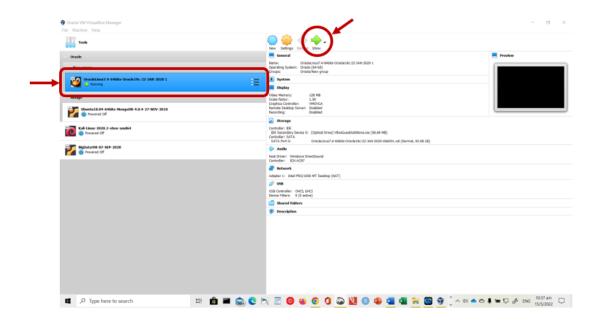
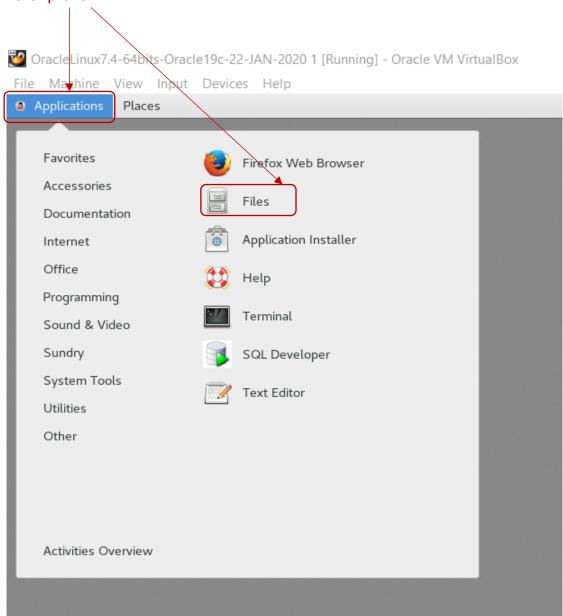
Creating TPCHR sample database

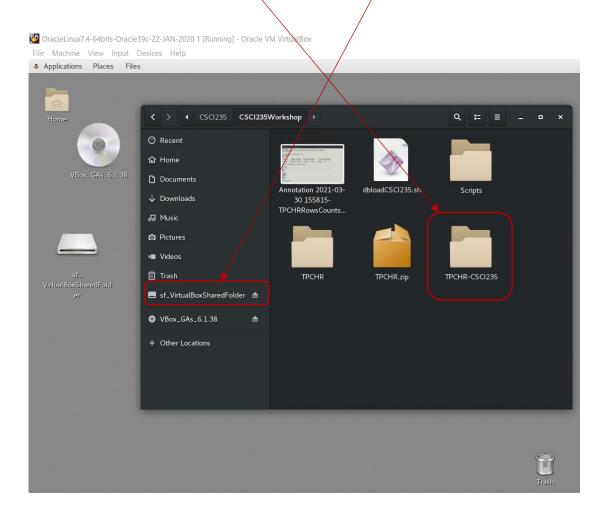
- 1. Unzip the **TPCHR-CSCI235.zip** file that you have downloaded from the **cloud**stor and save the unzipped file to a shared-folder (if you have created one), otherwise, save the unzipped file to a directory that is convenience to you.
- 2. If you have not installed the **VirtualBox** and the **Oracle19c virtual machine**, please do so. The instructions to install the VirtualBox and setup the Oracle19c virtual machine are specified in the document **VirtualBoxAndOracleVM-24Sept2022.pdf**.
- 3. Start the Oracle19c virtual machine on the VirtualBox.



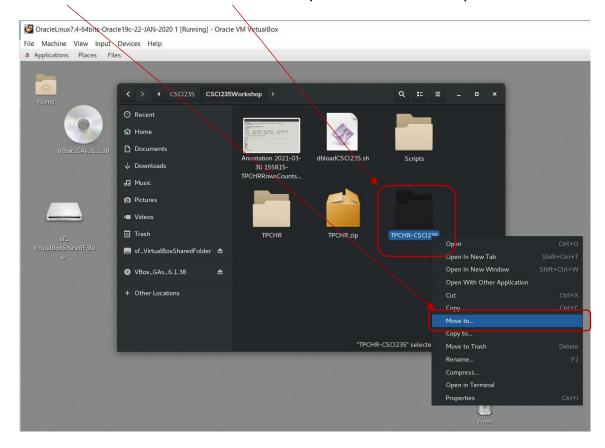
4. Once you have successfully logged in to the Virtual Machine, open the File explorer.



