**Report “Lab 4”**

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# Business analyses tasks – Reports

## Task 01: Create Packages for Reload Dimension from SA\_\*

I have created independent packages to reload dimension.

1. I have created tablespaces, user and granted all required privileges.

CREATE TABLESPACE "TS\_STAGE\_DATA\_01"

DATAFILE 'db\_qpt\_stage\_data\_01.dat'

SIZE 200M

AUTOEXTEND ON NEXT 100M

/

CREATE TABLESPACE "TS\_STAGE\_IDX\_01"

DATAFILE 'db\_qpt\_stage\_idx\_01.dat'

SIZE 50M

AUTOEXTEND ON NEXT 25M

/

CREATE TABLESPACE "TS\_STAGE\_TEMP\_01"

DATAFILE 'db\_qpt\_stage\_temp\_01.dat'

SIZE 50M

AUTOEXTEND ON NEXT 25M

/

CREATE USER "U\_DW\_STAGE"

identified by "%PWD%"

default tablespace ts\_stage\_data\_01

temporary tablespace ts\_stage\_temp\_01

QUOTA UNLIMITED ON ts\_stage\_data\_01

QUOTA UNLIMITED ON ts\_stage\_temp\_01

QUOTA UNLIMITED ON ts\_stage\_idx\_01

/

GRANT CONNECT,RESOURCE TO "U\_DW\_STAGE"

/

grant select on u\_dw\_ext\_references.CLS\_CNTR2GROUPING\_ISO3166 to u\_dw\_stage;

grant select on u\_dw\_ext\_references.CLS\_CNTR\_GROUPING\_ISO3166 to u\_dw\_stage;

grant select on u\_dw\_ext\_references.CLS\_GEO\_COUNTRIES2\_ISO3166 to u\_dw\_stage;

grant select on u\_dw\_ext\_references.CLS\_GEO\_COUNTRIES\_ISO3166 to u\_dw\_stage;

grant select on u\_dw\_ext\_references.T\_EXT\_CNTR2STRUCTURE\_ISO3166 to u\_dw\_stage;

grant select on u\_dw\_ext\_references.T\_EXT\_CNTR\_GROUPING\_ISO3166 to u\_dw\_stage;

grant select on u\_dw\_ext\_references.T\_EXT\_GEO\_COUNTRIES2\_ISO3166 to u\_dw\_stage;

grant select on u\_dw\_ext\_references.T\_EXT\_GEO\_STRUCTURE\_ISO3166 to u\_dw\_stage;

grant select on u\_dw\_ext\_references.CLS\_CNTR2STRUCTURE\_ISO3166 to u\_dw\_stage;

grant select on u\_dw\_ext\_references.CLS\_GEO\_STRUCTURE\_ISO3166 to u\_dw\_stage;

grant select on u\_dw\_ext\_references.T\_EXT\_CNTR2GROUPING\_ISO3166 to u\_dw\_stage;

grant select on u\_dw\_ext\_references.T\_EXT\_GEO\_COUNTRIES\_ISO3166 to u\_dw\_stage;

grant select on u\_dw\_ext\_references.CLS\_LANGUAGES\_ISO693 to u\_dw\_stage;

grant select on u\_dw\_ext\_references.CLS\_LNG\_MACRO2IND\_ISO693 to u\_dw\_stage;

grant select on u\_dw\_ext\_references.T\_EXT\_LANGUAGES\_ISO693 to u\_dw\_stage;

grant select on u\_dw\_ext\_references.T\_EXT\_LNG\_MACRO2IND\_ISO693 to u\_dw\_stage;

grant select on u\_dw\_ext\_references.T\_EXT\_DISHES to u\_dw\_stage;

grant select on u\_dw\_ext\_references.CLS\_DISHES to u\_dw\_stage;

