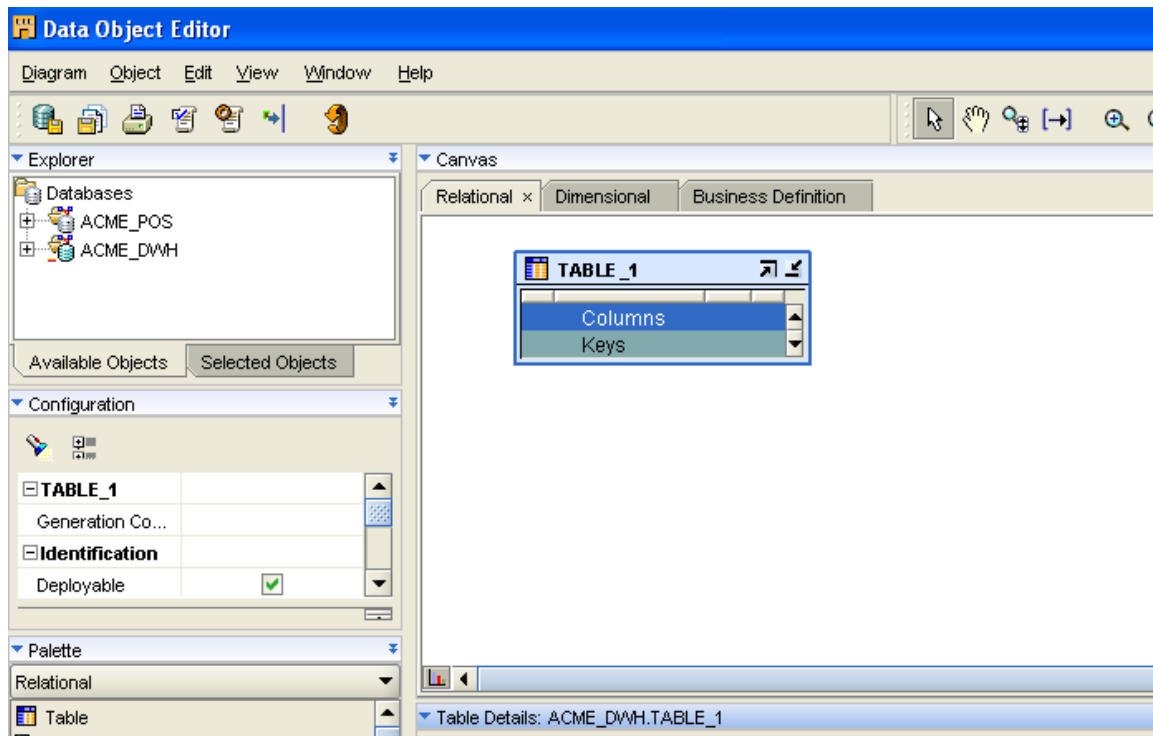
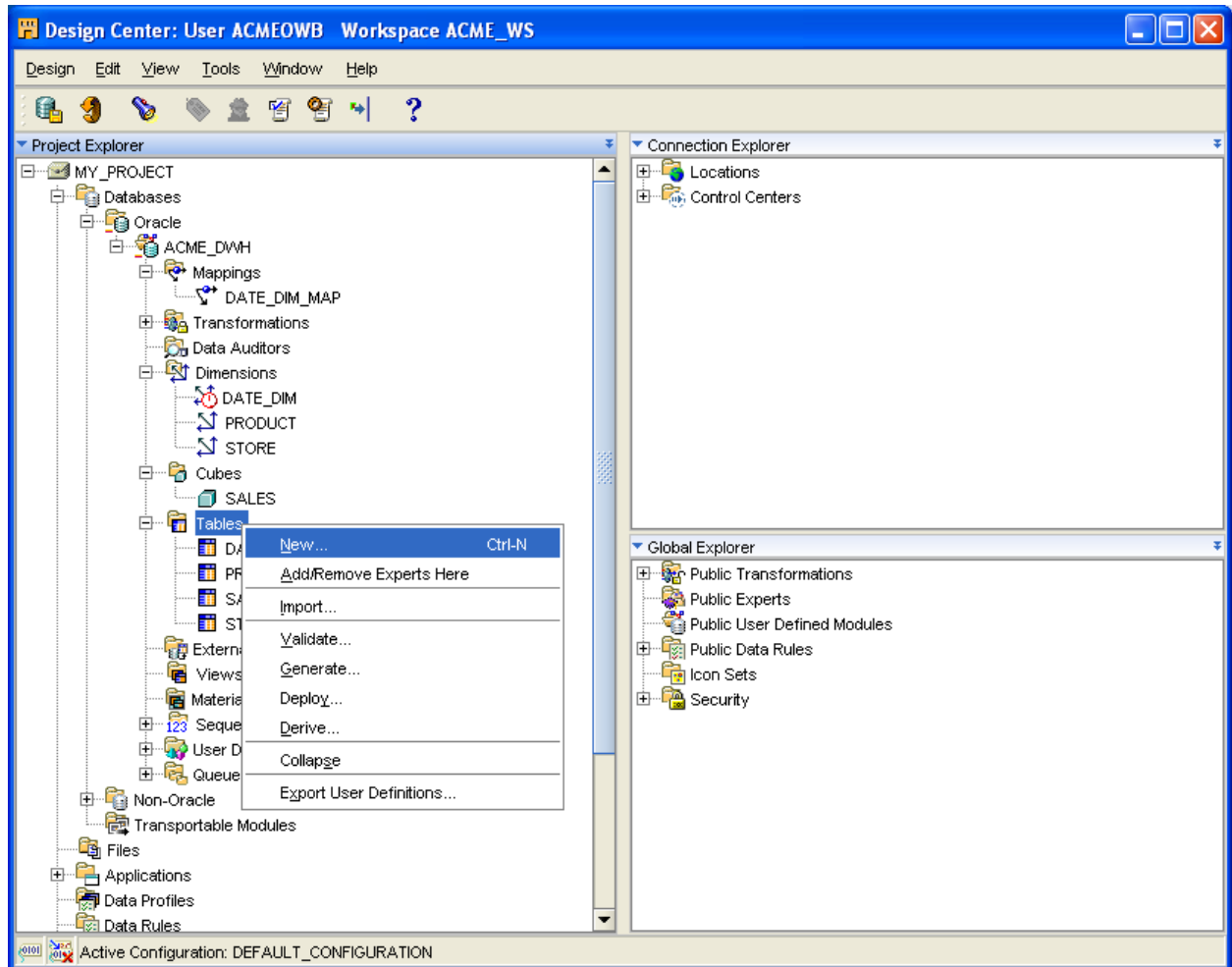