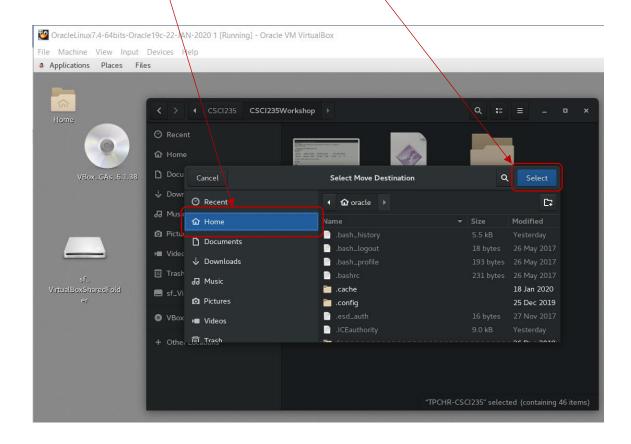
... and navigate to the directory in your shared-folder where you have the unzipped file (TPCHR-CSCI235) saved.



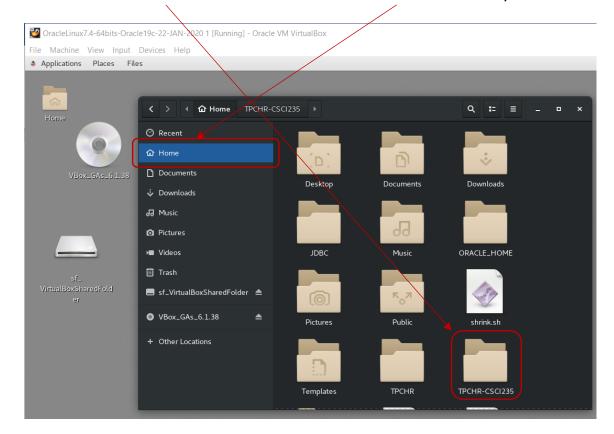
Move the folder TPCHR-CSCI235 to your home directory.



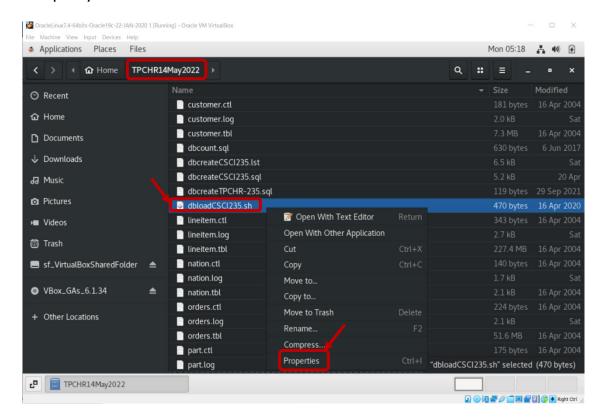
Select the Home folder and click on the Select button to move the file.



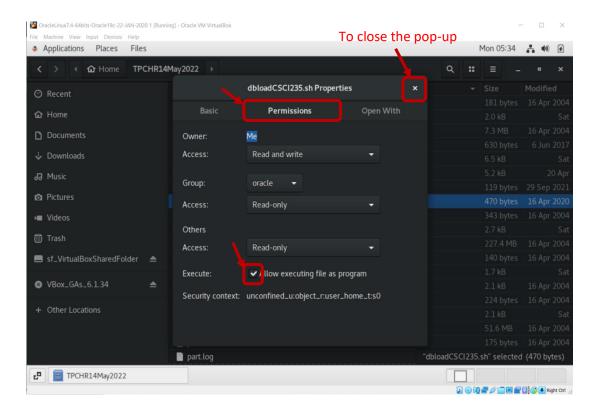
5. The folder TPCHR-CSCI235 should be in the Home directory now.



