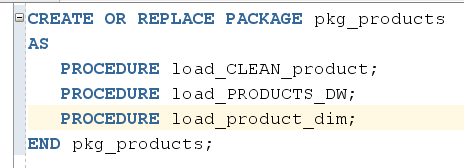
U2.EXIT TASK

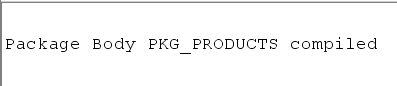
Alina Sadovskaya

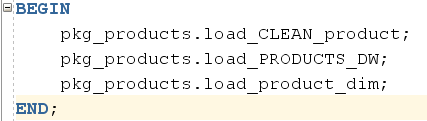
1. Exit Task

Let's combine all the procedures in one package that load data from the SA level to the star level:

* PRODUCTS:

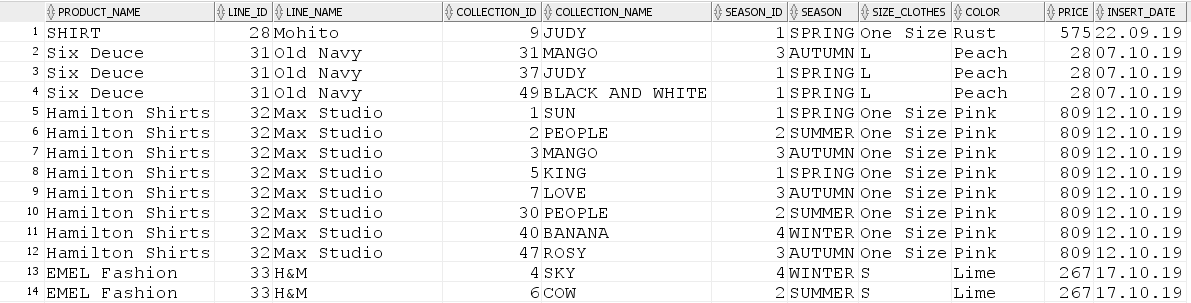




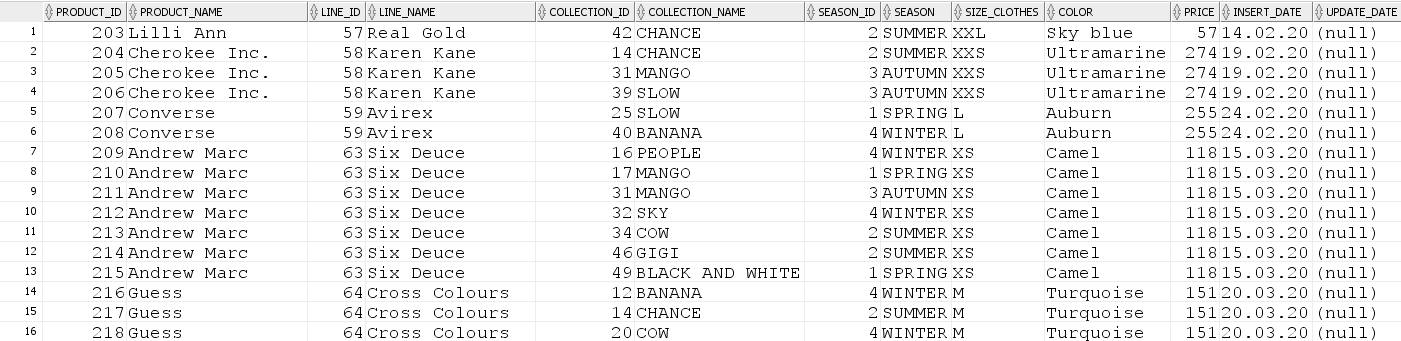


Result table:

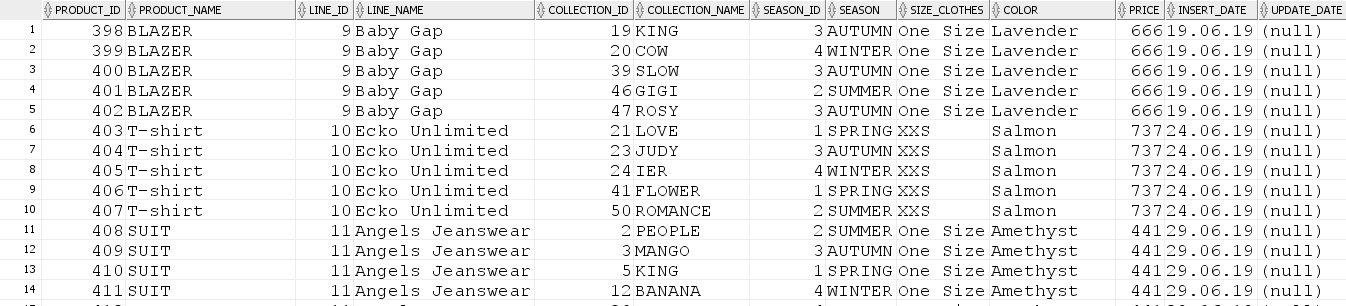
CLEANSING AREA:



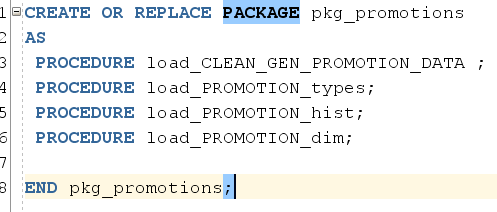
DW LAYER:

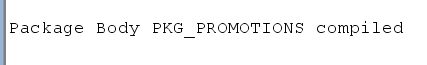


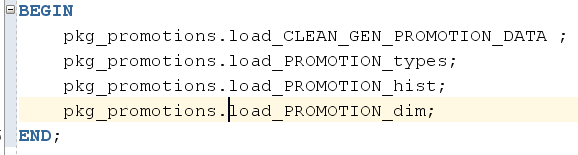
DIM\_product:



* PROMOTIONS:

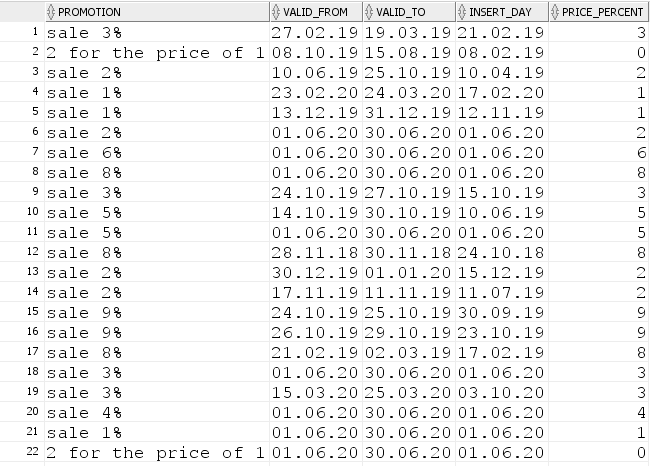






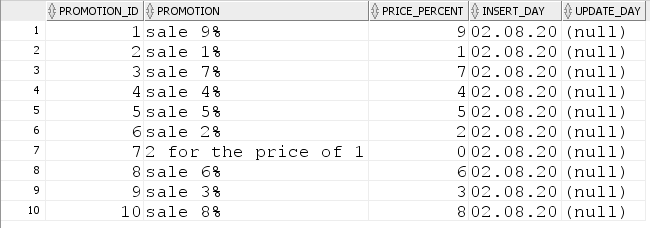
Result table:

CLEANSING AREA:

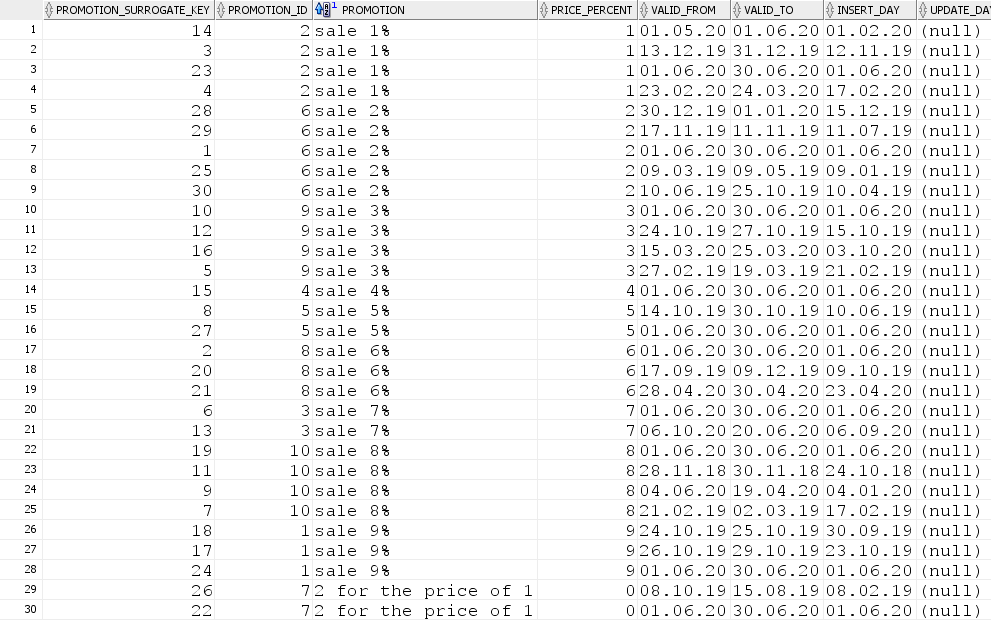


DW LAYER:

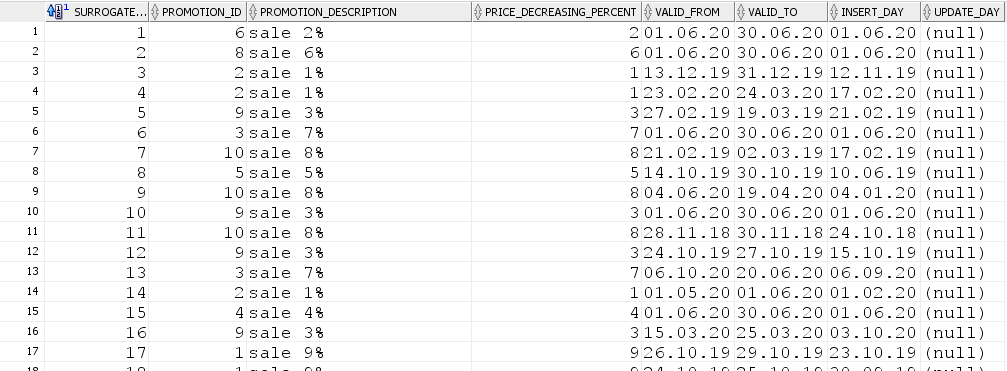
Dw\_promotion\_type:



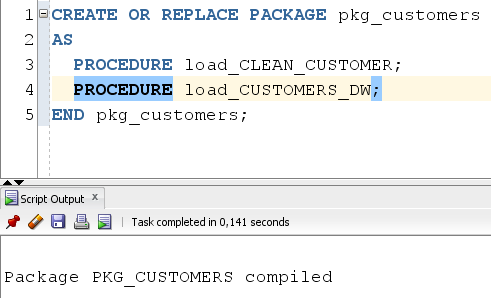
DW\_PROMOTION\_HIST:



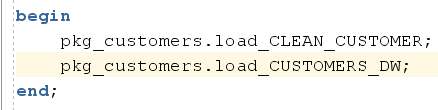
DIM\_PROMOTION\_SCD:



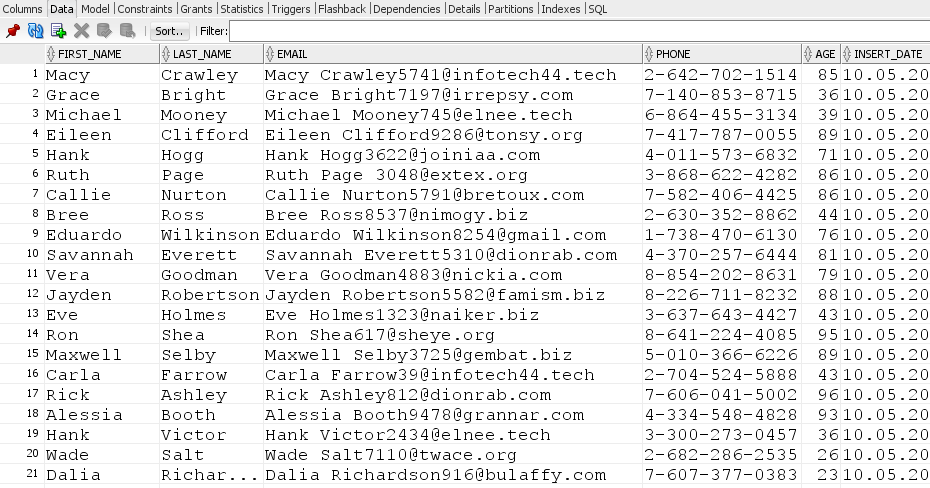
* CUSTOMERS:



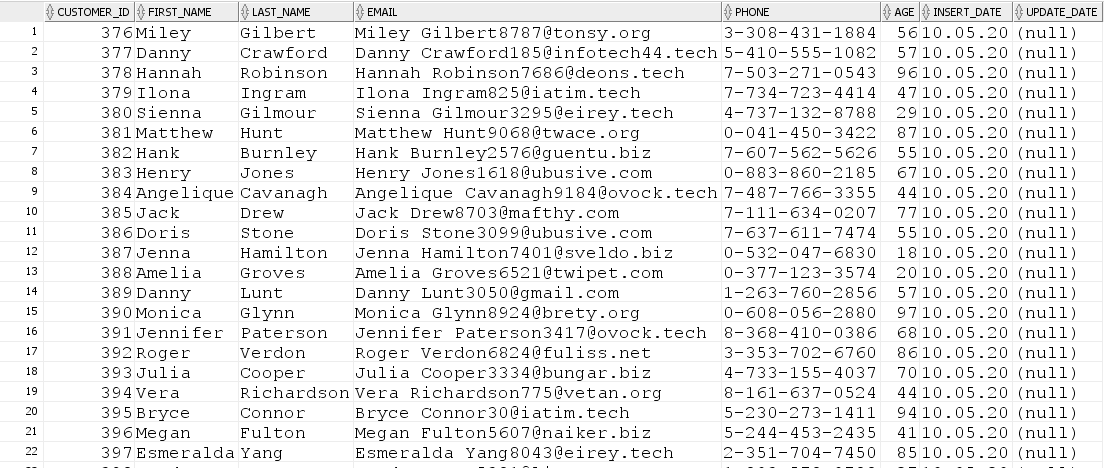




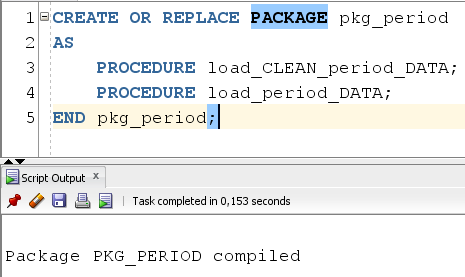
Result table:

CLEANSING LAYER:

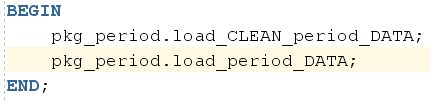
DW LAYER:



* PERIODS

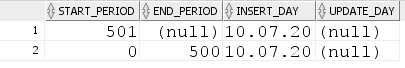






Result table:

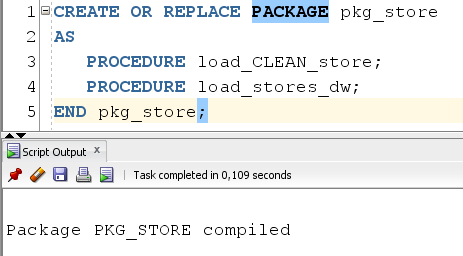
CLEANSING AREA:



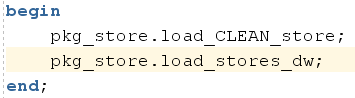
DW LAYER:



* STORES

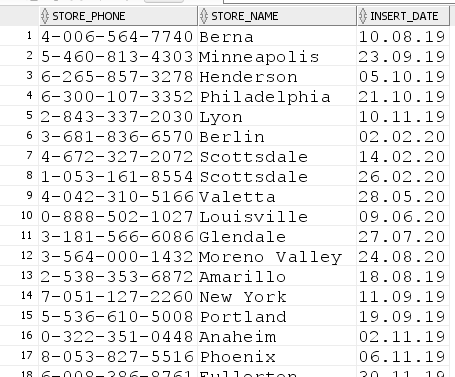




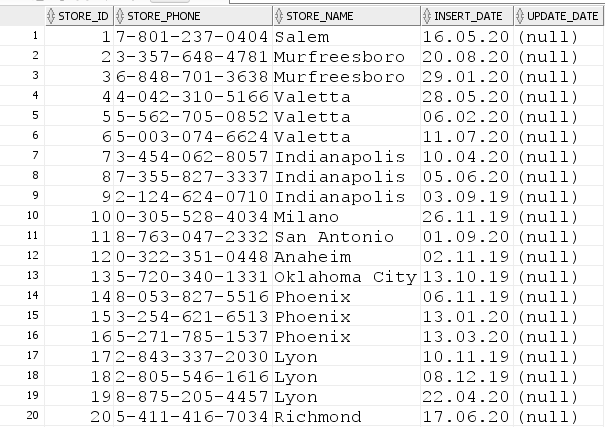


Result table:

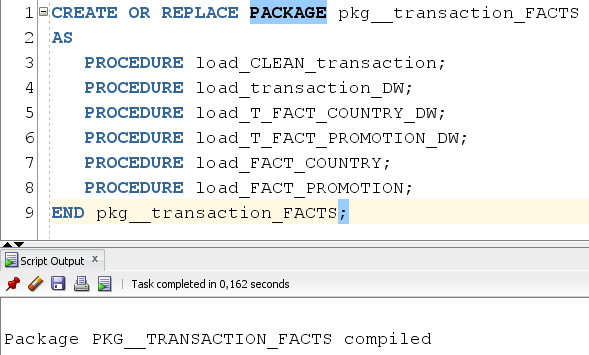
CLEANSING AREA:



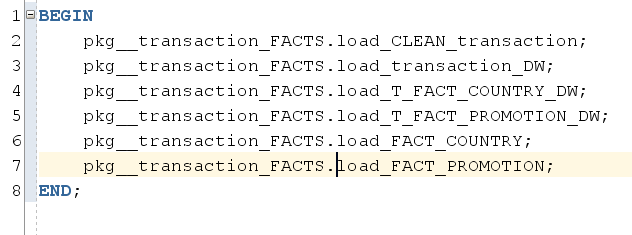
DW LAYER:



* TRANSACTIONS->FACTS:

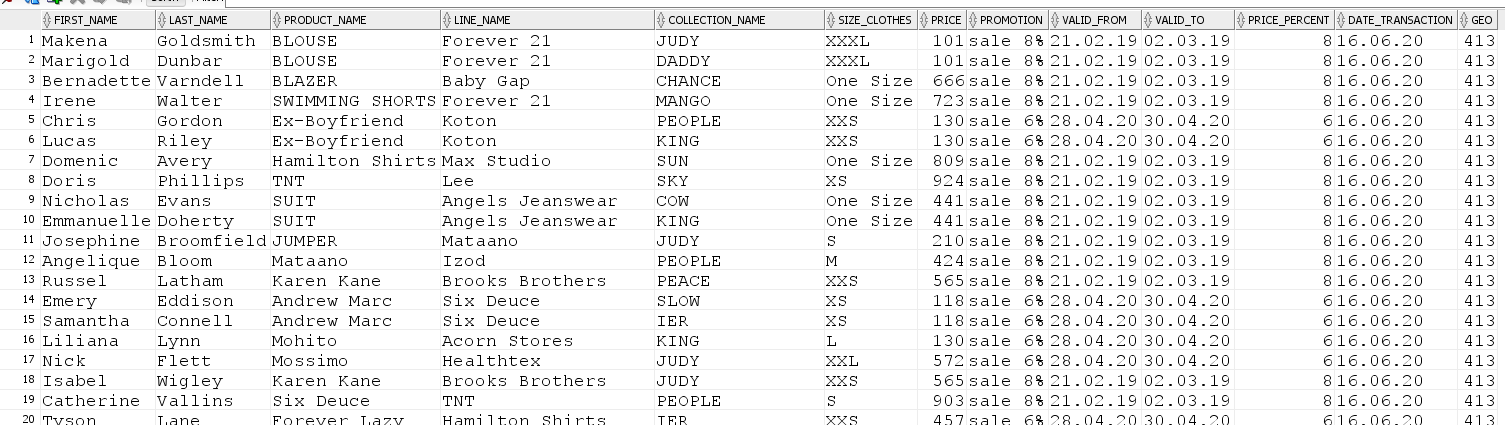






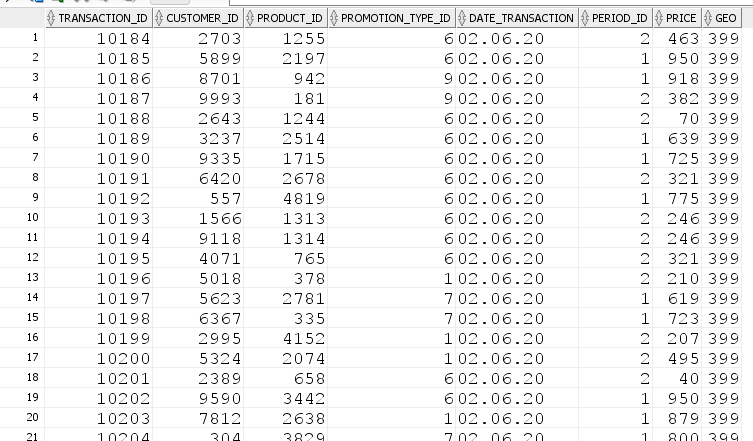
Result table:

CLEANSING AREA:(TRANSACTION)

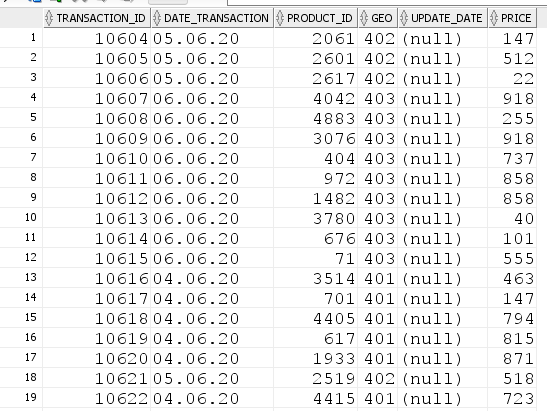


DW LAYER:

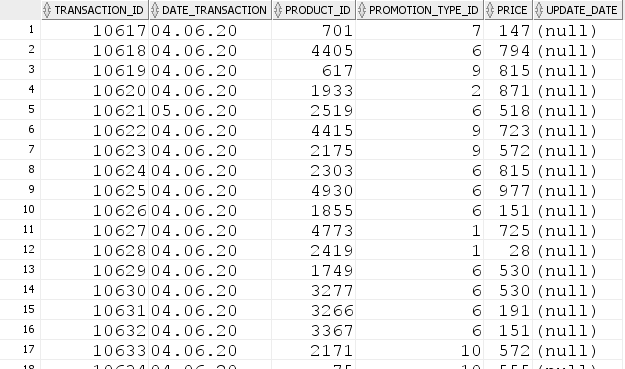
TRANSACTION



T\_COUNTRY\_FACT\_SALES\_DD

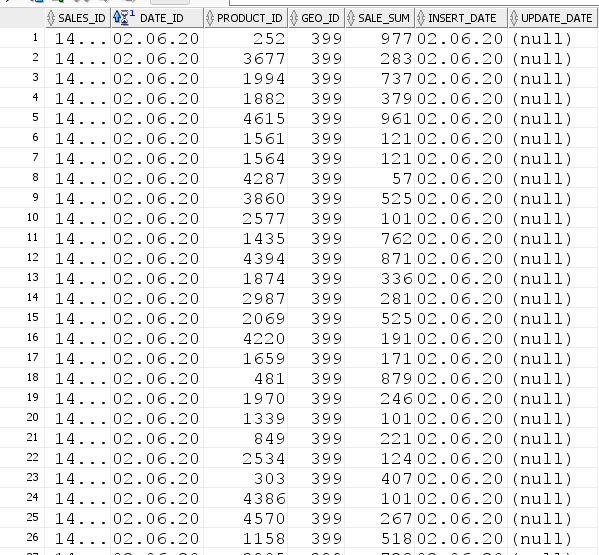


T\_RETAIL\_FACT\_SALES\_DD

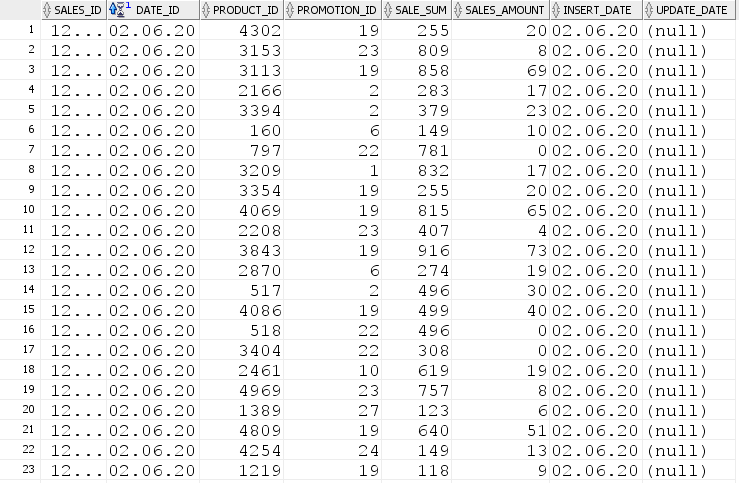


FACT\_TABLE:

COUNTRY\_FACT\_SALES\_DD



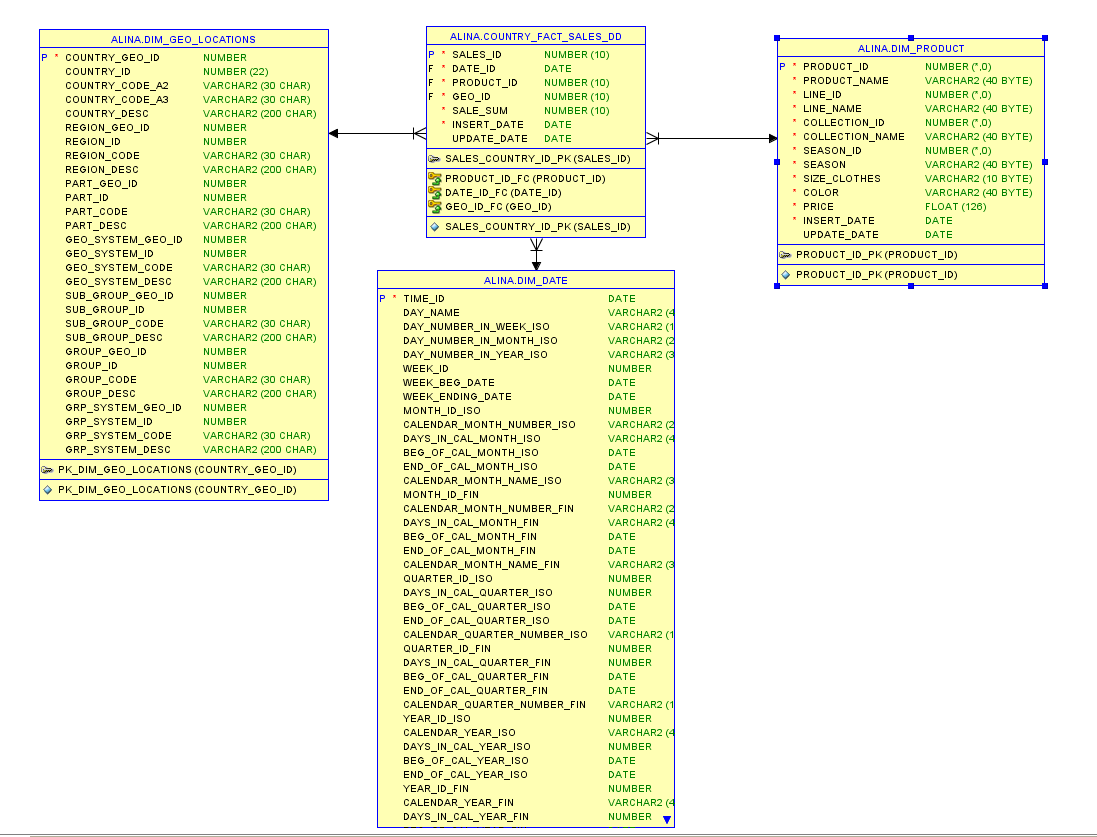
RETAIL\_FACT\_SALES\_DD



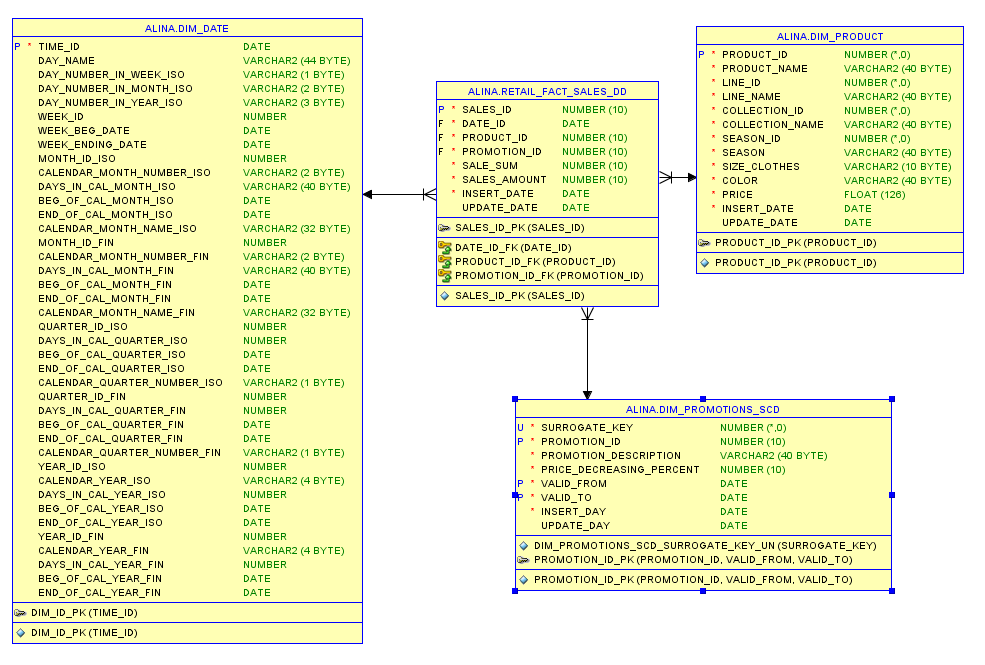
2. Result Task 01: Test Star Data

* Star Solution Scheme (Physical Objects)