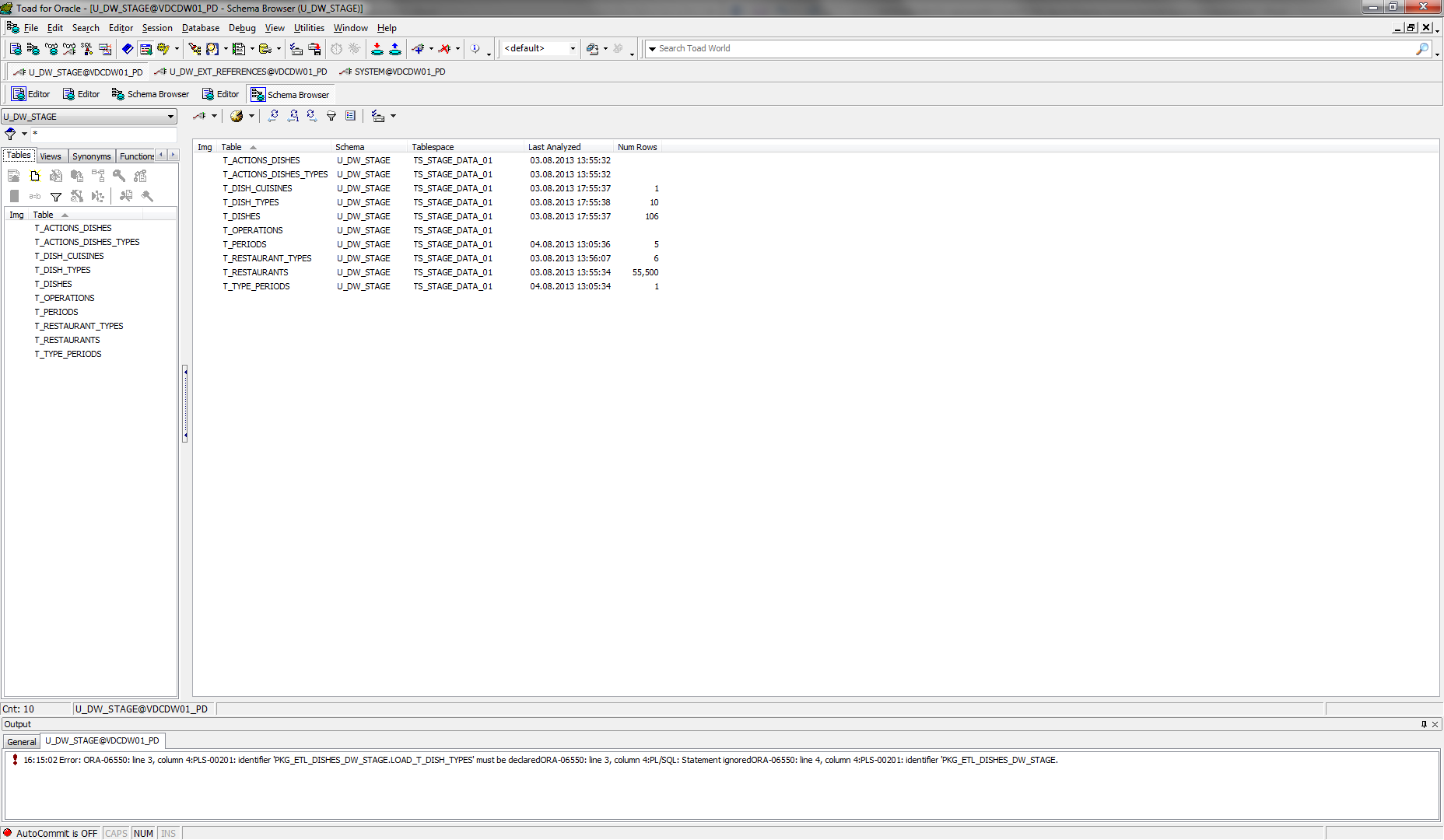
grant select on u\_dw\_ext\_references.TEMP\_CITY\_ADDR to u\_dw\_stage;

grant select on u\_dw\_ext\_references.CLS\_RESTAURANTS