6. Before we proceed to set up the environment, we need to change the status of the shell script "dbloadhCSCI235.sh" to executable. To do that, navigate to the folder "TPCHR-CSCI235" and "Right-click" on the shell script 'dbloadCSCI235.sh', and in the pop-up window, click on the 'Property'

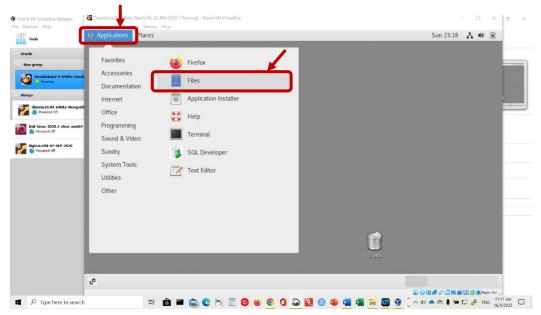


At the next pop-up window, click on the 'Permissions' tab, and check the 'check-box' next to the Execute option.



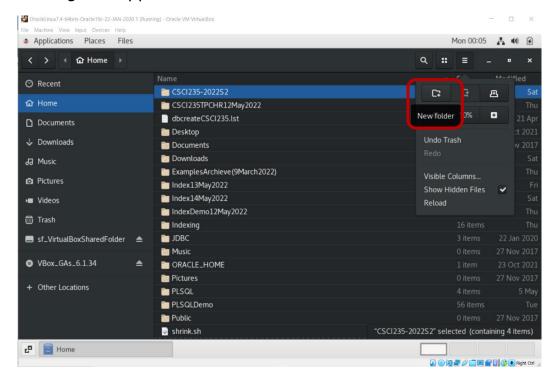
After changing the property of the shell script 'dbloadCSCI235.sh' you can close the pop-up window.

- 7. We leave the scripts as they are now. Next, we set up the environment for the setting up of a sample database.
 - i. Open the file explorer.

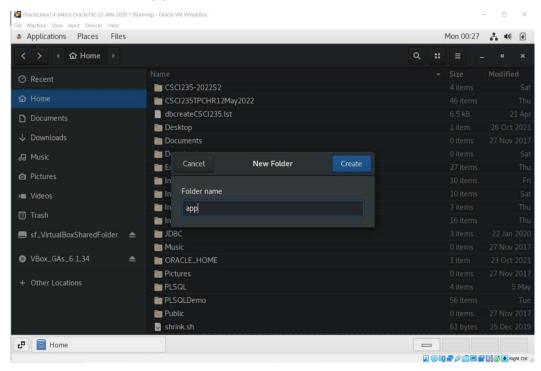


ii. Navigate to the 'HOME' folder (directory) and create the required folders.

Creating the 'app' folder:

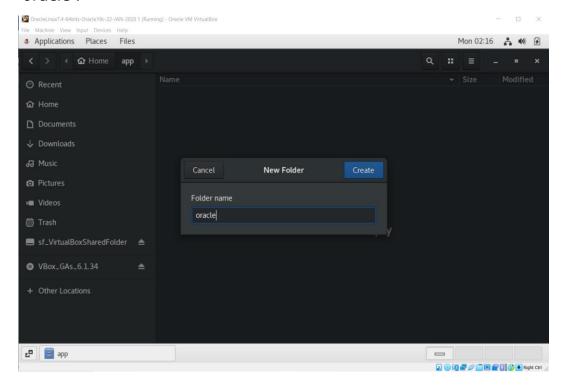


Name the folder 'app':

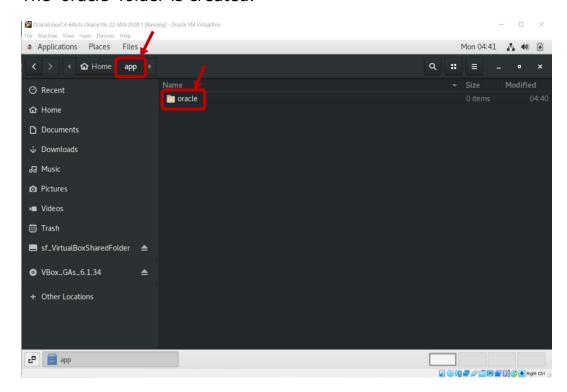


Navigate into the 'app' folder:

Inside the 'app' folder, create another new folder, and named it as 'oracle'.

