Report

Laboratory Work 7

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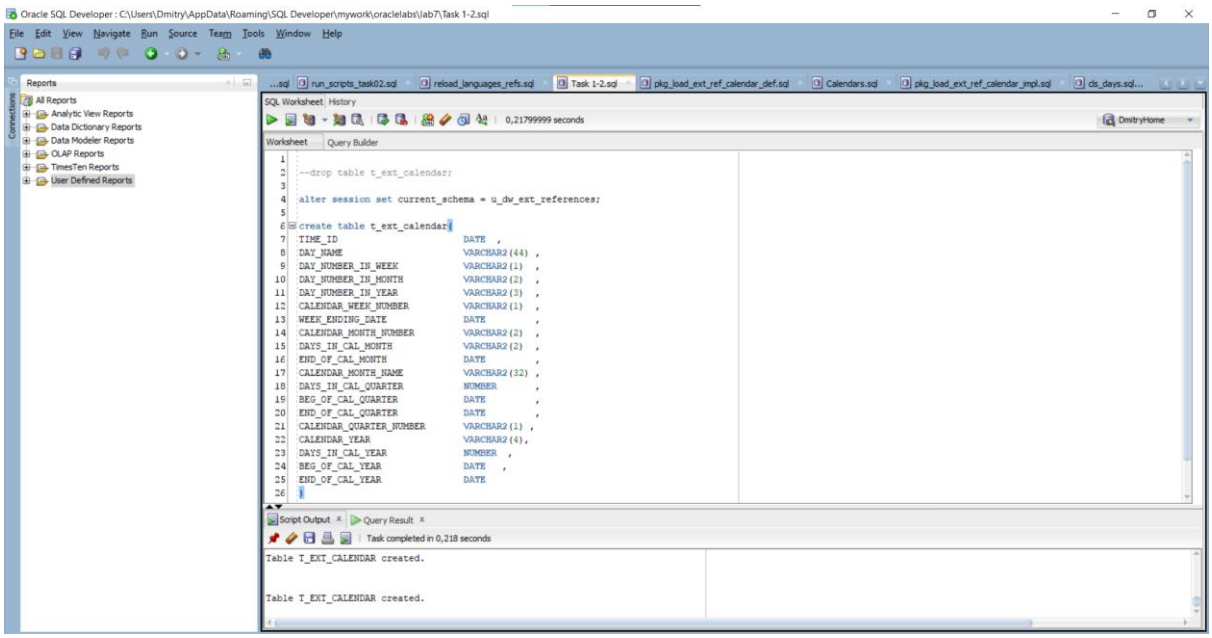
Prerequisites

1.1. Passwords Index

Password Group	Login Name	Password
Operation System	root	“rootadmin”
	oracle	“oracleadmin”
Oracle System	sys	“sysadmin”
	system	“sysadmin”
Oracle Users	All DB users	“%PWD%”

1.2. Folder Paths Index

Path Group	Path Description	Path
Operation System	Oracle RDBMS – BIN	/oracle/app/oracle
	Oracle Inventory	/oracle/app/oraInventory
	Oracle Database Storage	/oracle/oradata
	Oracle Install Directory	/oracle/install
Oracle	ORACLE_BASE	/oracle/app/oracle
	ORACLE_HOME	$ORACLE_BASE/product/11.2
FTP	ftp Incoming Folder	`/ftp/incoming`



2. Create and populate Dimension of TIME DW – Layer

Notes:

To Populate Time dims use External Resources:

File Name	Path
Calendars.sql	… \Topic 07 - Dimension and Facts Basics\LabScripts\

2.1. Task 01: CREATE DW.T_DAYS

The Main Task is to create Physical diagram and Objects on DW layer:

Task Results:

Create document, which contained next chapters:

- Physical diagram store on GIT
- Links to Scripts on GIT

2.2. Task 02: CREATE DW.T_WEEKS

The Main Task is to create Physical diagram and Objects on DW layer:

Task Results:

