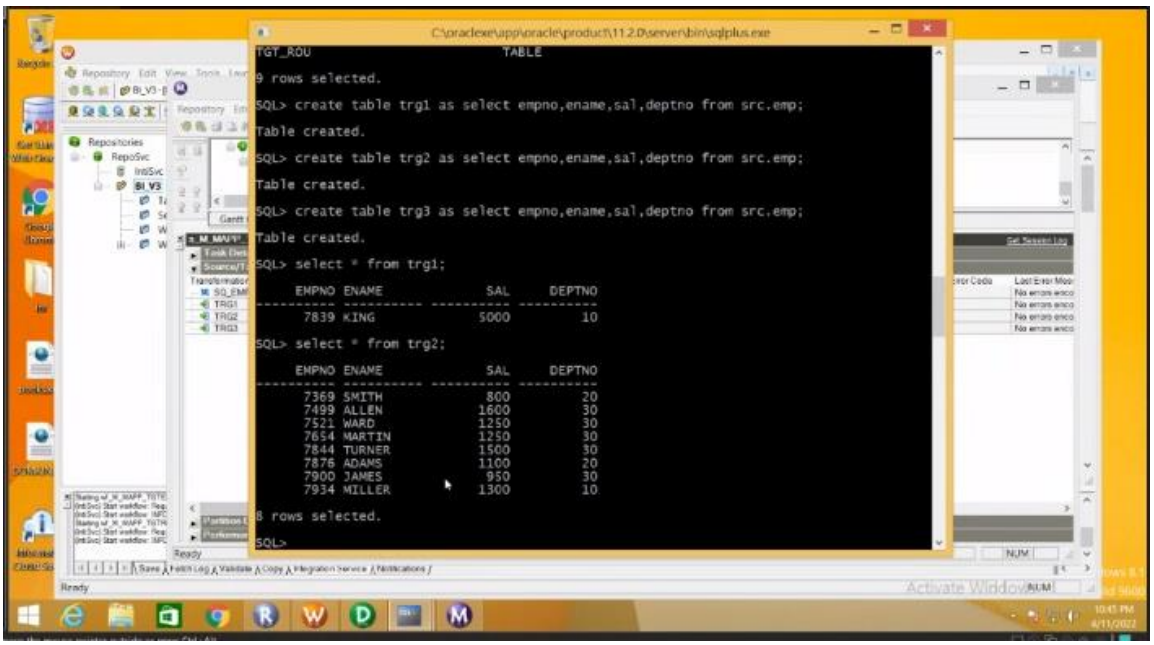
APPLYING TRANSFORMATION



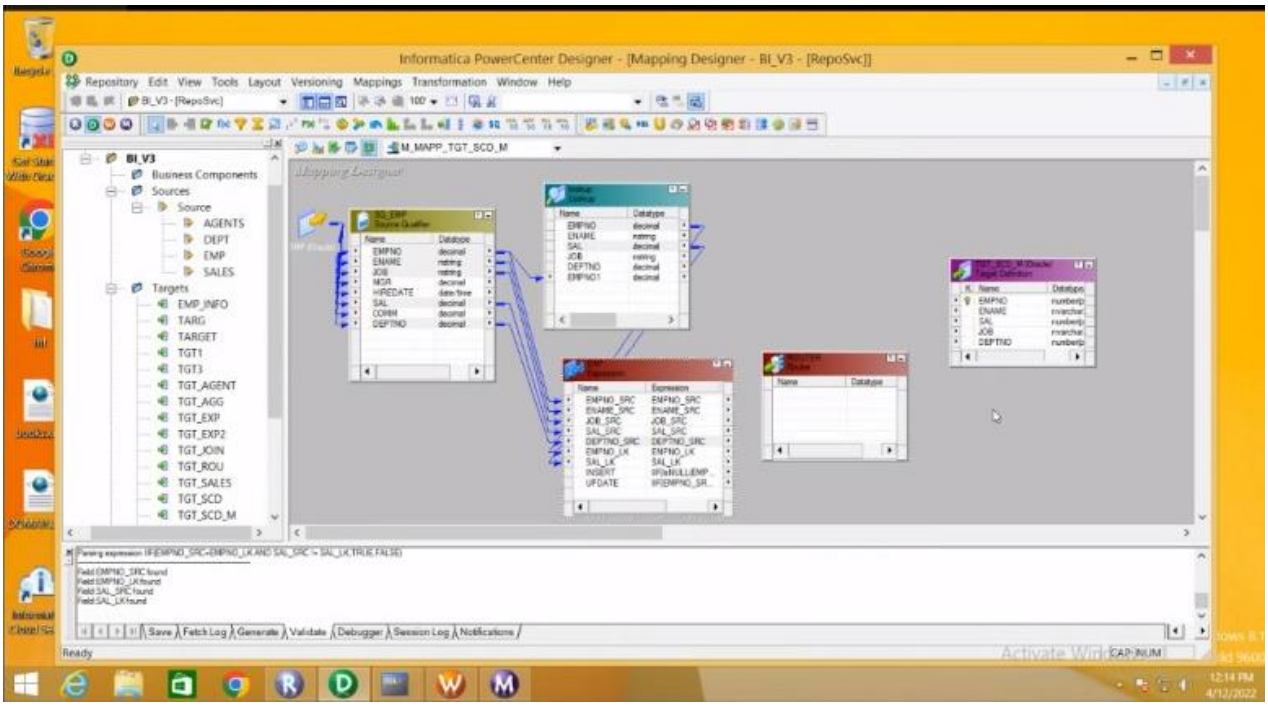
WRITING CONDITION AS SAL<4000 AND SAL>2000

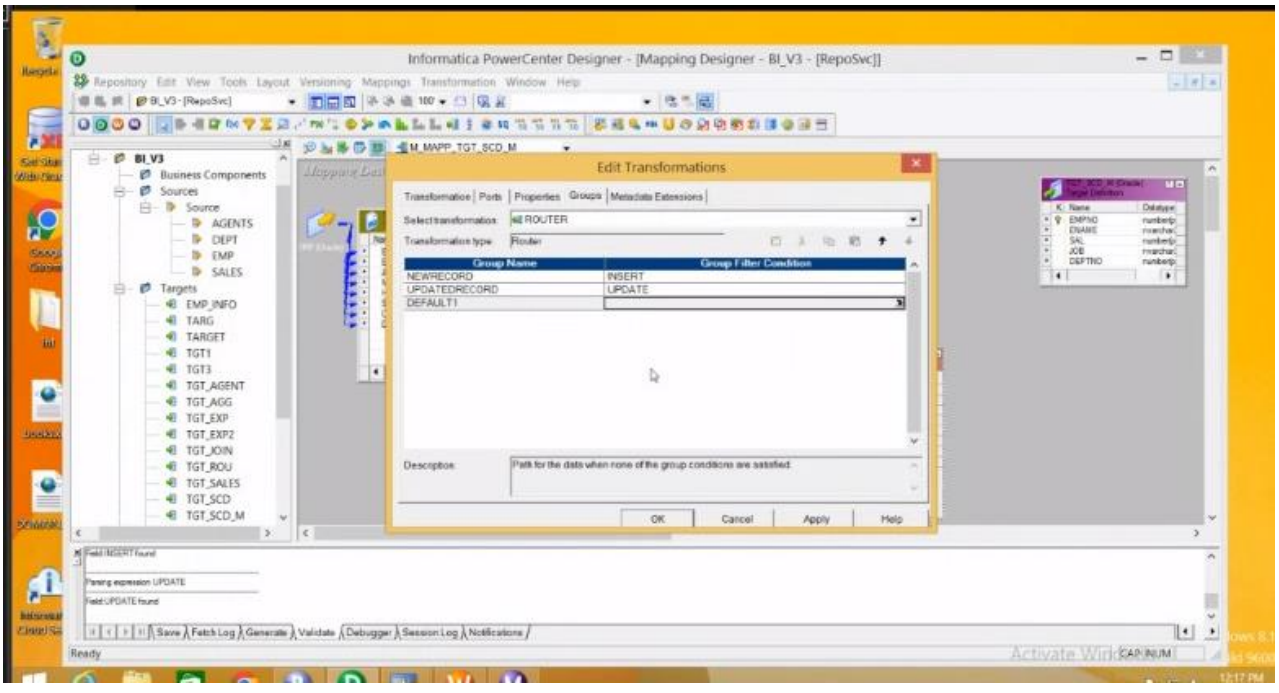

Informatica PowerCenter Designer - [Mapping Designer - BI_V3 - [RepoSvc]]