to u\_dw\_stage;

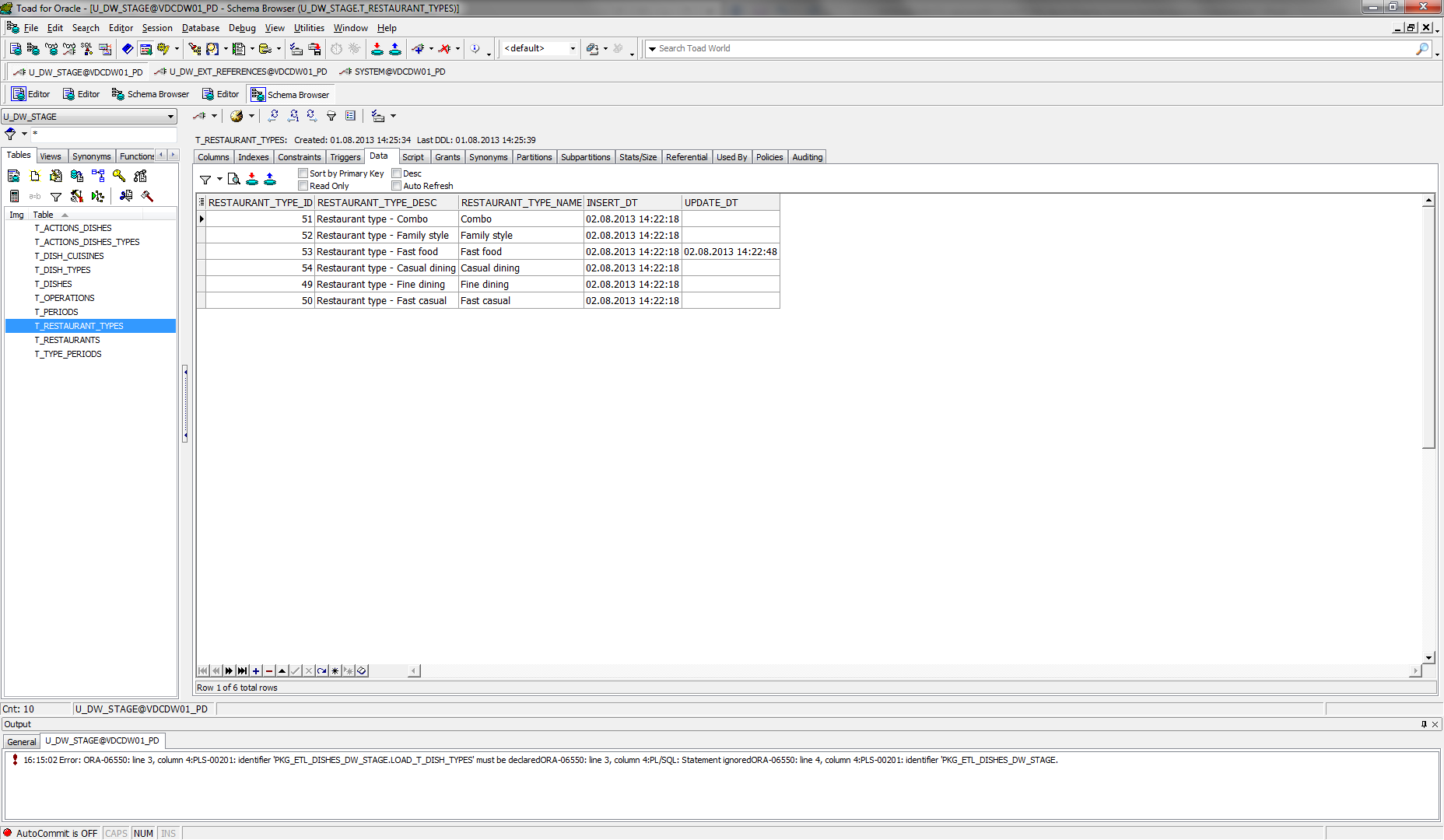
grant select on u\_dw\_ext\_references.CLS\_OPERATIONS to u\_dw\_stage;

