

# PROJECT REPORT

**CAMP BI V3**

**BATCH 1 : GROUP 1**

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**Supervised By**

***Mr. Pranay***

**Group Members :**

- Mr. Aadarsh Awasthi
- Ms. Kajol Gupta
- Mr. Krishan Kant Dwivedi
- Mr. Kumar Naman
- Mr. Piyush Varshney
- Ms. Tulsi Gupta

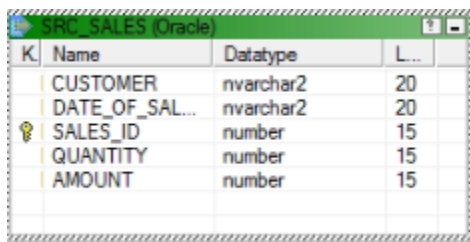
## **PROJECT DESCRIPTION**

The project involves data transformations using Informatica Power-Center.

- Steps involved in performing the Mapping:
  - a. Mapping of source table and target table.
  - b. Implementation of Aggregate function.
  - c. Implementation of required transformation.
  - d. Implementation of Update Strategy.

## **UNIT TEST REPORT**

### 1. Importing SRC\_SALES into Source Analyzer.



The screenshot shows a table named SRC\_SALES (Oracle) with the following columns:

K	Name	Datatype	L...
	CUSTOMER	nvarchar2	20
	DATE_OF_SAL...	nvarchar2	20
	SALES_ID	number	15
	QUANTITY	number	15
	AMOUNT	number	15

Fig: 01

## 2. Importing Target tables (PRJOECT\_SALES & AGGR\_TGT\_SALES) into Target Designer.

The screenshot shows two tables in the Target Designer. The first table, PROJECT\_SALES (Oracle), has columns: CUSTOMER (nvarchar2, 20), DATE\_OF\_SAL... (nvarchar2, 20), SALES\_ID (number, 15), QUANTITY (number, 15), and AMOUNT (number, 15). The second table, AGGR\_TGT\_SALES (Oracle), has columns: MAX\_AMT (number, 15), SUM\_AMT (number, 15), AVG\_AMT (number, 15), RANK (number, 15), and QUANTITY (number, 15).

K	Name	Datatype	L...
	CUSTOMER	nvarchar2	20
	DATE_OF_SAL...	nvarchar2	20
	SALES_ID	number	15
	QUANTITY	number	15
	AMOUNT	number	15

K	Name	Datatype	L...
	MAX_AMT	number	15
	SUM_AMT	number	15
	AVG_AMT	number	15
	RANK	number	15
	QUANTITY	number	15