Edit Transformations
Transformation | Ports | Properties | Groups | Metadata Extensions
Select transformation: ROUTER
Transformation type: Router
Group Name
Group Filter Condition
TRG1
SAL<=4000
TRG3
SAL > 2000 AND SAL < 4000
DEFAULT1
TRG2
SAL<=2000
Description:
OK
Cancel
Apply
Help
Ready

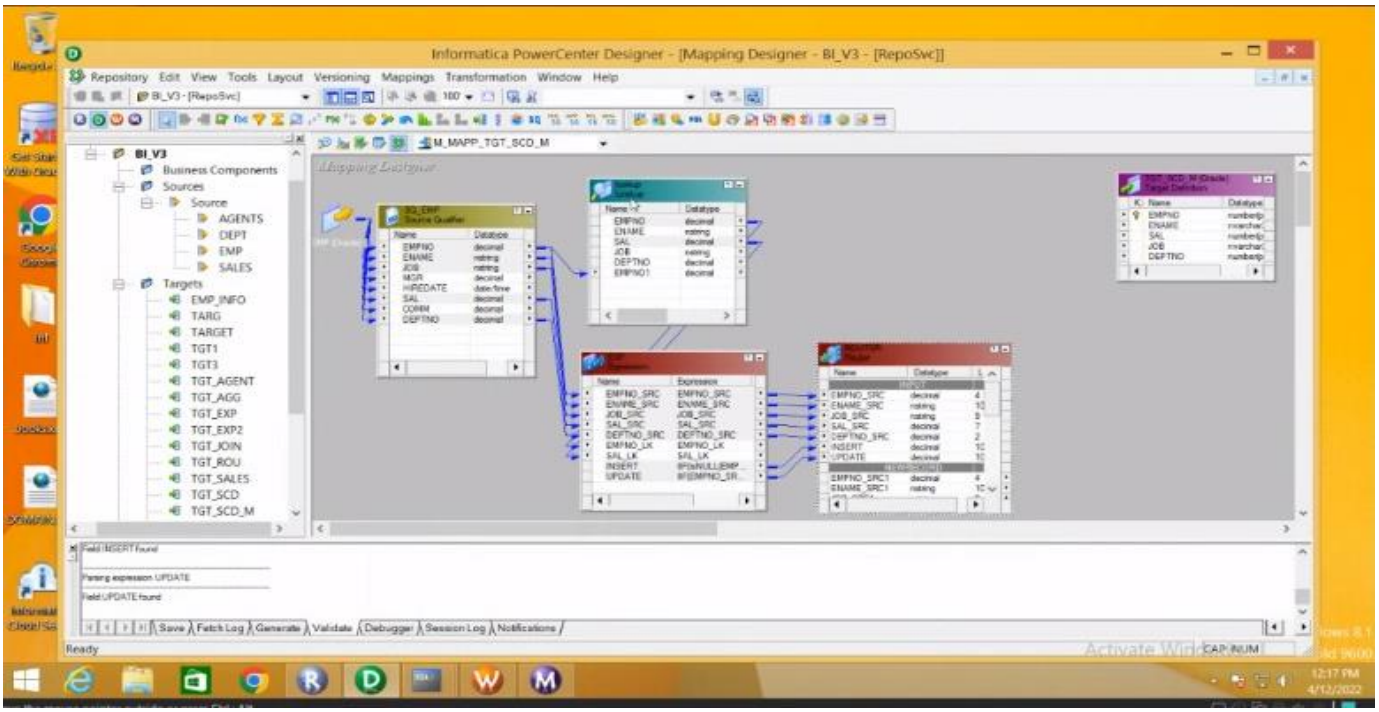
RESULTS


C:\oraclexe\app\oracle\product\11.2.0\server\bin\sqlplus.exe
TGT_ROU TABLE
9 rows selected.