Create document, which contained next chapters:

- Physical diagram store on GIT
- Links to Scripts on GIT

2.3. Task 03: CREATE DW.T_MONTHS

The Main Task is to create Physical diagram and Objects on DW layer:

Task Results:

Create document, which contained next chapters:

- Physical diagram store on GIT
- Links to Scripts on GIT

2.4. Task 04: CREATE DW.T_QUARTERS

The Main Task is to create Physical diagram and Objects on DW layer:

Task Results:

Create document, which contained next chapters:

- Physical diagram store on GIT
- Links to Scripts on GIT

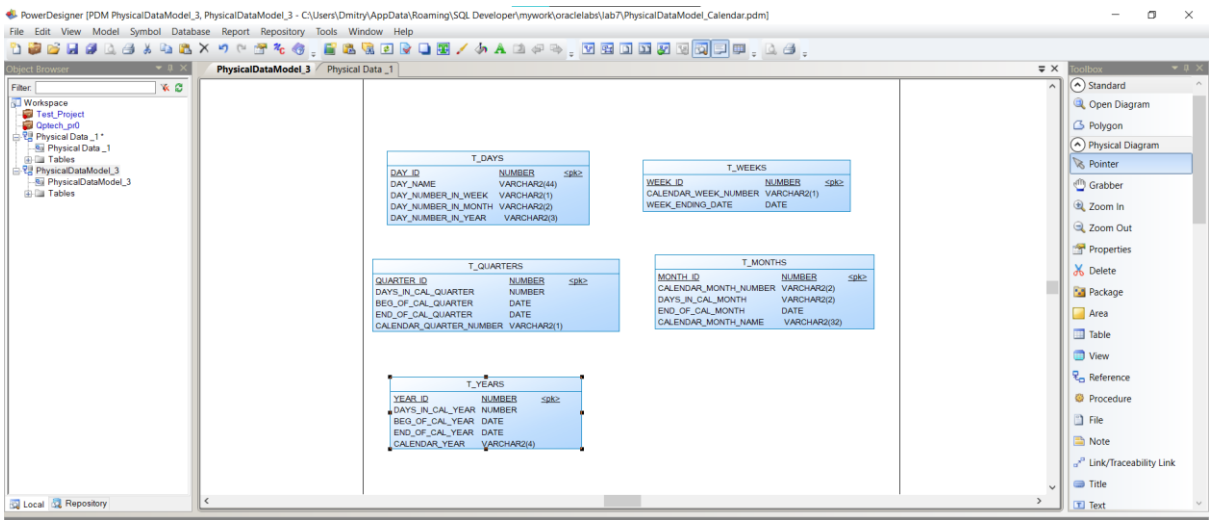
2.5. Task 05: CREATE DW.T_YEARS

The Main Task is to create Physical diagram and Objects on DW layer:

Task Results:

Create document, which contained next chapters:

- Physical diagram store on GIT
- Links to Scripts on GIT



Laboratory work summary:

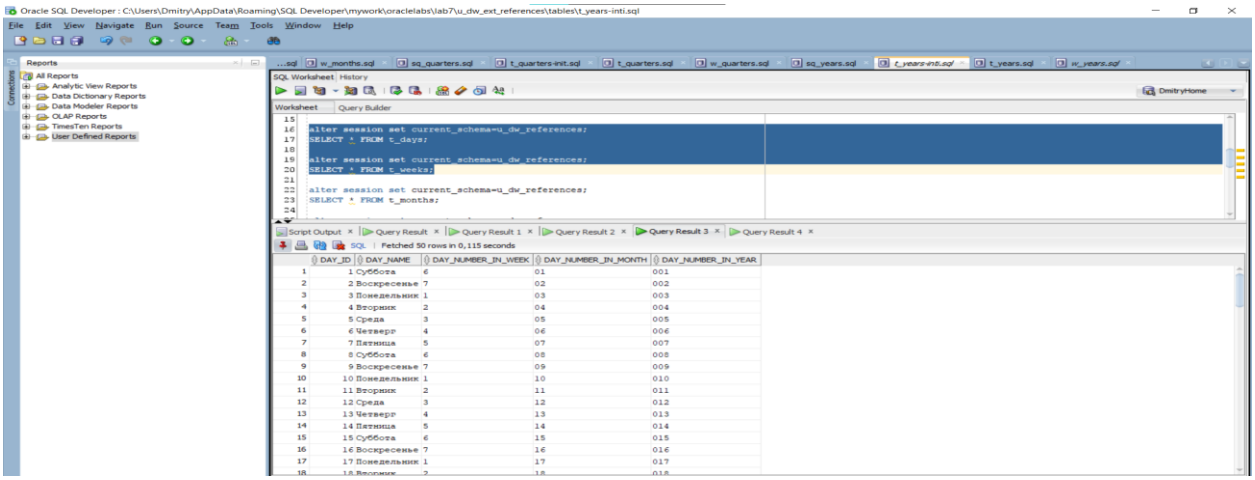
At this laboratory work, we touched principals of (re)building schemas, used our knowledge in practice and saw how DFD and physical diagrams can help in understanding of schema building.

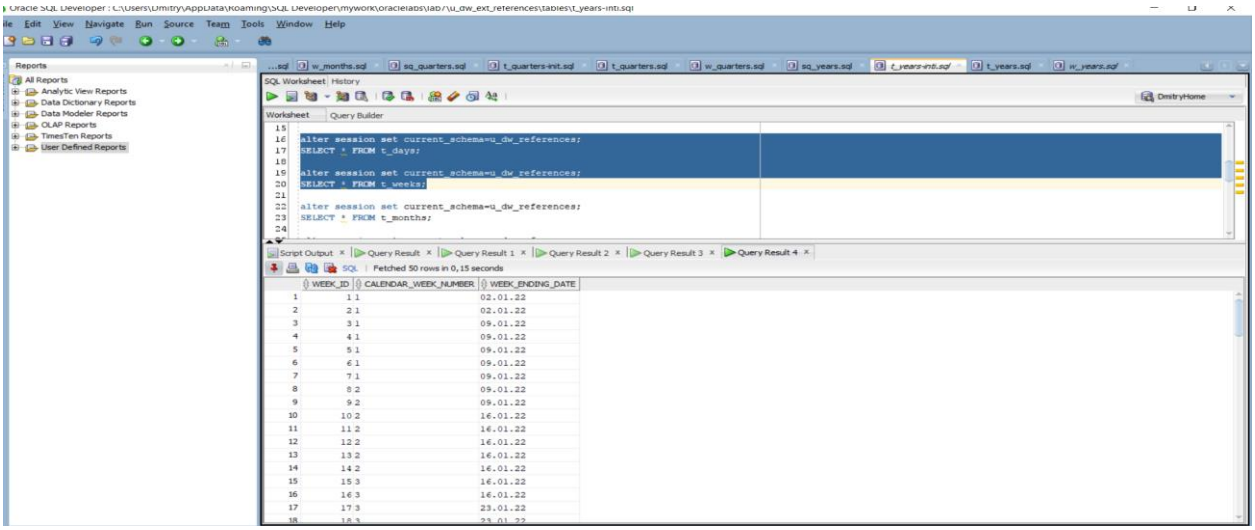
We created Calendar at first; then we created impl and def packages to insert cleansing tables.