Fig: 02

## 3. Creation of LookUp transformation and Implementing conditions.

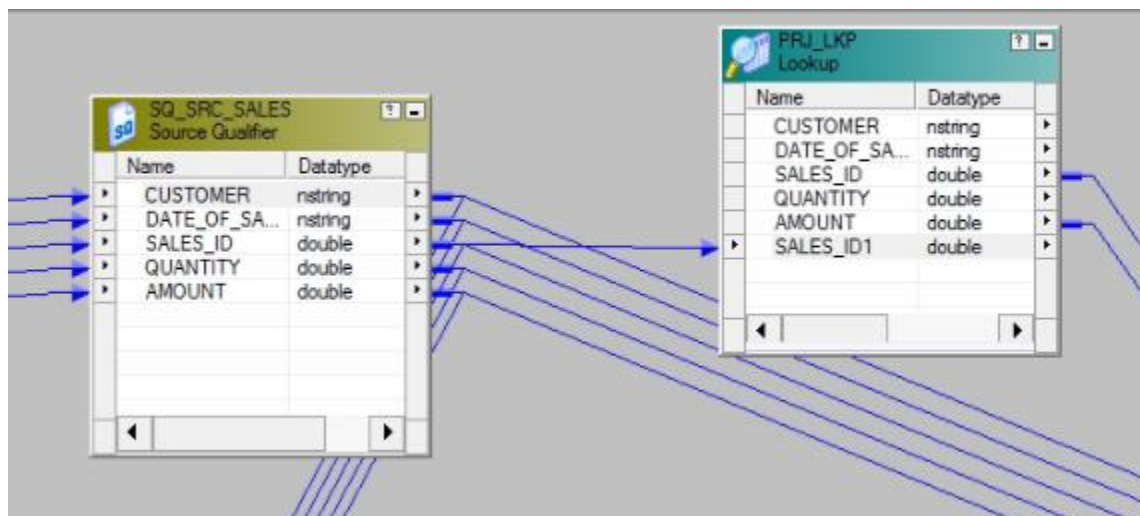


Fig: 03.1

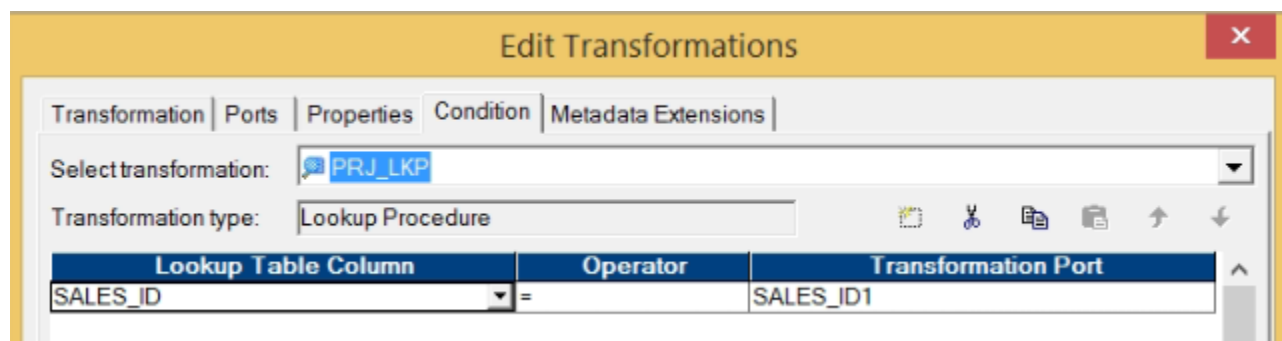


Fig: 03.2

#### 4. Creation of Expression (PRJ\_EXP) and applying conditions in Expression..

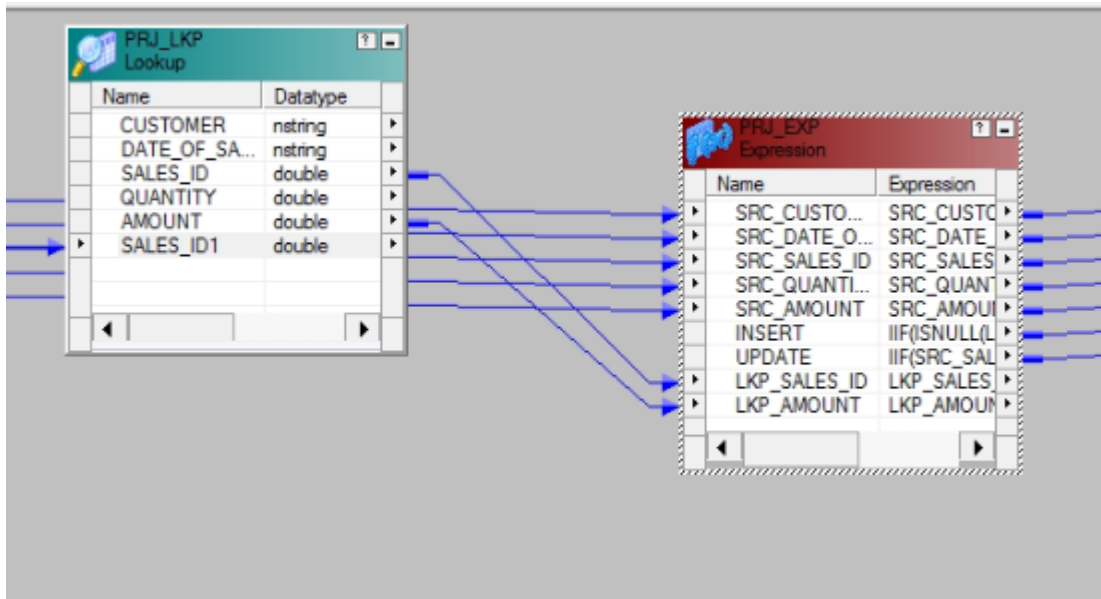


Fig: 04.1

**Edit Transformations**

Transformation Ports Properties Metadata Extensions

Select transformation: **PRJ\_EXP**

Transformation type: Expression

	Port Name	Datatype	Prec	Scale	I	O	V	Expression
1	SRC_CUSTOMER	nstring	20	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SRC_CUSTOMER
2	SRC_DATE_OF_SALES	nstring	20	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SRC_DATE_OF_SALES
3	SRC_SALES_ID	double	15	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SRC_SALES_ID
4	SRC_QUANTITY	double	15	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SRC_QUANTITY
5	SRC_AMOUNT	double	15	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SRC_AMOUNT
6	INSERT	decimal	10	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	IIF(ISNULL(LKP_SALES_ID),...
7	UPDATE	decimal	10	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	IIF(SRC_SALES_ID = LKP_S...
8	LKP_SALES_ID	double	15	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LKP_SALES_ID
9	LKP_AMOUNT	double	15	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LKP_AMOUNT