SQL> create table trg1 as select empno,ename,sal,deptno from src.emp;
Table created.
SQL> create table trg2 as select empno,ename,sal,deptno from src.emp;
Table created.
SQL> create table trg3 as select empno,ename,sal,deptno from src.emp;
Table created.
SQL> select * from trg1;
EMPNO ENAME SAL DEPTNO
7839 KING 5000 10
SQL> select * from trg2;
EMPNO ENAME SAL DEPTNO
7369 SMITH 800 20
7499 ALLEN 1600 30
7521 WARD 1250 30
7654 MARTIN 1250 30
7844 TURNER 1500 30
7876 ADAMS 1100 20
7900 JAMES 950 30
7934 MILLER 1300 10
8 rows selected.
SQL>
Ready

SPRINT CASE STUDY






Informatica PowerCenter Designer - [Mapping Designer - BI_V3 - [RepoSvc]]
Repository Edit View Tools Layout Versioning Mappings Transformation Window Help
M_MAPP_TGT_SCD_M
BI_V3
Business Components
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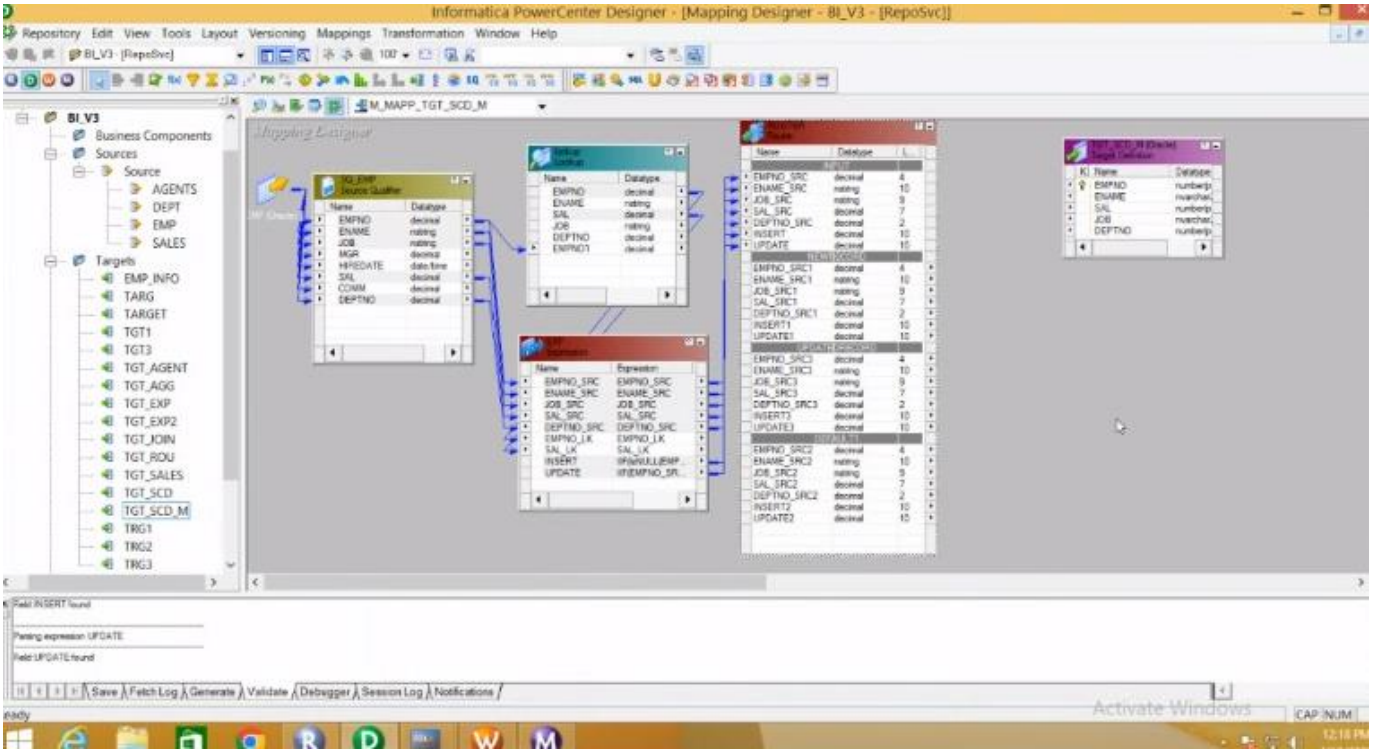
Source
AGENTS
DEPT
EMP
SALES
Targets
EMP_INFO
TARG
TARGET
TGT1
TGT3
TGT_AGENT
TGT_AGG
TGT_EXP
TGT_EXP2
TGT_JOIN
TGT_ROU
TGT_SALES
TGT_SCD
TGT_SCD_M
Save
Fetch Log
Generate
Validate
Debugger
Session Log
Notifications
Ready
