Report

Laboratory Work 8

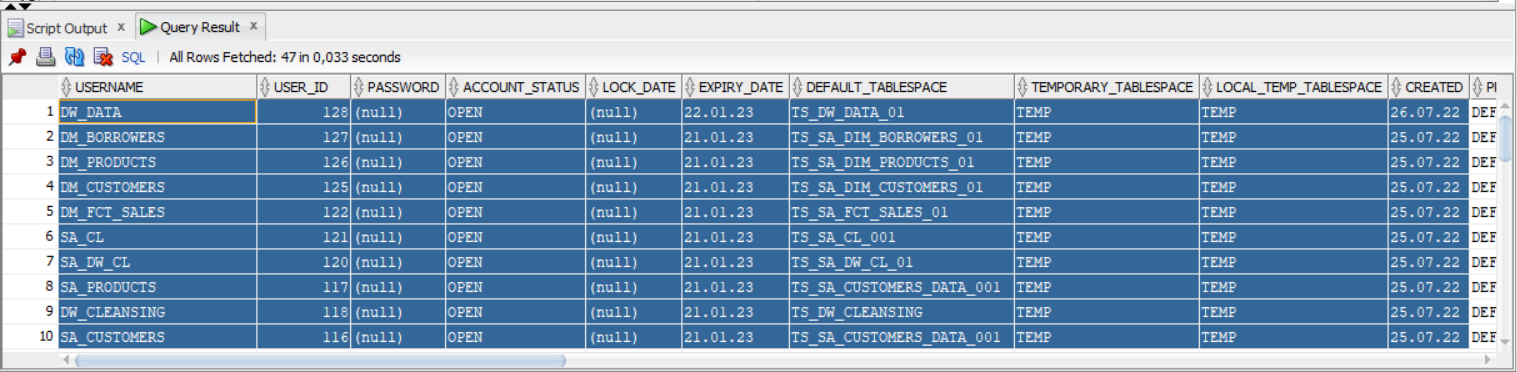
Dmitry Ladutsko

July 25, 2022

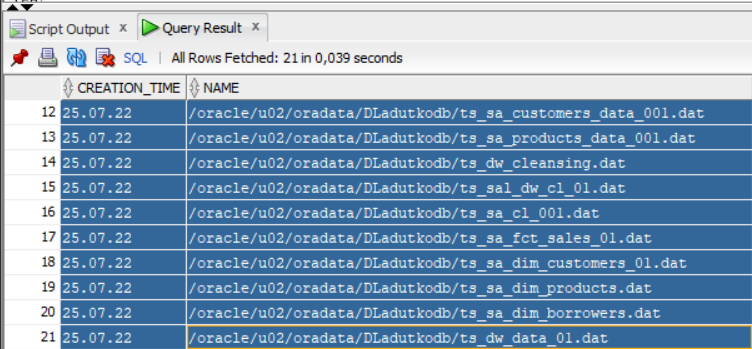
# 2. Data Warehouse Architecture

## 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. Containts 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 |



Picture - All created users



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 |