Fig: 04.2

## 5. Creation of Router and (PRJ\_ROUTER), and Implementation of Filter conditions.

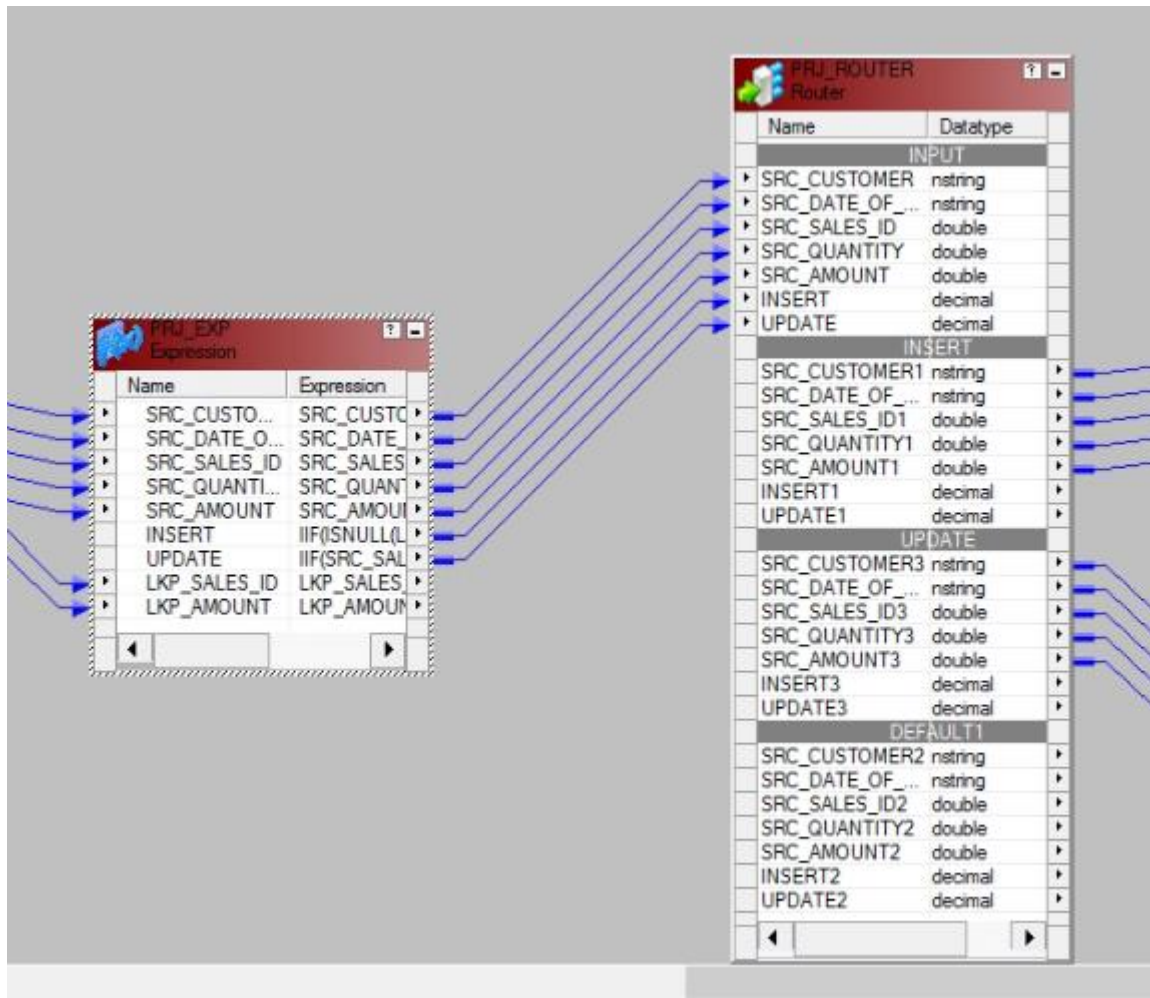


Fig: 05.1

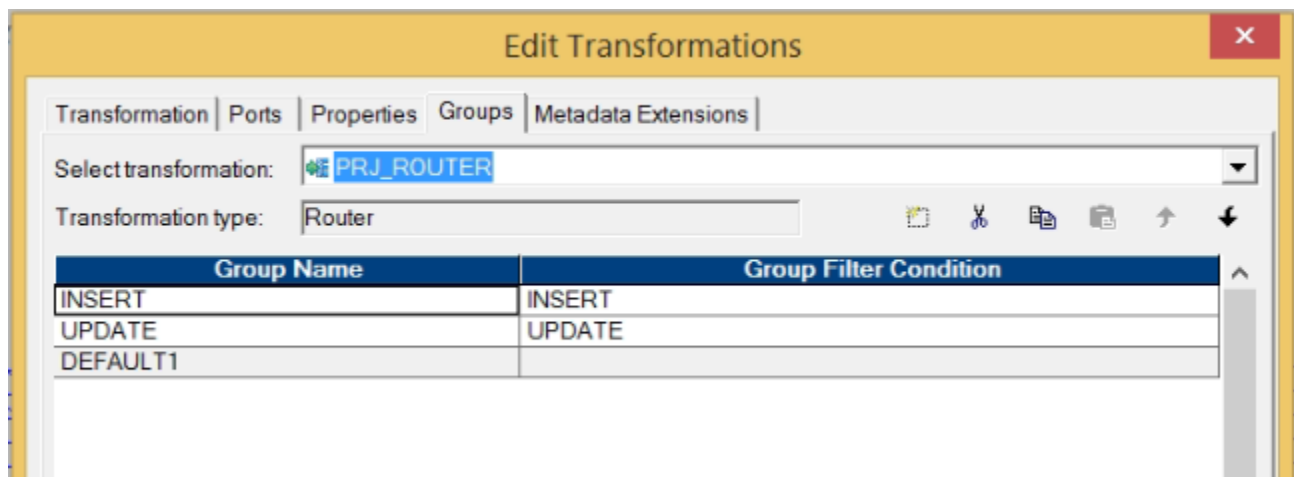


Fig: 05.2

## 6. Creation and Implementation of Update Strategy.

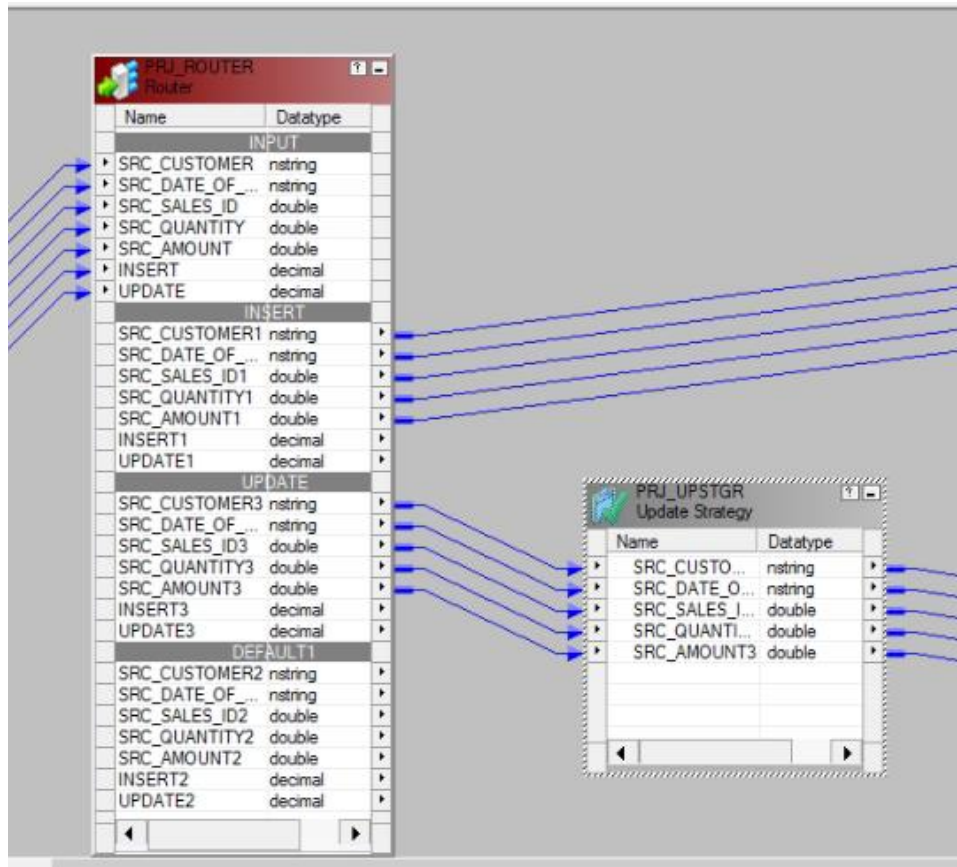


Fig: 06.1

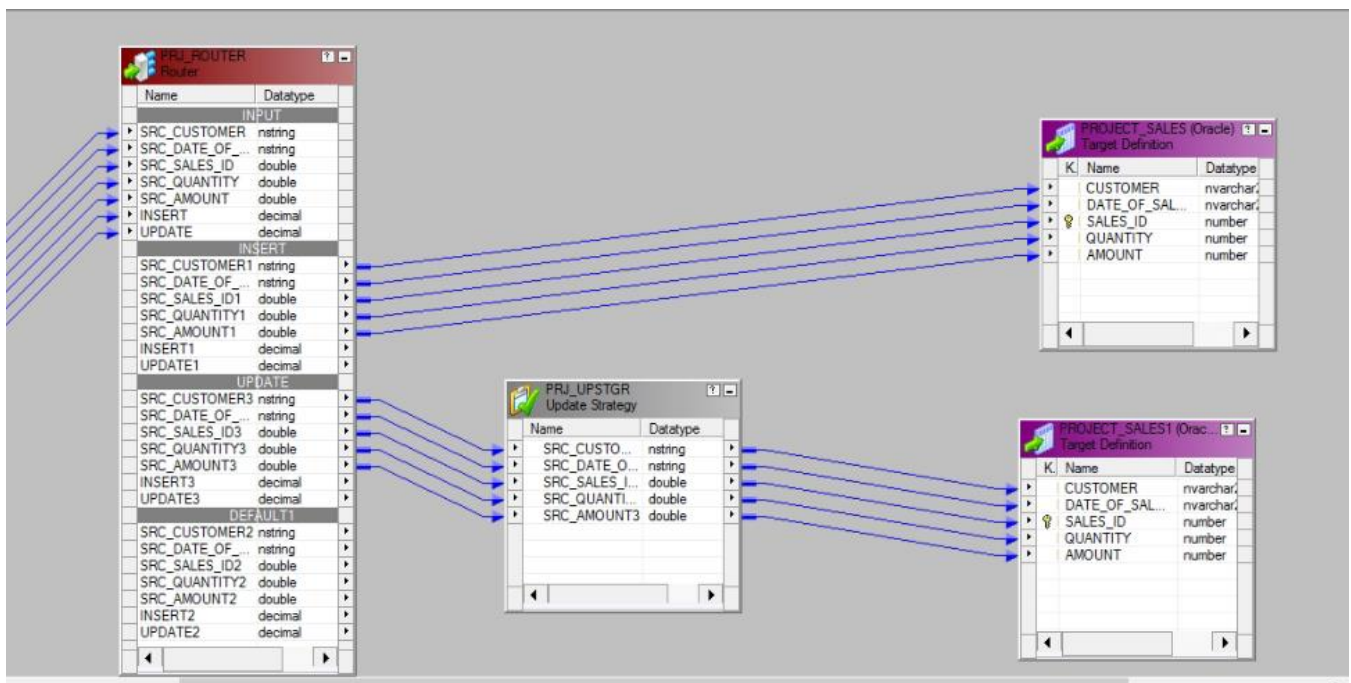




Fig: 06.2

## 7. Creation and Implementation of Aggregate function.

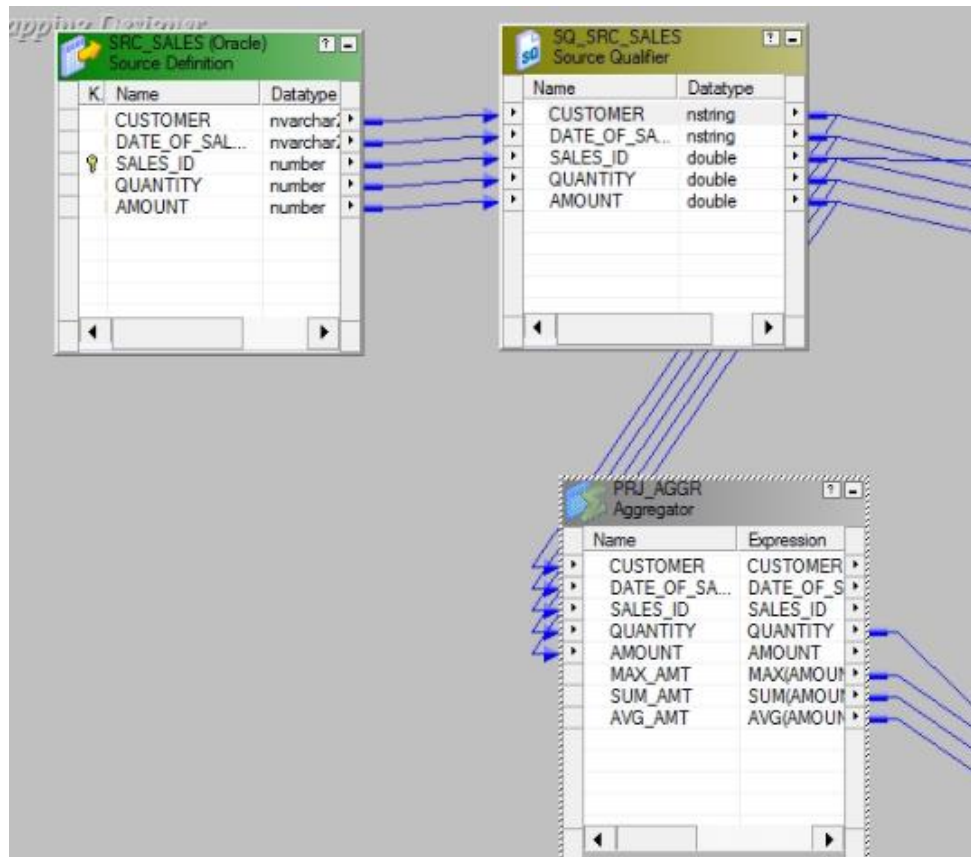


Fig: 07.1

Edit Transformations									
Transformation Ports Properties Metadata Extensions									
Select transformation: <b>PRJ_AGGR</b>									
Transformation type: Aggregator									
	Port Name	Datatype	Prec	Sc...	I	O	V	Expression	GroupBy
1	CUSTOMER	nstring	20	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	CUSTOMER	<input type="checkbox"/>
2	DATE_OF_SALES	nstring	20	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	DATE_OF_SALES	<input type="checkbox"/>
3	SALES_ID	decimal	5	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SALES_ID	<input type="checkbox"/>
4	QUANTITY	decimal	15	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	QUANTITY	<input checked="" type="checkbox"/>
5	AMOUNT	decimal	15	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AMOUNT	<input type="checkbox"/>
6	MAX_AMT	decimal	10	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MAX(AMOUNT)	<input type="checkbox"/>
7	SUM_AMT	decimal	10	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SUM(AMOUNT)	<input type="checkbox"/>
8	AVG_AMT	decimal	10	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AVG(AMOUNT)	<input type="checkbox"/>