COUNTRY\_FACT\_SALES\_DD

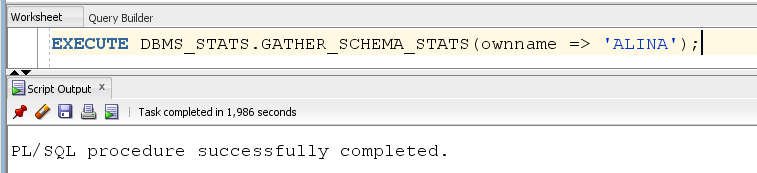


RETAIL\_FACT\_SALES\_DD



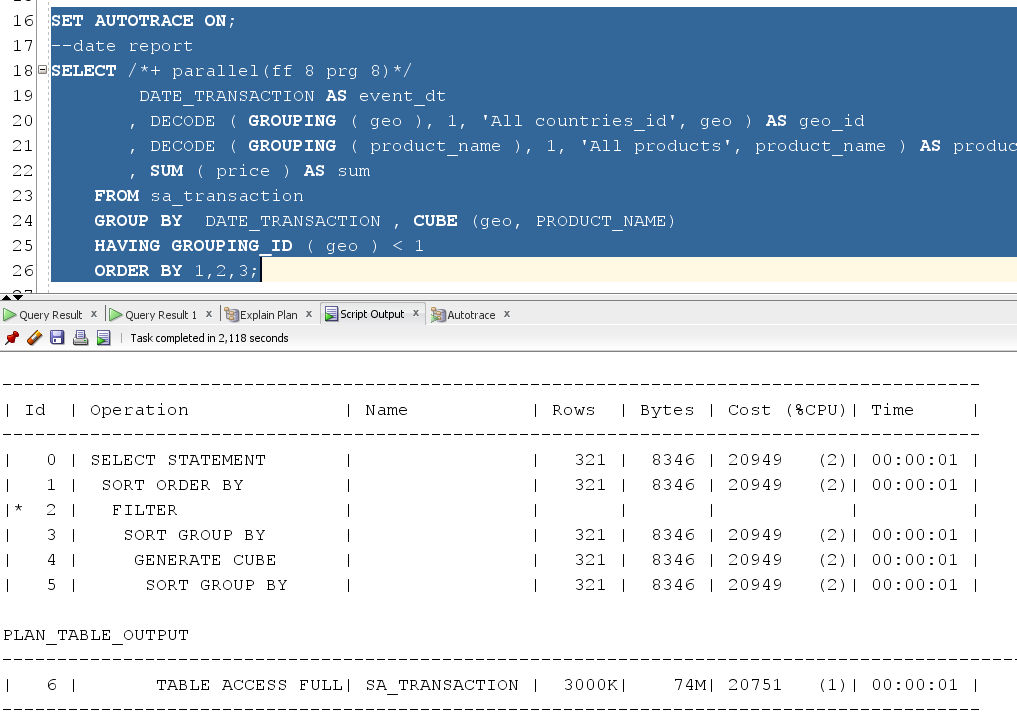
* Statistics for Star Scheme

The statistics which is required by cost based optimizer was gathered using DBMS\_STATS package. Result of procedure execution for schema is presented below:

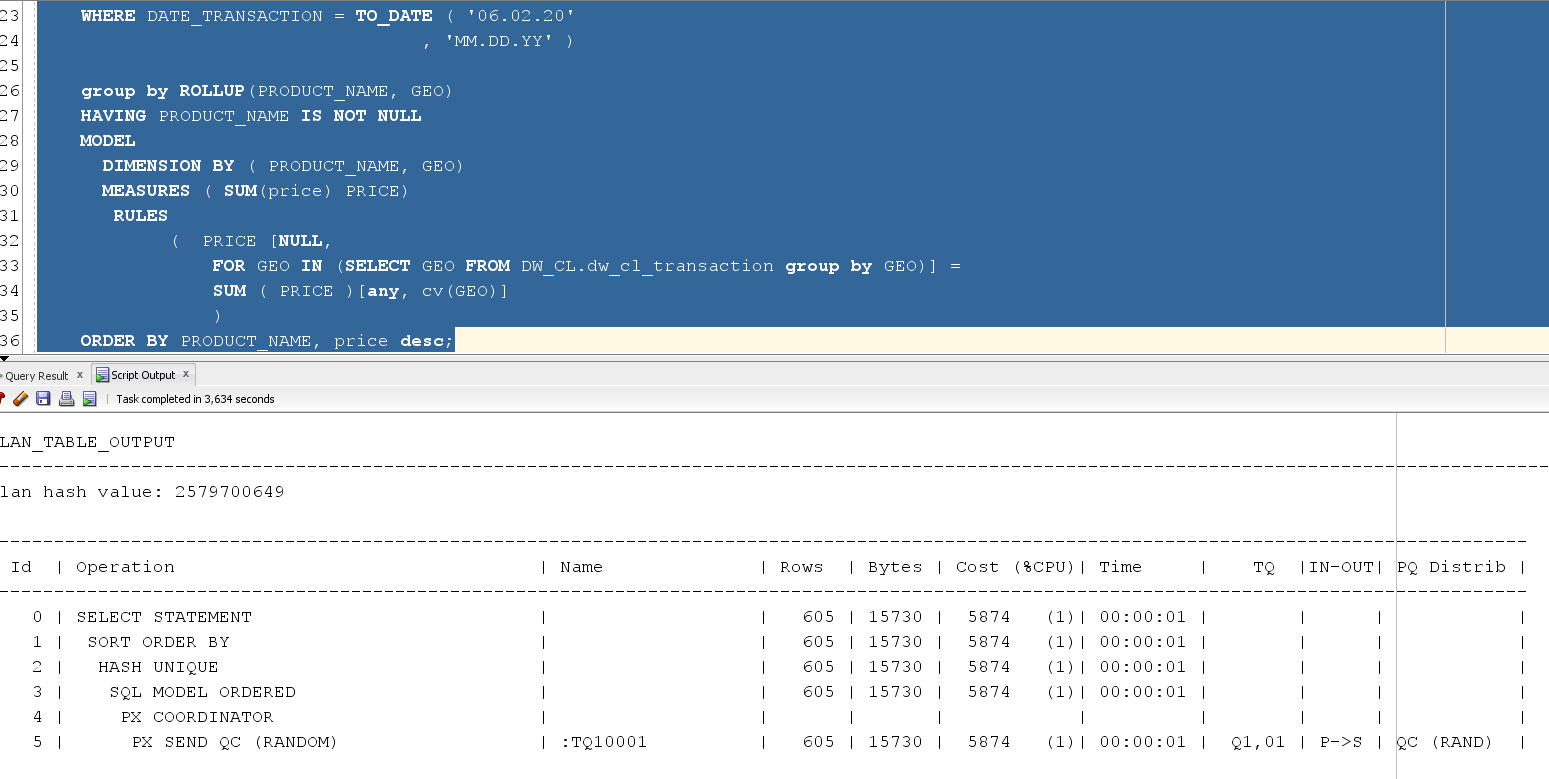


3. Result Task 02: Performance comparison

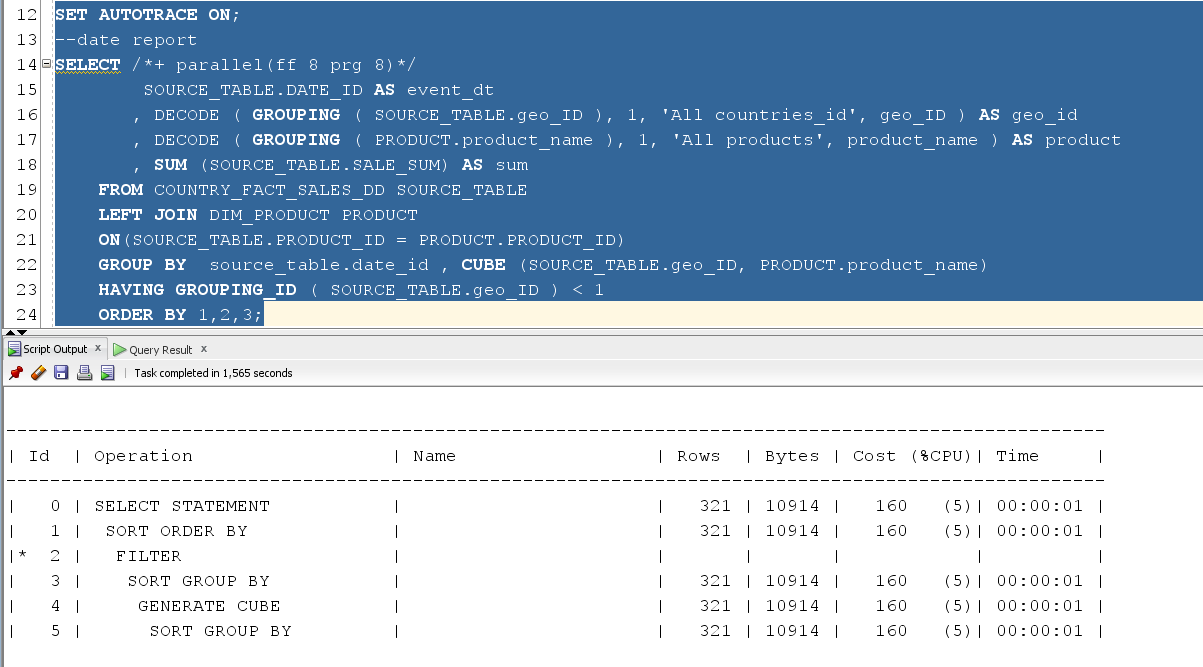
* ADVANCING GROUPING



* MODEL CLAUSE



* STAR SCHEMA



|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| № | Source Type | Explain Plan – Statistics (Cost) | | | Time |
| cost | bytes | cardinality |
| 1 | Advancing Grouping (Labwork 02) | 20949 | 8346 | 321 | 126msecs |
| 2 | Model Clause (Labwork 05) | 5874 | 15730 | 605 | 82msecs |
| 3 | Star Schema (Labwork 11) | 160 | 10914 | 321 | 78msecs |

As we can see using the star scheme gives the best performance.