

# Report

Laboratory Work 8

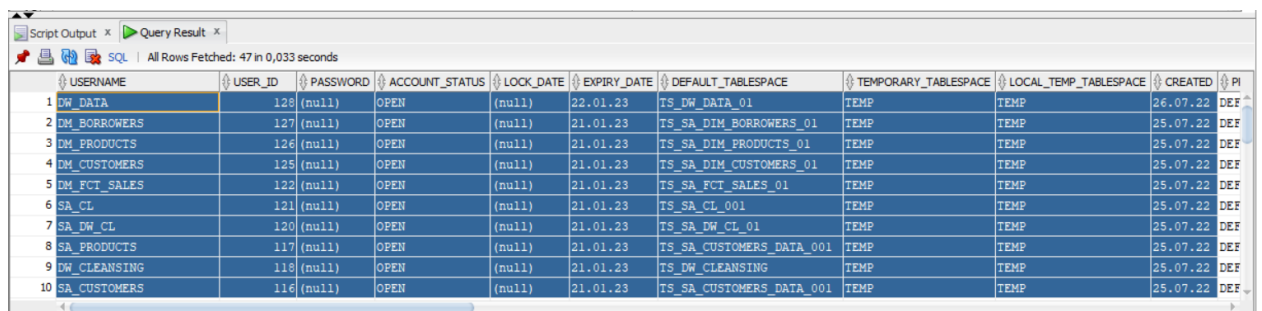
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## 2. Data Warehouse Architecture

### 2.1. Task 01: CREATE Schema of simple Data Warehouse Architecture

Level Type	Object Name	Tablespace	Description
Storage level SA_*	SA_CUSTOMERS	ts_SA_CUSTOMERS_DATA_01	Loads data from flat files, stores data about customers.
	SA_PRODUCTS	ts_SA_PRODUCTS_DATA_01	Loads data from flat files, stores data about products.
DW Cleansing Level	DW_CL	ts_DW_CLEANSING	Loading from stage level
DW Level	DW_DATA	ts_DW_DATA_01	Loading data from cleansing level and preparing it for to the 3 normal form
DW Prepare Star Cleansing Level	SAL_DW_CL	ts_SA_DW_CL_01	Loading data from DW system. Contains views and objects from DW - Level
STAR Cleansing	SAL_CL	ts_SA_CL_001	Loading data from DW_CL, but clean some redundancy if are some
STAR Level	DM_FCT_SALES	ts_SA_FCT_SALES_01	INFO
	DM_BORROWERS	ts_SA_BORROWERS_01	
	DM_CUSTOMERS	ts_SA_DIM_CUSTOMERS_01	
	DM_PRODUCTS	ts_SA_DIM_PRODUCTS_01	
	DM_GEO	ts_SA_DIM_GEO_01	



	USERNAME	USER_ID	PASSWORD	ACCOUNT_STATUS	LOCK_DATE	EXPIRY_DATE	DEFAULT_TABLESPACE	TEMPORARY_TABLESPACE	LOCAL_TEMP_TABLESPACE	CREATED	PI
1	DW_DATA	125	(null)	OPEN	(null)	22.01.23	TS_DW_DATA_01	TEMP	TEMP	26.07.22	DEF
2	DM_BORROWERS	127	(null)	OPEN	(null)	21.01.23	TS_SA_DIM_BORROWERS_01	TEMP	TEMP	25.07.22	DEF
3	DM_PRODUCTS	126	(null)	OPEN	(null)	21.01.23	TS_SA_DIM_PRODUCTS_01	TEMP	TEMP	25.07.22	DEF
4	DM_CUSTOMERS	125	(null)	OPEN	(null)	21.01.23	TS_SA_DIM_CUSTOMERS_01	TEMP	TEMP	25.07.22	DEF
5	DM_FCT_SALES	122	(null)	OPEN	(null)	21.01.23	TS_SA_FCT_SALES_01	TEMP	TEMP	25.07.22	DEF
6	SA_CL	121	(null)	OPEN	(null)	21.01.23	TS_SA_CL_001	TEMP	TEMP	25.07.22	DEF
7	SA_DW_CL	120	(null)	OPEN	(null)	21.01.23	TS_SA_DW_CL_01	TEMP	TEMP	25.07.22	DEF
8	SA_PRODUCTS	117	(null)	OPEN	(null)	21.01.23	TS_SA_CUSTOMERS_DATA_001	TEMP	TEMP	25.07.22	DEF
9	DW_CLEANSING	118	(null)	OPEN	(null)	21.01.23	TS_DW_CLEANSING	TEMP	TEMP	25.07.22	DEF
10	SA_CUSTOMERS	116	(null)	OPEN	(null)	21.01.23	TS_SA_CUSTOMERS_DATA_001	TEMP	TEMP	25.07.22	DEF

Picture 1 - All created users

	CREATION_TIME	NAME
12	25.07.22	/oracle/u02/oradata/DLadutkodb/ts_sa_customers_data_001.dat
13	25.07.22	/oracle/u02/oradata/DLadutkodb/ts_sa_products_data_001.dat
14	25.07.22	/oracle/u02/oradata/DLadutkodb/ts_dw_cleansing.dat
15	25.07.22	/oracle/u02/oradata/DLadutkodb/ts_sal_dw_cl_01.dat
16	25.07.22	/oracle/u02/oradata/DLadutkodb/ts_sa_cl_001.dat
17	25.07.22	/oracle/u02/oradata/DLadutkodb/ts_sa_fct_sales_01.dat
18	25.07.22	/oracle/u02/oradata/DLadutkodb/ts_sa_dim_customers_01.dat
19	25.07.22	/oracle/u02/oradata/DLadutkodb/ts_sa_dim_products.dat
20	25.07.22	/oracle/u02/oradata/DLadutkodb/ts_sa_dim_borrowers.dat
21	25.07.22	/oracle/u02/oradata/DLadutkodb/ts_dw_data_01.dat

Picture 2 - All created tablespaces

!!!All tasks haven't been done at this lab will be at business solution task.

All scripts are stored on GitHub!!! (link in README file in Labs folder)

### 3.3. Task 09: Grants Object Privileges

User	Privileges
SA_PRODUCTS	grant connect, resource to SA_PRODUCTS
SA_CUSTOMERS	grant connect, resource to SA_CUSTOMERS
DW_CLEANSING	grant connect, resource, create view to DW_CLEANSING
DW_DATA	grant connect, resource to DW_DATA
SA_DW_CL	grant connect, resource, create view to SA_DW_CL

SA_CL	grant connect, resource, create view to SA_CL
DM_FCT_SALES	grant connect, resource, create view to DM_FCT_SALES
DM_CUSTOMERS	grant connect, resource, create view to DM_CUSTOMERS
DM_PRODUCTS	grant connect, resource, create view to DM_PRODUCTS
DM_BORROWERS	grant connect, resource, create view to DM_BORROWERS