Fig: 07.2



## 8. Creation and Implementation of Ranking Function.

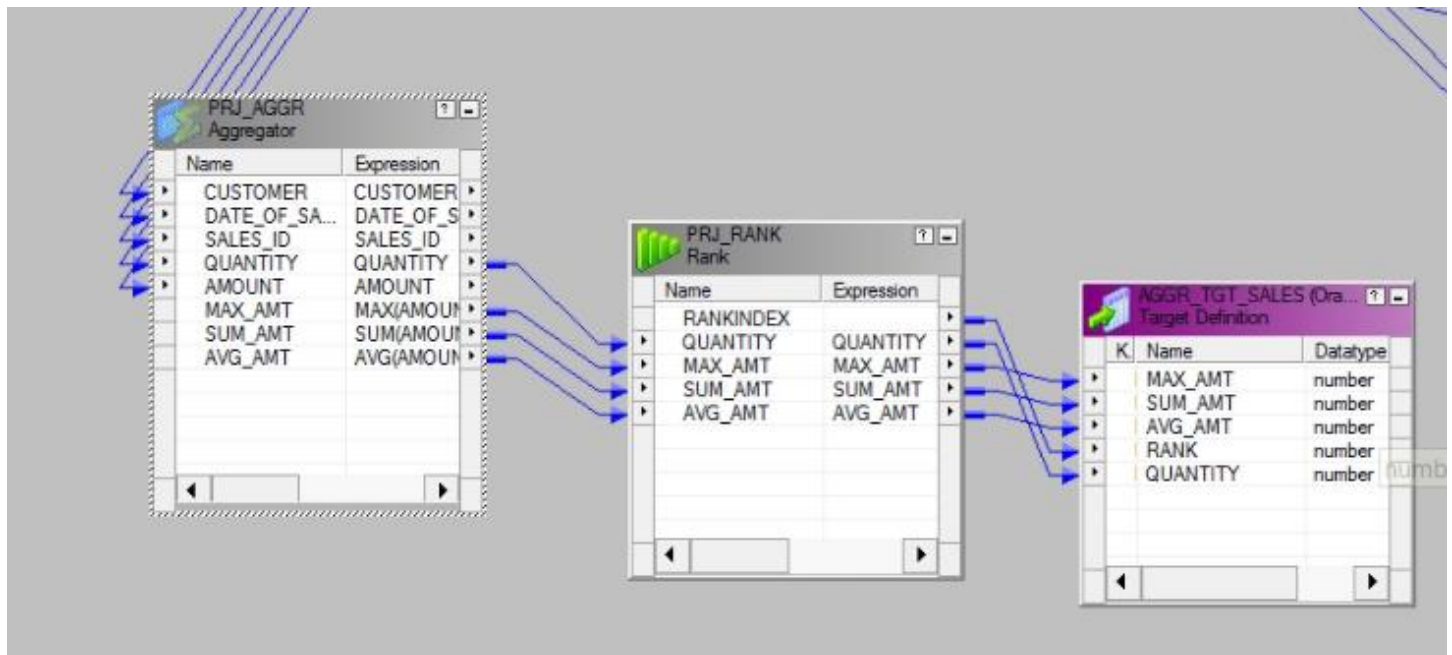


Fig: 08.1