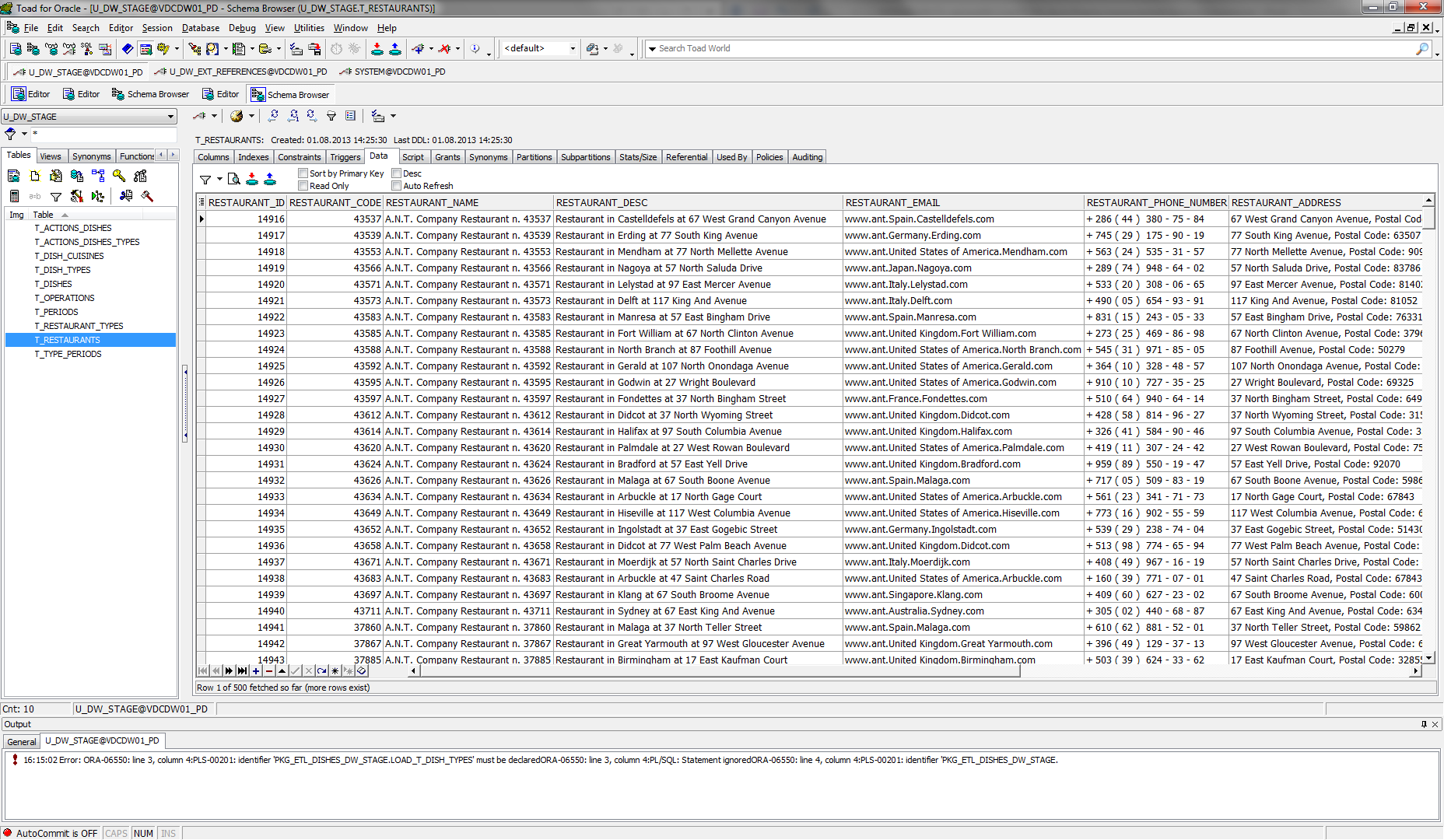
grant select on U\_DW\_EXT\_REFERENCES.CLS\_PERIODS to U\_DW\_STAGE;