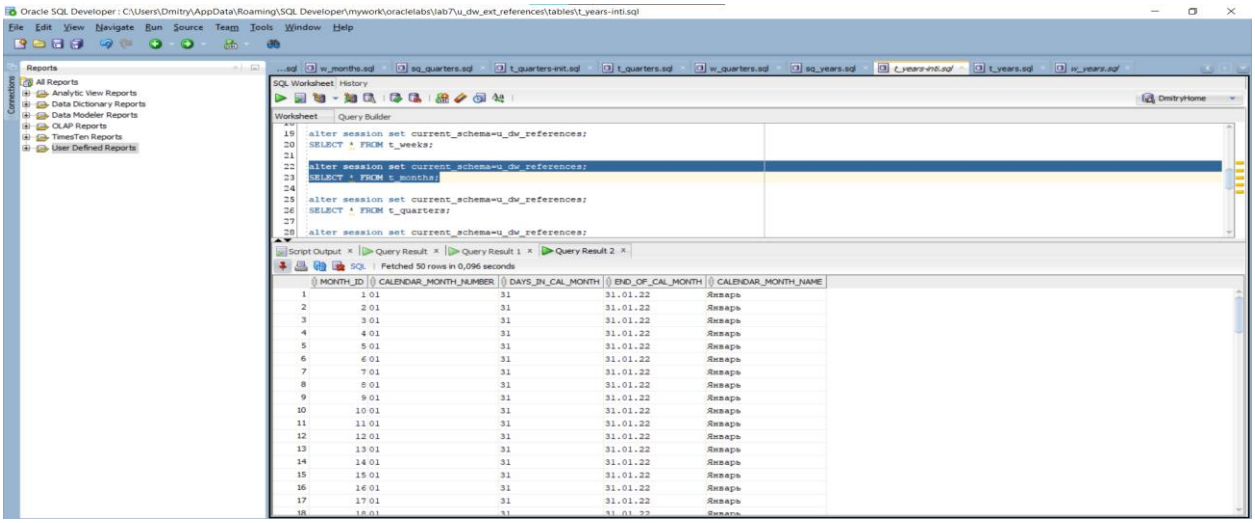
After cleansing, we created tables for each dimension: day, week, month, quarter, and year. We added primary column for them and created sequences,

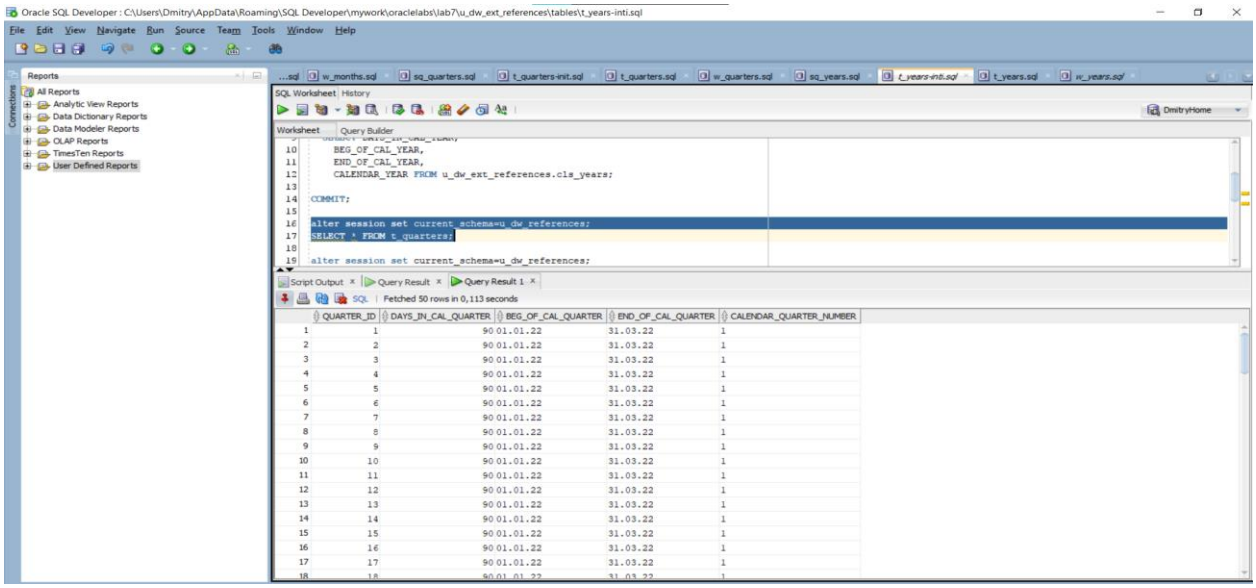
views. We created init script files to insert with data each from their cleansed “brothers”. At screenshots below, you can see the structure of tables and data they store.