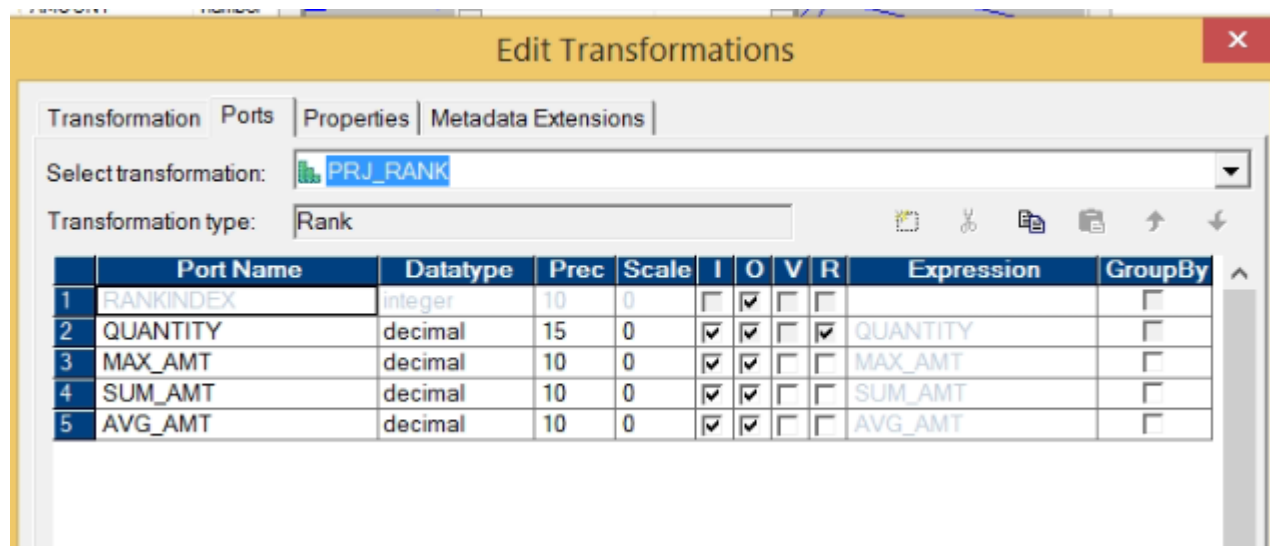


Fig: 08.2

## 9. Designing of Workflow.

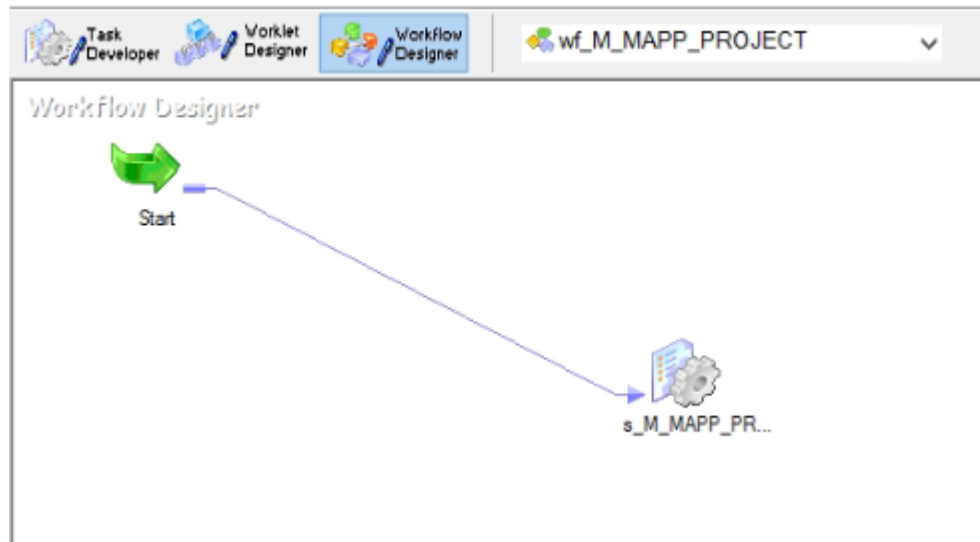


Fig: 09.1