1. I have created all required objects on Stage Layer and sequences:

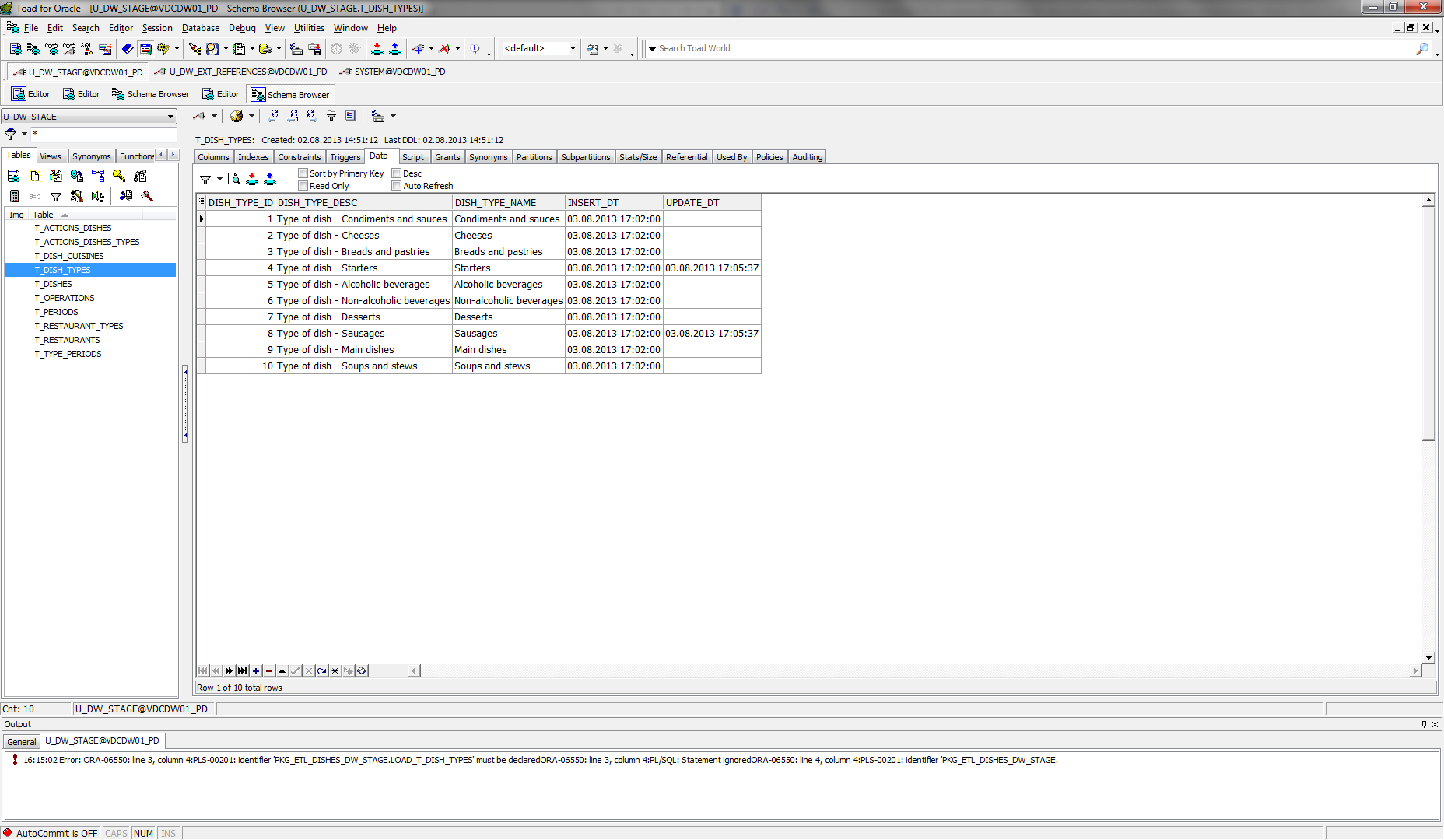


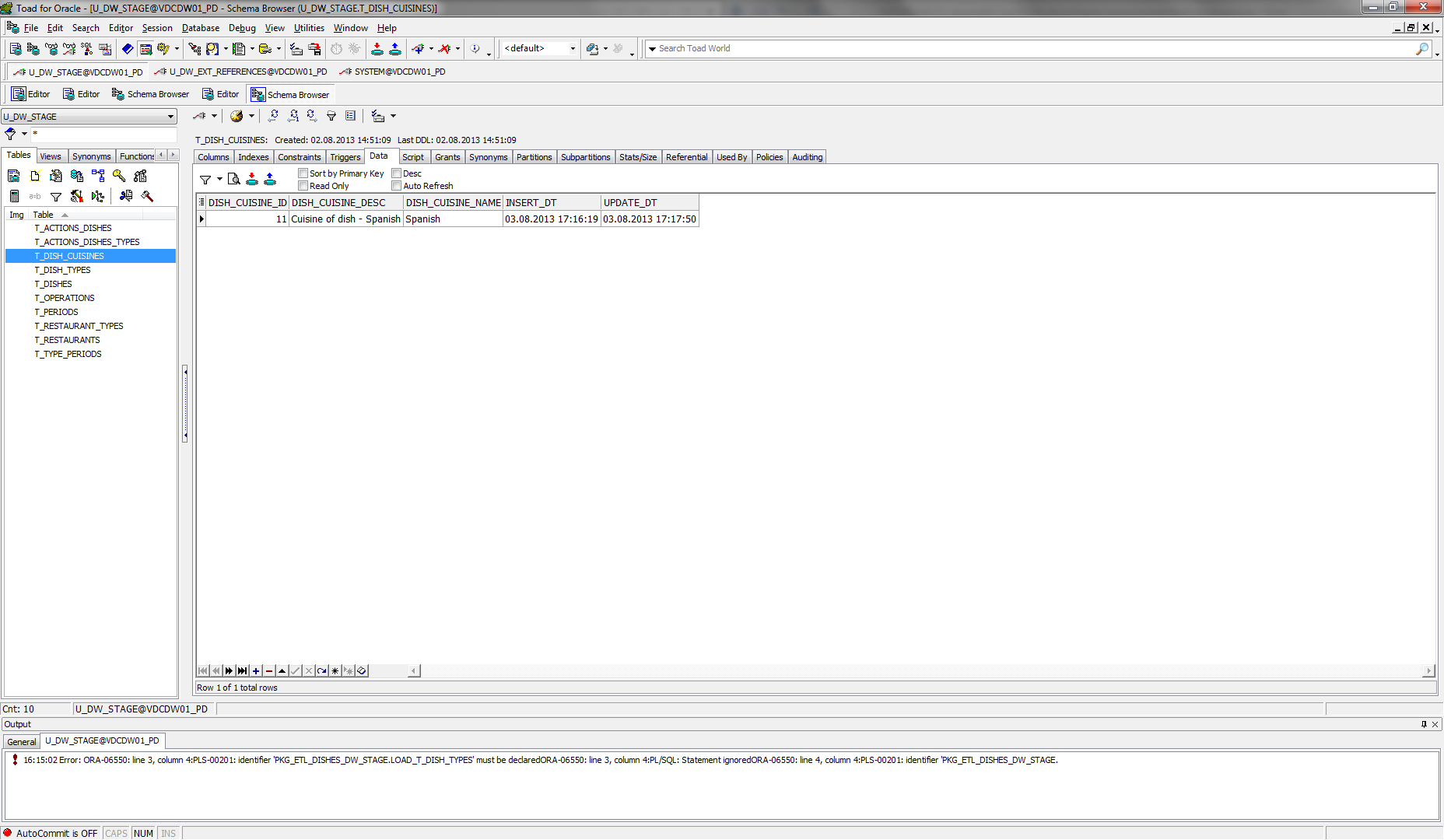
1. I have reload data to tables T\_RESTAURANT\_TYPES and T\_RESTAURANTS with using Explicit Cursor (package *pkg\_etl\_restaurants\_dw\_stage*):