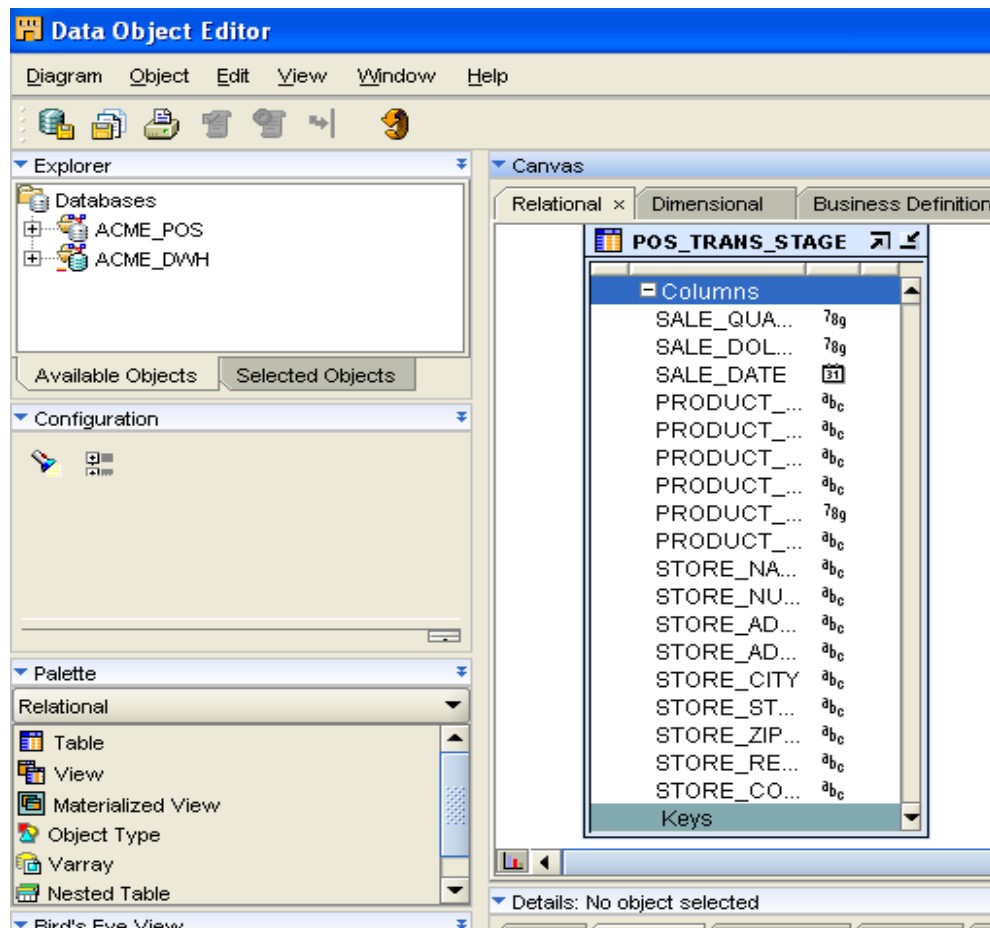