CAP NUM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Repository Edit View Tools Layout Versioning Mappings Transformation Window Help
M_MAPP_TGT_SCD_M
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TGT_ROU
TGT_SALES
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TRG1
TRG2
TRG3
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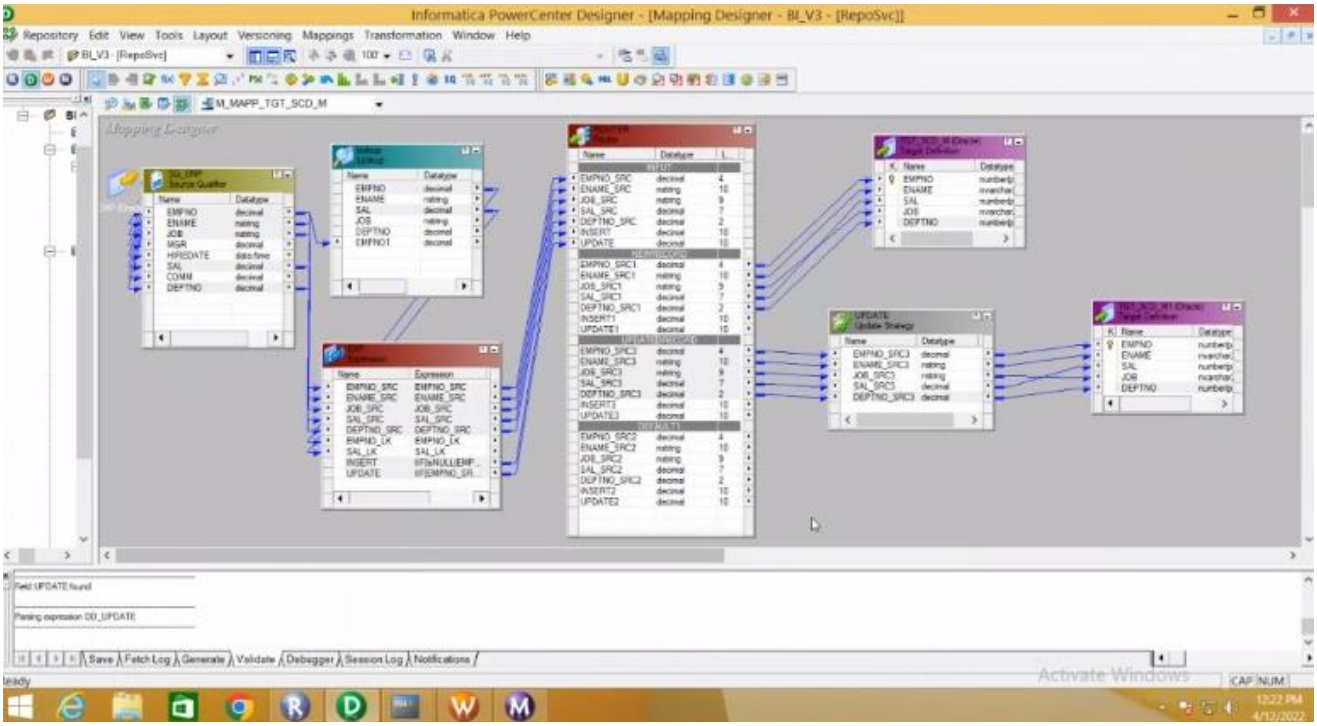
Fetch Log
Generate
Validate
Debugger
Session Log
Notifications
CAP NUM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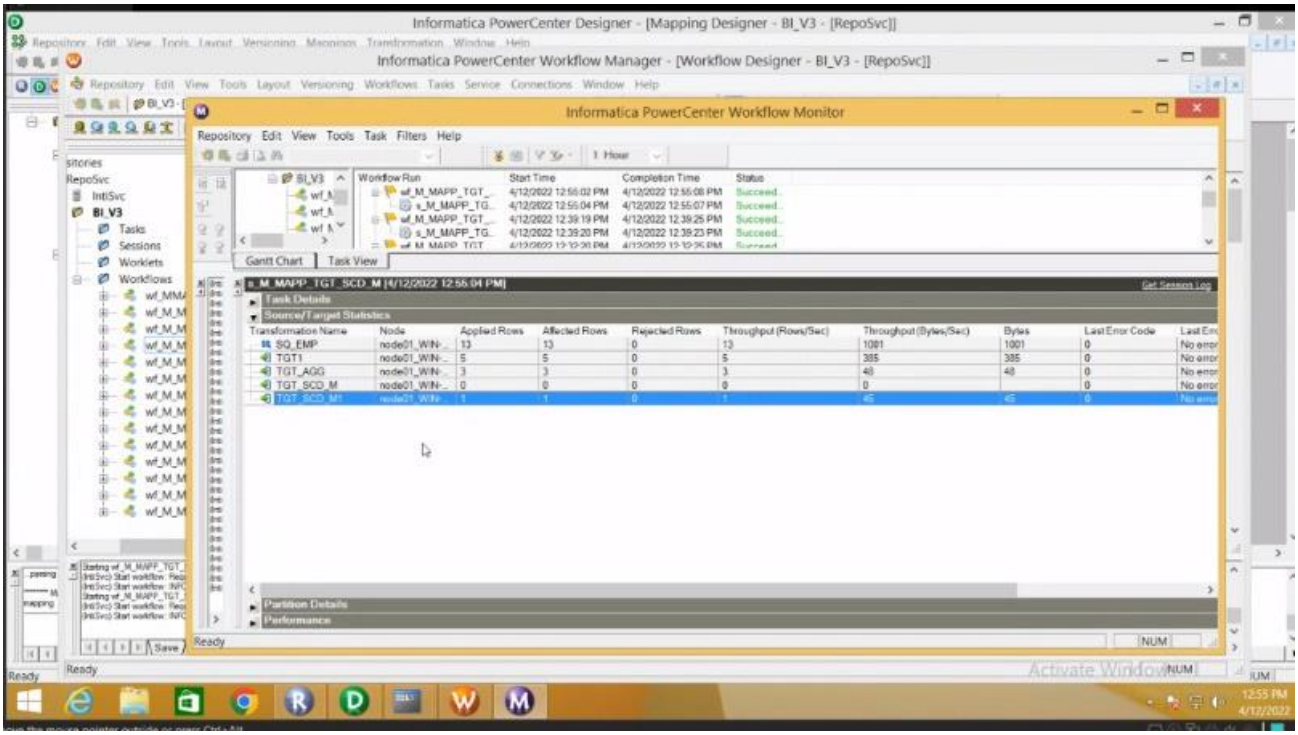
Repository Edit View Tools Layout Versioning Mappings Transformation Window Help