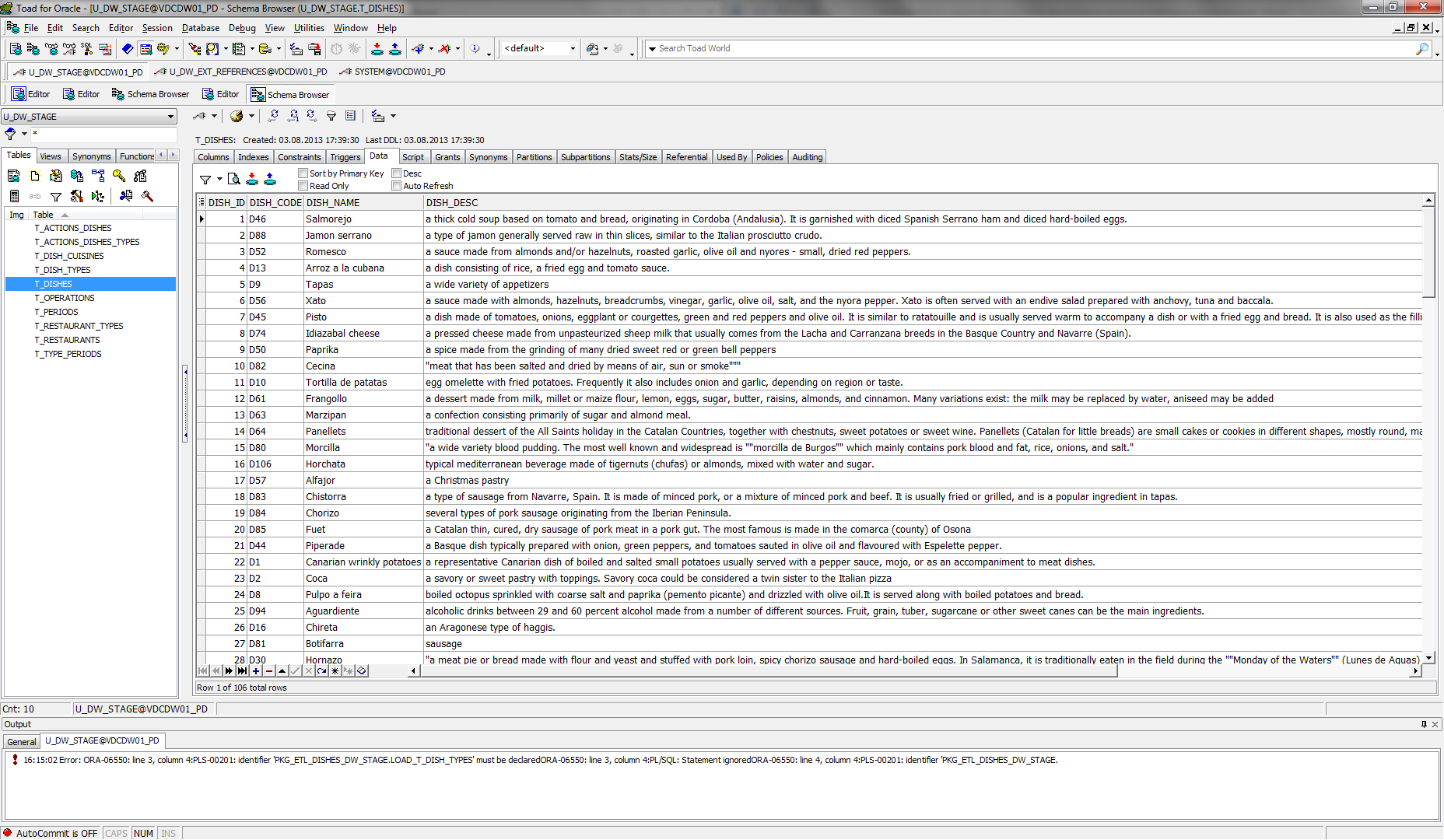




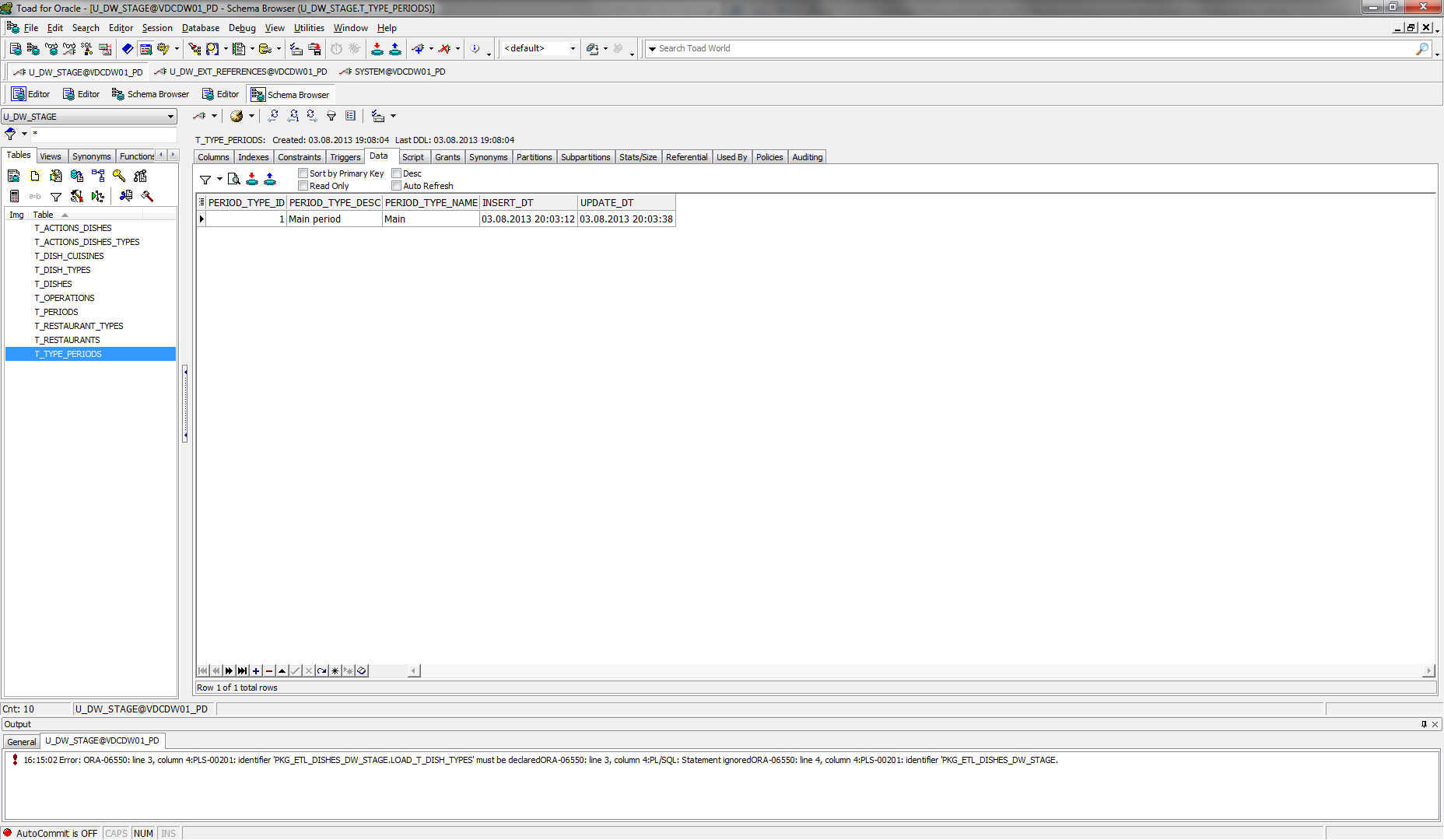
1. I have reload data to tables T\_DISH\_TYPES, T\_DISH\_CUISINES and T\_DISHES with using Explicit Cursor and FORALL Bulk Insertion (package *pkg\_etl\_dishes\_dw\_stage*):