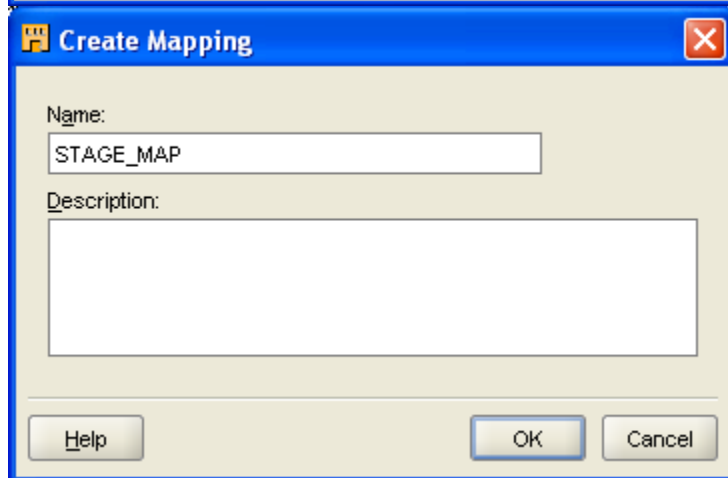
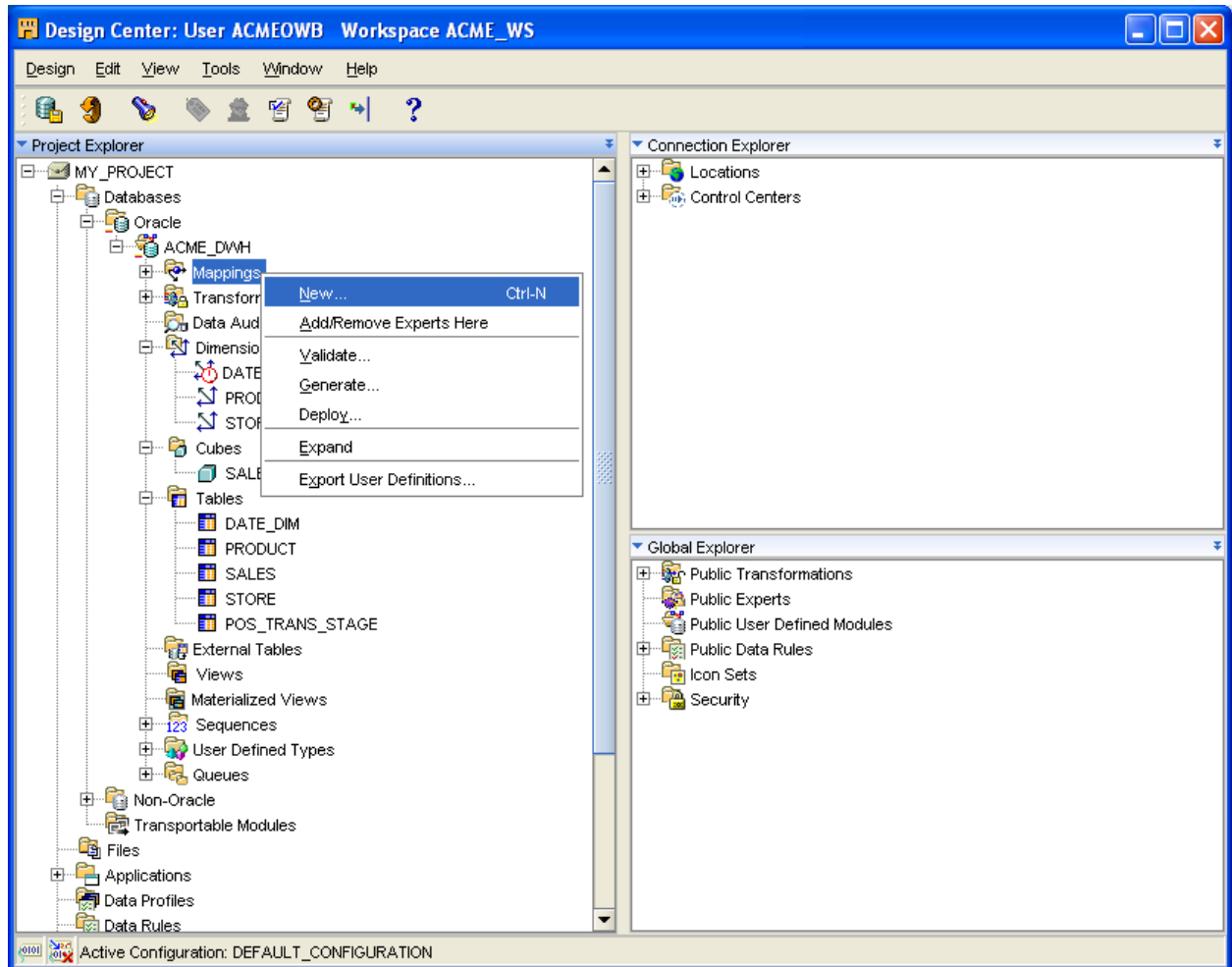