M_MAPP_TGT_SCD_M
Mapping Designer
Save Fetch Log Generate Validate Debugger Session Log Notifications
Ready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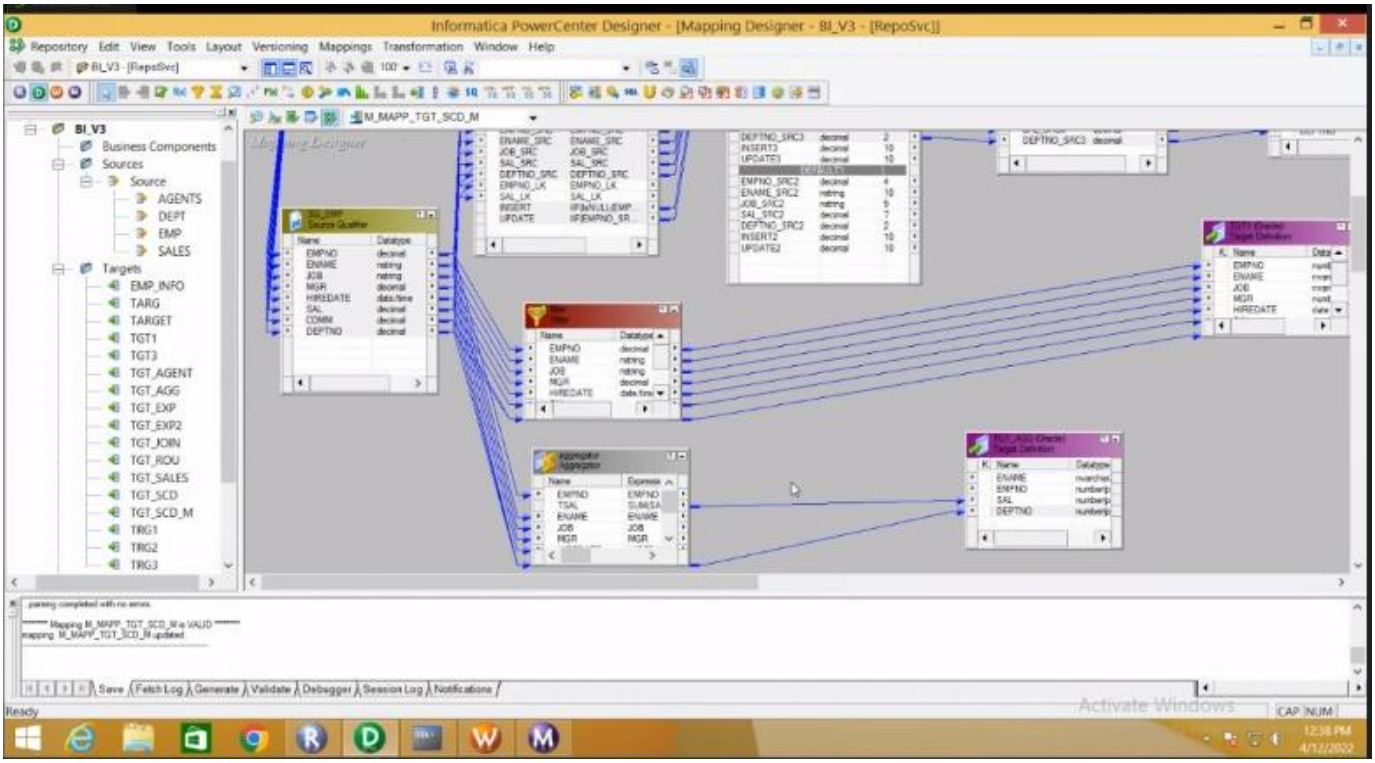
Informatica PowerCenter Workflow Manager - [Workflow Designer - BI_V3 - [RepoSvc]]
Informatica PowerCenter Workflow Monitor
Repository Edit View Tools Task Filters Help
Gantt Chart
Task View
Task Details
Source/Target Statistics
Partition Details
Performance
Ready



GITHUB LINK:

https://github.com/Vrishti123/Informatica_sprint2