Week1 Activity: Install the Database Client and Server Software

This is a document created for installation of following items, specifically for **MAC** :
- Oracle SQL database
- Oracle Developer

For Oracle SQL database -

Run the below 4 commands after successful completion of individual commands -

1st Command - brew install colima
Colima stands for containers for linux and mac. This is used for running docker containers on mac.

2nd Command - brew install docker
To install docker

3rd Command - colima start --memory 4 --arch x86_64
To start the container

4th Command - docker run -d -p 1521:1521 -e ORACLE_PASSWORD=<password> -v oracle-volume:/opt/oracle/oradata gvenzl/oracle-xe
To create an oracle DB image. The password in the angled brackets is the one we will be using to make the connection of Oracle Developer and Oracle SQL DB. I set it to test@123.

Note – In my case brew was not installed so I had to install that using the following link, https://osxdaily.com/2023/04/19/fix-brew-command-not-found-on-mac-with-zsh/#google_vignette
Once brew is installed, execute the 4 commands above.
Oracle SQL DB installation successfully completed.

For Oracle Developer -
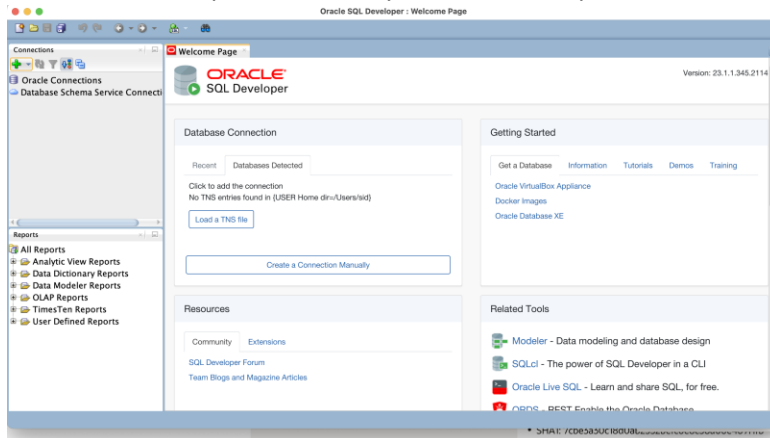We have to download the SQL Developer from the below mentioned link -
https://www.oracle.com/database/sqldeveloper/technologies/download/#license-lightbox

Download the OSX version with JDK 11 included.

Unzip in the target folder you want to install it. Double click and install SQL Developer.
Once SQL Developer successfully installed and opened, do a test connection

On the top left corner click on + sign and click on New Database Connection
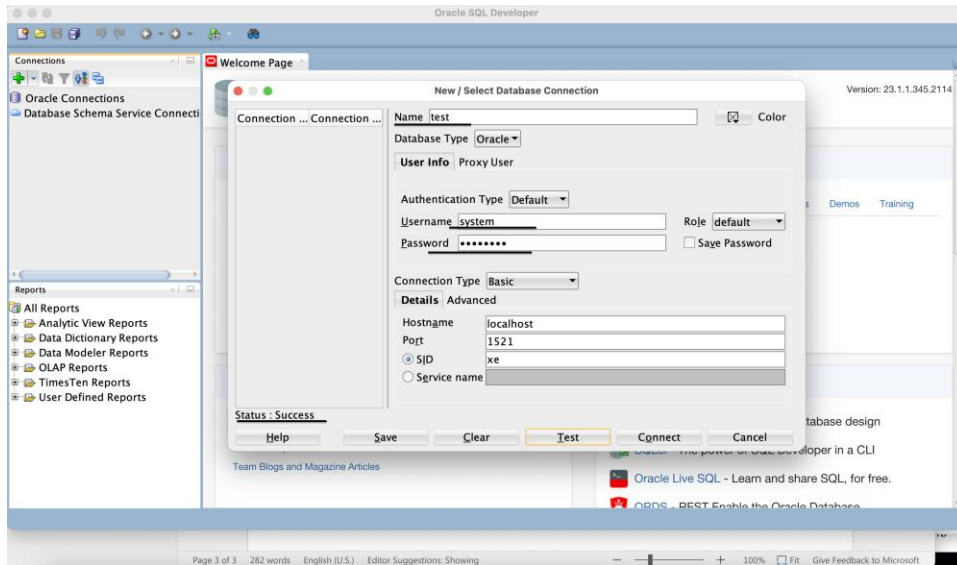
A dialog box will appear -
Give the DB name as needed, or else simply test.
Username: system
password: test@123 (which was set above during oracle sql DB installation)
click on "Test" and it should give as success.

Installation completed.

References :
https://osxdaily.com/2023/04/19/fix-brew-command-not-found-on-mac-with-zsh/
https://www.oracle.com/database/sqldeveloper/technologies/download/#license-lightbox
https://oralytics.com/tag/docker/

- Siddharth Bahekar