JOINER Editor: JOINER

Name Groups Input Attributes Output Attributes

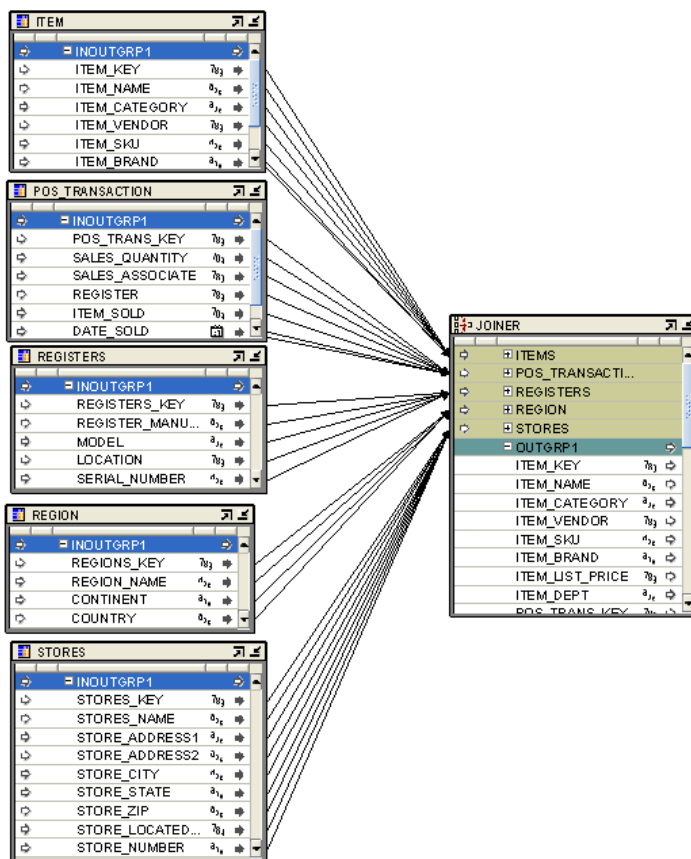
Define the groups for the JOINER operator:

Group	Direction	Description
ITEMS	Input	
POS_TRANSA...	Input	
REGISTERS	Input	
REGION	Input	
STORES	Input	
OUTGRP1	Output	

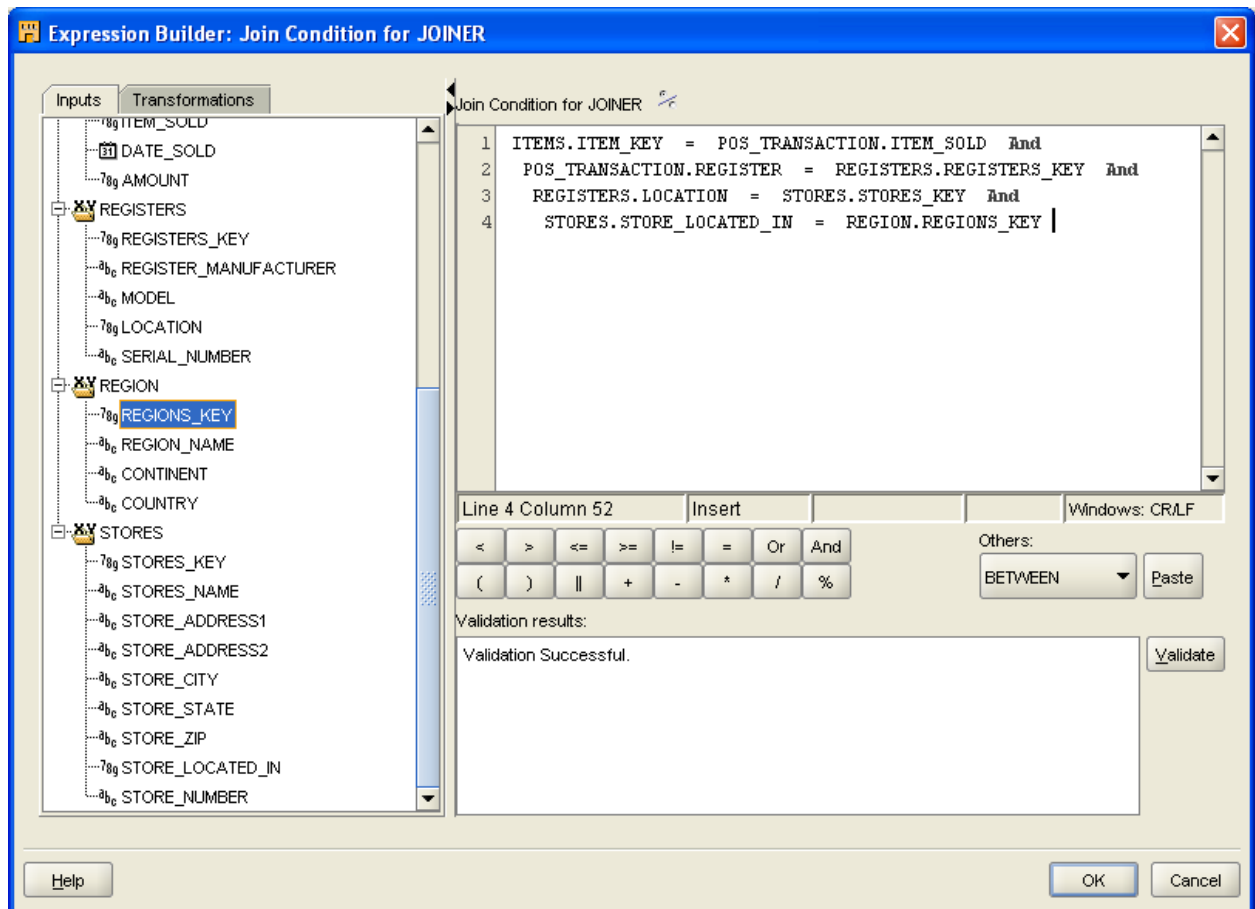
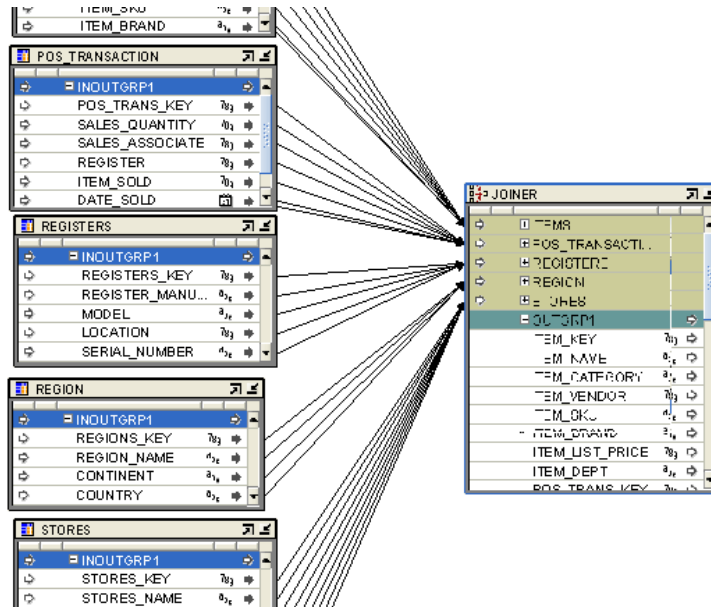
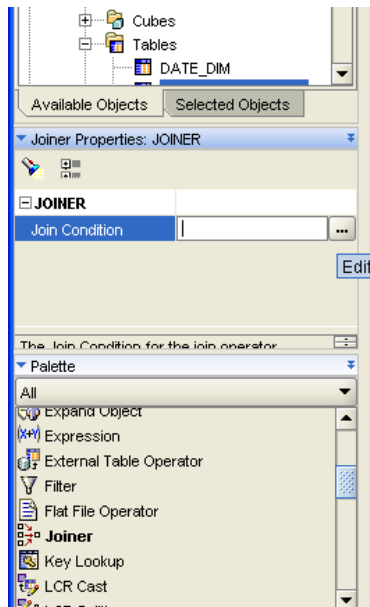
Add Remove