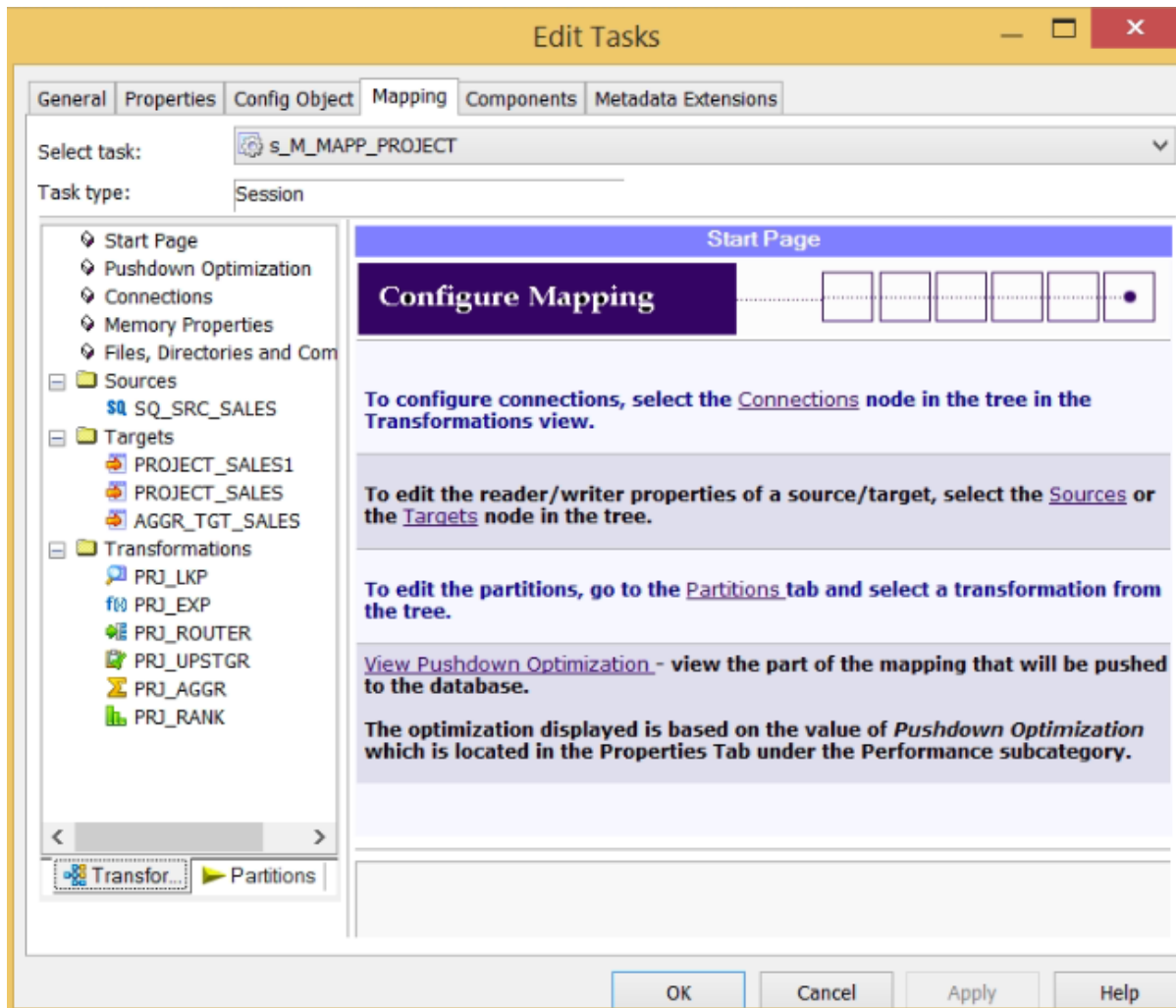


Fig: 09.2

## 10. Successful execution of Workflow.

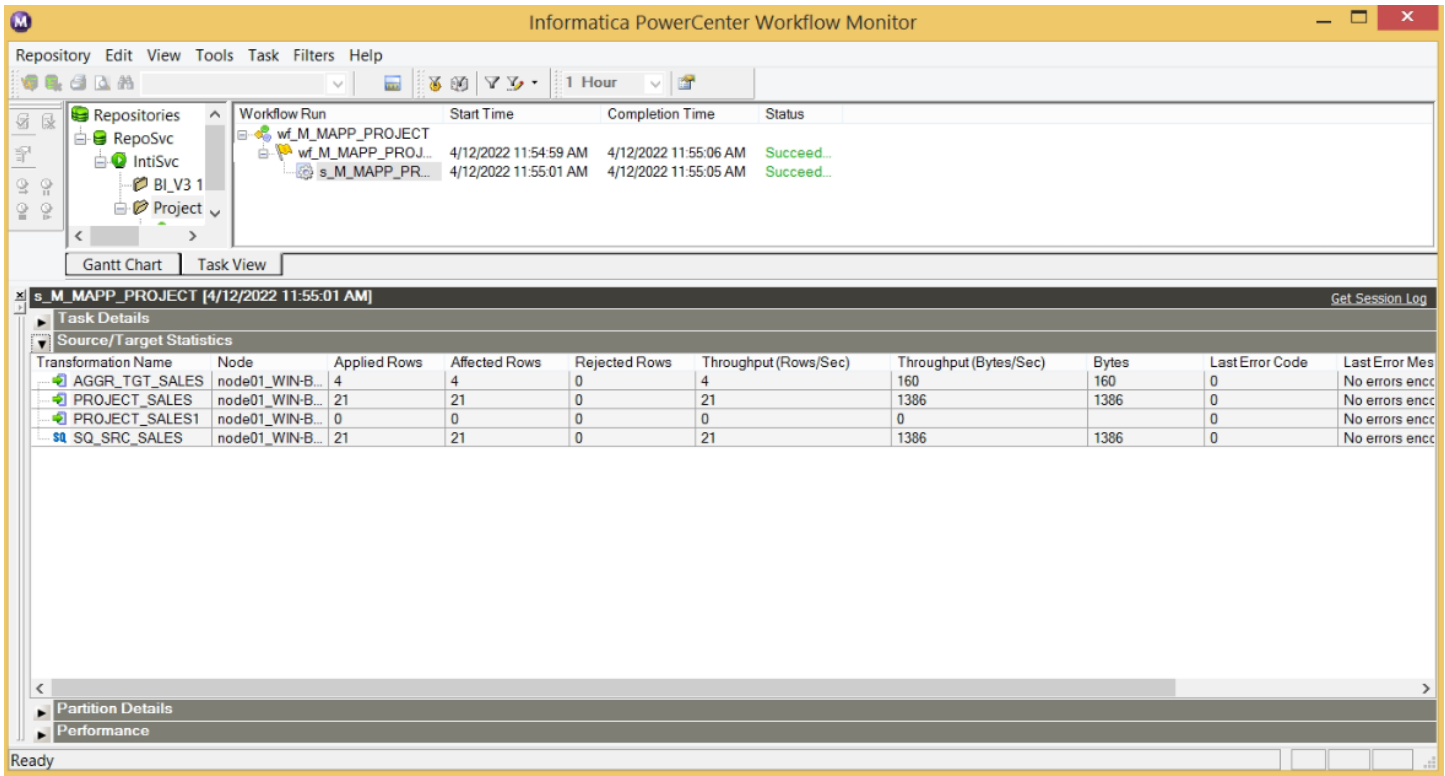


Fig: 10