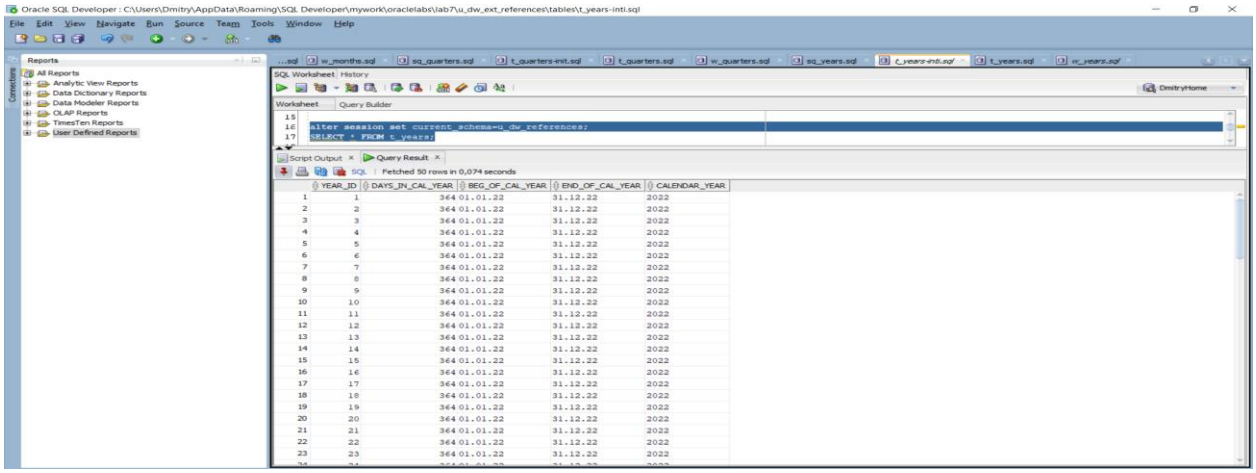
All diagrams and scripts are stored in GitHub (link in README file in Labs folder)








Oracle SQL Developer : C:\Users\Dmitry\AppData\Roaming\SQL Developer\mywork\oraclelabs\lab7\u_dw_ext_references\tables\t_years-inti.sql
File Edit View Navigate Run Source Team Tools Window Help
Reports
All Reports
Analytic View Reports
Data Dictionary Reports
Data Modeler Reports
OLAP Reports
TimesTen Reports
User Defined Reports
SQL Worksheet History
Worksheet Query Builder
BEG_OF_CAL_YEAR,
END_OF_CAL_YEAR,
CALENDAR_YEAR FROM u_dw_ext_references.cls_years;
COMMIT;
alter session set current_schema=u_dw_references;
SELECT * FROM t_quarters;
alter session set current_schema=u_dw_references;
Script Output
Query Result
Query Result 1
Fetched 50 rows in 0,113 seconds
QUARTER_ID
DAYS_IN_CAL_QUARTER
BEG_OF_CAL_QUARTER
END_OF_CAL_QUARTER
CALENDAR_QUARTER_NUMBER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File Edit View Navigate Run Source Team Tools Window Help
Reports
All Reports
Analytic View Reports
Data Dictionary Reports
Data Modeler Reports
OLAP Reports
TimesTen Reports
User Defined Reports
SQL Worksheet History
Worksheet Query Builder
alter session set current_schema=u_dw_references;
SELECT * FROM t_years;
Script Output
Query Result
Fetched 50 rows in 0,074 seconds
YEAR_ID
DAYS_IN_CAL_YEAR
BEG_OF_CAL_YEAR
END_OF_CAL_YEAR
CALENDAR_YEAR