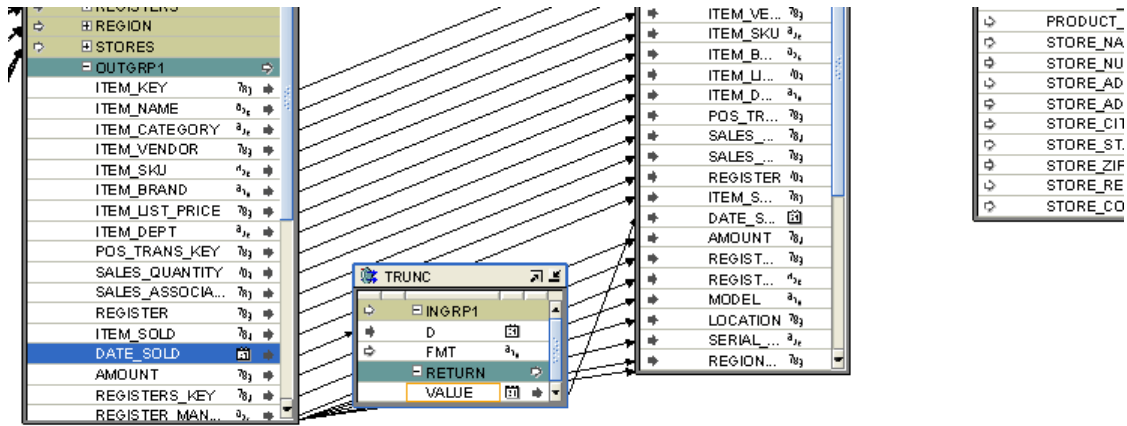
Help OK Cancel

Mapping



Mapping STAGE_MAP





Mapping STAGE - MAP

Expression Builder: Group By Clause for AGGREGATOR

Inputs: SALES_QUANTITY, SALES_ASSOCIATE, REGISTER, ITEM_SOLD, **DATE_SOLD**, AMOUNT, REGISTERS_KEY, REGISTER_MANUFACTURER, MODEL, LOCATION, SERIAL_NUMBER, REGIONS_KEY, REGION_NAME, CONTINENT, COUNTRY, STORES_KEY, STORES_NAME, STORE_ADDRESS1, STORE_ADDRESS2, STORE_CITY, STORE_STATE, STORE_ZIP, STORE_LOCATED_IN, STORE_NUMBER.