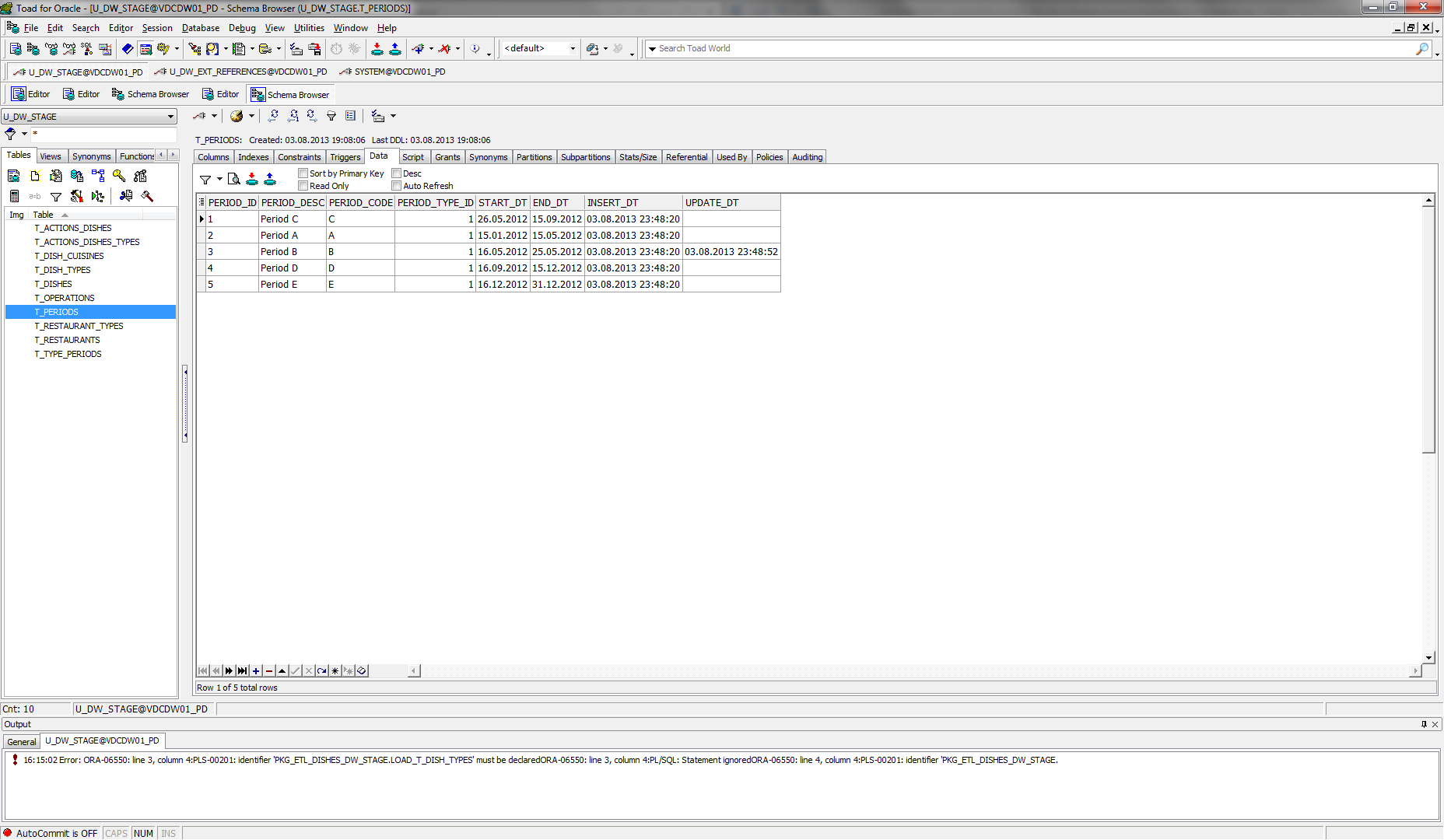




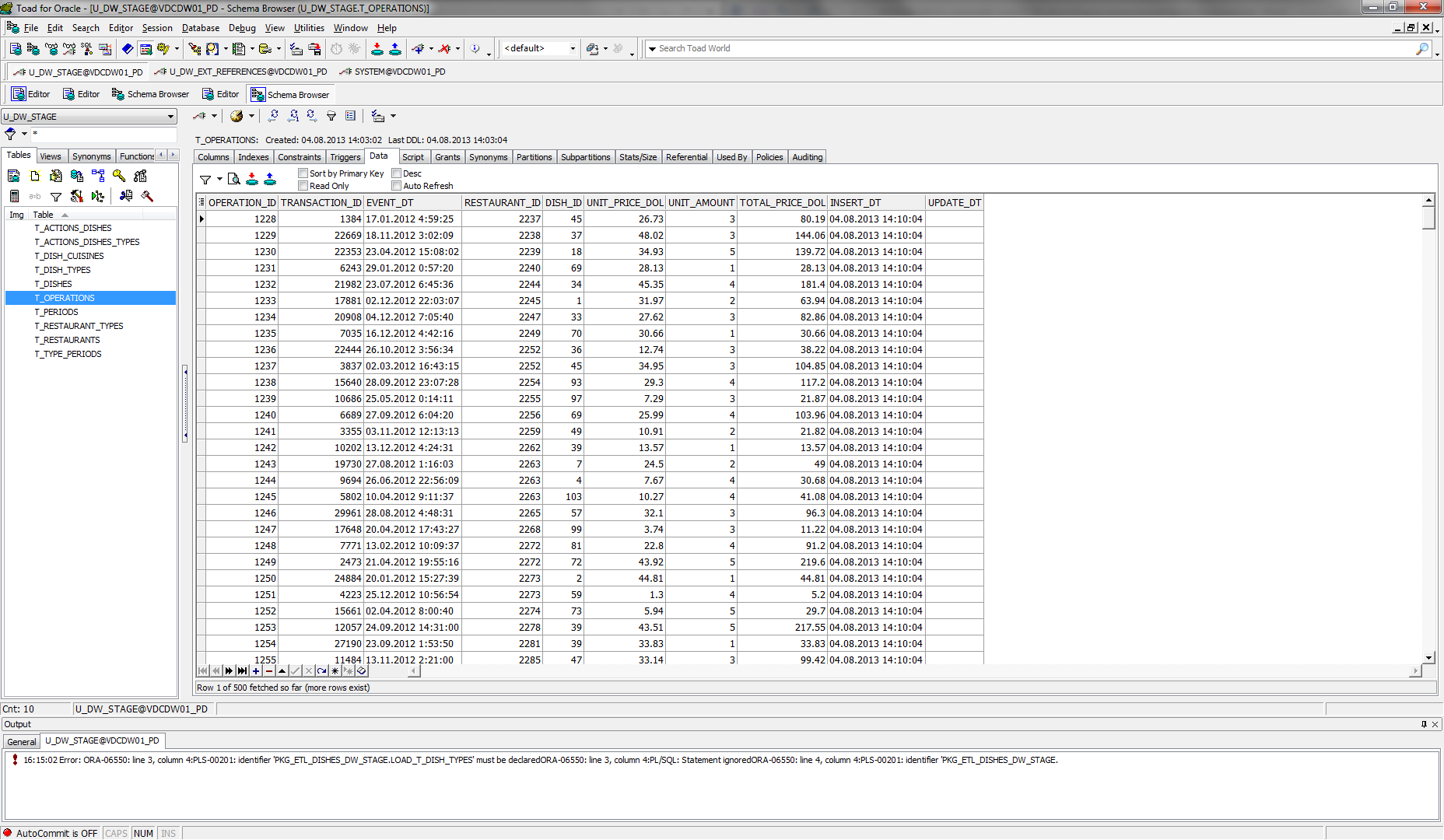


1. I have reload data to tables T\_TYPE\_PERIODS and T\_PERIODS with using Variable Cursor and FORALL Bulk Insertion (package *pkg\_etl\_periods\_dw\_stage*):





1. I have reload data to table T\_OPERATIONS with using Merge (package *pkg\_etl\_operations\_dw\_stage*):



1. I have tested data for consistent. Scripts are in folder *test\_data.*