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U2M6.LW.Analytic Functions

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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. Analytic Functions - Basic

## 2.1. Task 01: Create Ad Hoc SQL FIRST\_VALUE, LAST\_VALUE

**The Main Task** is to create ad hoc SQL, which will analyze measurement using Analytic Functions

**Required points:**

Use Analytic Function:

* FIRST\_VALUE, LAST\_VALUE

**Task Results:**

Create required objects:

* Put objects script to Git.
* Prepare Document with Screenshot of Tests Data

## 2.2. Task 02: Create Ad Hoc SQL RANK, DENSE\_RANK, ROWNUM

**The Main Task** is to create ad hoc SQL, which will split rows of data by Groups using Analytic Functions

**Required points:**

Use Analytic Function:

* RANK, DENSE\_RANK, ROWNUM

**Task Results:**

Create required objects:

* Put objects script to Git.
* Prepare Document with Screenshot of Tests Data

## 2.3. Task 03: Create Ad Hoc SQL AGGREAGATE FUNCS

**The Main Task** is to create ad hoc SQL, which will analyze measurement using Analytic Functions

**Required points:**

Use Analytic Function:

* AGGREAGATE FUNCS (MAX, MIN, AVG)

**Task Results:**

Create required objects:

* Put objects script to Git.
* Prepare Document with Screenshot of Tests Data