Transformations: Group By Clause for AGGREGATOR

```

1 INGRP1.ITEM_NAME , INGRP1.ITEM_CATEGORY , INGRP1.ITEM_SKU ,
2 INGRP1.ITEM_BRAND , INGRP1.ITEM_LIST_PRICE , INGRP1.ITEM_DEPT ,
3 INGRP1.STORES_NAME , INGRP1.STORE_ADDRESS1 ,
4 INGRP1.STORE_ADDRESS2 , INGRP1.STORE_CITY ,
5 INGRP1.STORE_STATE , INGRP1.STORE_ZIP , INGRP1.REGION_NAME ,
6 INGRP1.COUNTRY , INGRP1.DATE_SOLD

```

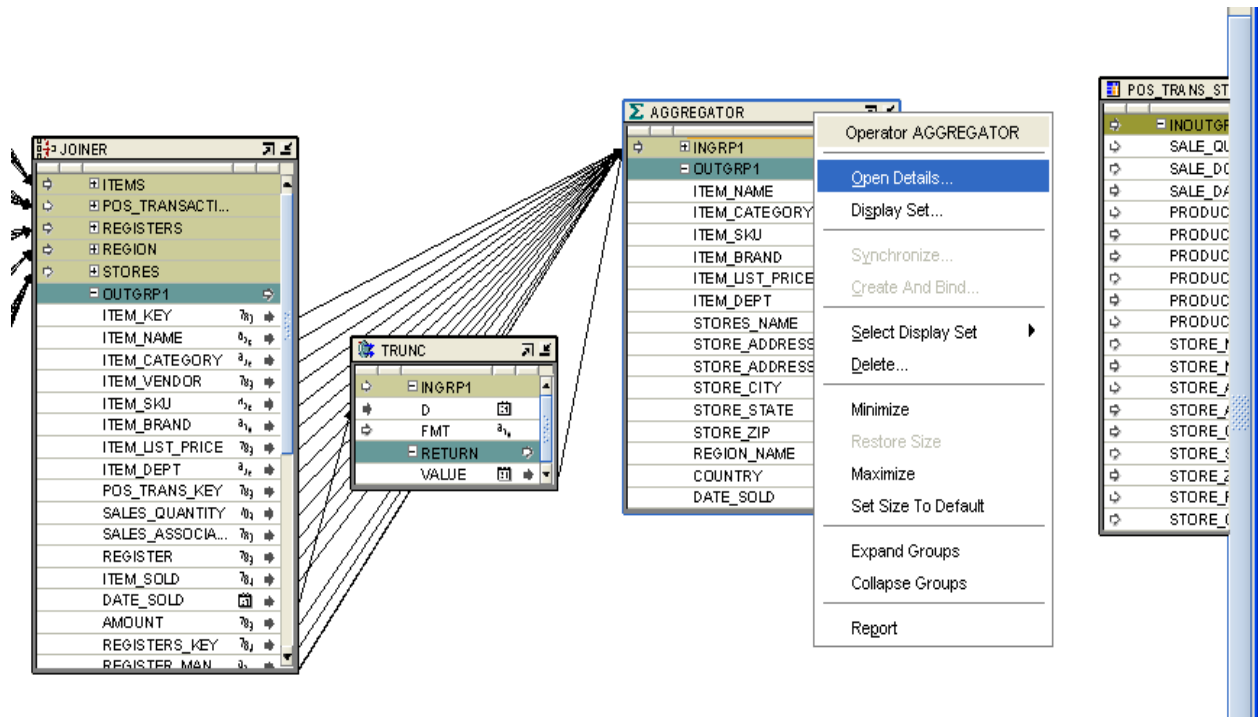
Line 6 Column 3 Insert Modified Windows: CR/LF

Others: CUBE Paste

Validation results:

Validate

Help OK Cancel



AGGREGATOR Editor: AGGREGATOR

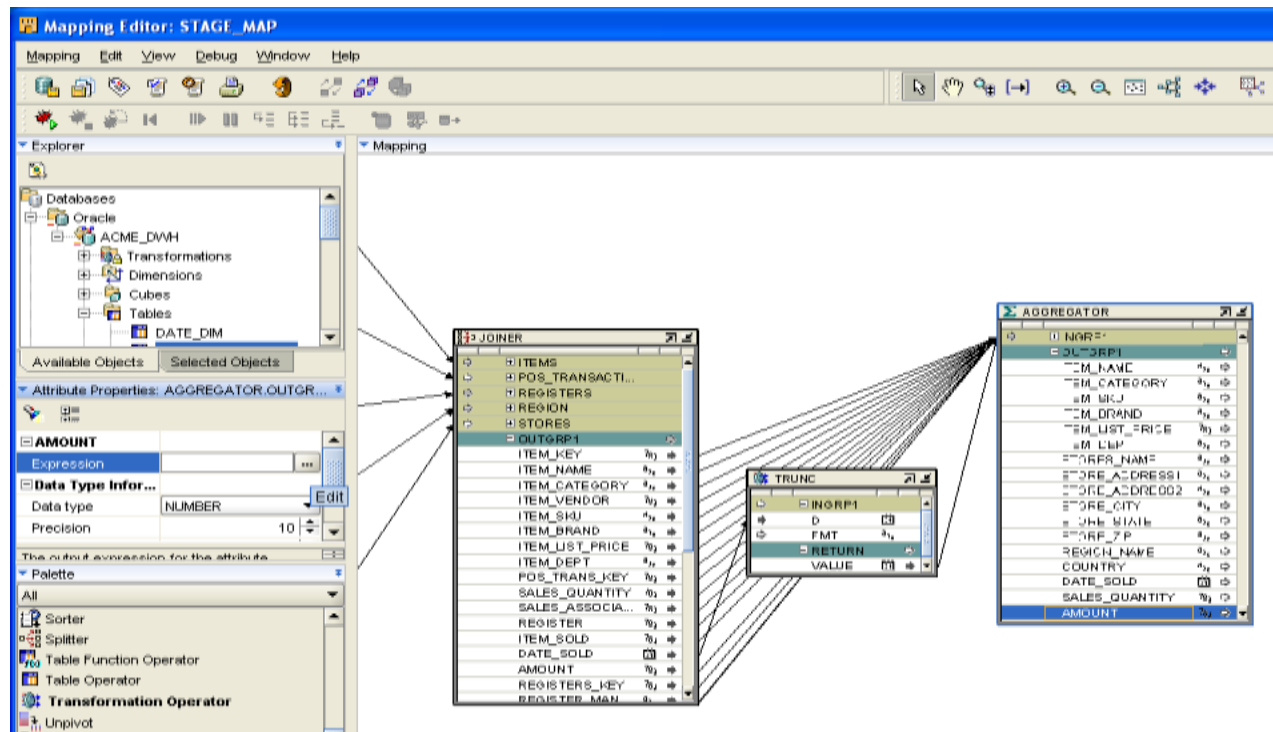
Name Groups Input Attributes Output Attributes

Define the output attributes for the AGGREGATOR operator:

Attribute	Data type	Length	Precision	Scale	Second...	Description
ITEM_BRAND	VARCHAR2	50				
ITEM_LIST_PRICE	NUMBER		6	2		
ITEM_DEPT	VARCHAR2	50				
STORES_NAME	VARCHAR2	50				
STORE_ADDRESS1	VARCHAR2	50				
STORE_ADDRESS2	VARCHAR2	50				
STORE_CITY	VARCHAR2	50				
STORE_STATE	VARCHAR2	50				
STORE_ZIP	VARCHAR2	50				
REGION_NAME	VARCHAR2	50				
COUNTRY	VARCHAR2	50				
DATE_SOLD	DATE					
SALES_QUANTITY	NUMBER		0	0		
AMOUNT	NUMBER		10	2		

Add Remove

Help OK Cancel



Expression

Create an aggregation function expression by selecting values for each of the choice boxes below, then click the "Use Above Values" button. The Expression text at the bottom may be directly edited also.

Function: SUM (

ALL/DISTINCT: ALL

Attribute: AMOUNT)

KEEP (DENSE_RANK) <NONE>

ORDER BY

ITEM_KEY ASC NULLS LA...

ASC NULLS LA...

ASC NULLS LA...

Use Above Values

Expression:

```
SUM(INGRP1.AMOUNT)
```

Help OK Cancel

