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U2M5.LW.Advanced SQL, PL/SQL

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# 1. Prerequisites Task Information

## 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. Business analyses tasks – Dimensions

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

**The Main Task** is to independent packages to reload dimension according your DWH solution concept which was developed on Module 6. Introduction to DWH.

**Required points:**

* + Refactoring Packages Procedures to reload Dim data (one package = one dimension.)   
    Example future SAL.DIM\_GEO\_SCD will store all procedure on pkg\_etl\_dim\_geo\_dw. But this package will store all small sub dims – T\_COUNTRIES, T\_REGIONS etc. )
  + Use Execute Immediate with Bind Parameters
  + Use DBMS\_SQL.TO\_REFCURSOR Function
  + Use DBMS\_SQL.TO\_CURSOR\_NUMBER Function

**Task Results:**

Create required objects:

* Put objects script to Git.
* Prepare Document with Screenshot of Tests Data on Dimensions
* Test data for consistent
* Test Procedure for Repeatable execution (Nothing should change)

# 3. Business analyses tasks – Reports

## 3.1. Task 02: CREATE Monthly Reports Layouts

**The Main Task** is to create Reports Layouts according your Business Solution Proposal, which was developed on Exit Task Module 6.Introduction to DWH.

**Required points:**

* Refactoring Adhoc SQL, which was developed on Module 7 ETL - Extract, transform and load labwork 02;
* Use Module Clause

**Task Results:**

Create report layouts:

* Refactoring report layouts
* Put report layouts on Git – Folder BI Tasks – Product Name (author) - Repots