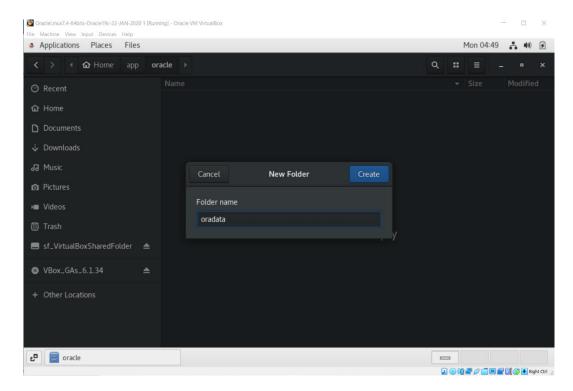


The 'oracle' folder is created.

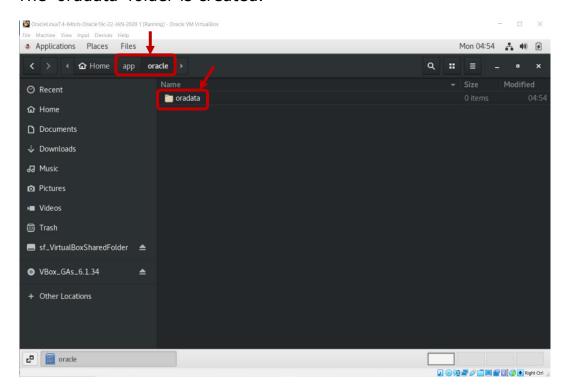


Navigate into the 'oracle' folder:

Inside the 'oracle' folder, create another new folder, and named it as 'oradata'.

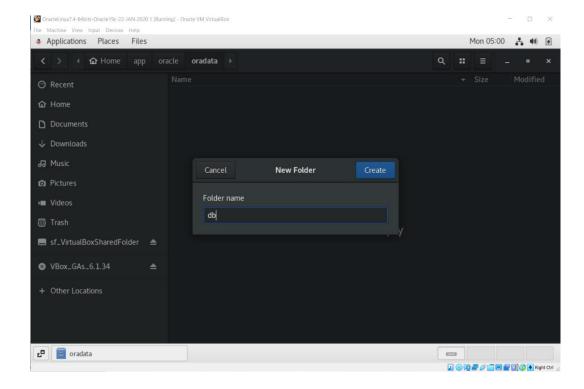


The 'oradata' folder is created.

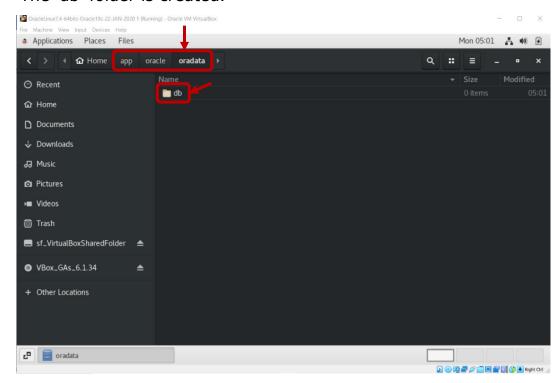


Navigate into the 'oradata' folder:

Inside the 'oradata' folder, create another new folder, and named it as 'db'.



The 'db' folder is created.

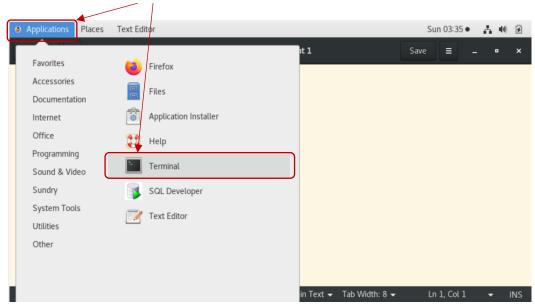


Please make sure that these folders are created correctly, that is, app/oracle/oradata/db.

We have now created the environment properly. We are ready to run the scripts to setup and install the TPCHR sample database.

Setting up the TPCHR sample database:

- 8. Start a new Terminal window and ...
 - i. Open a new Terminal window.



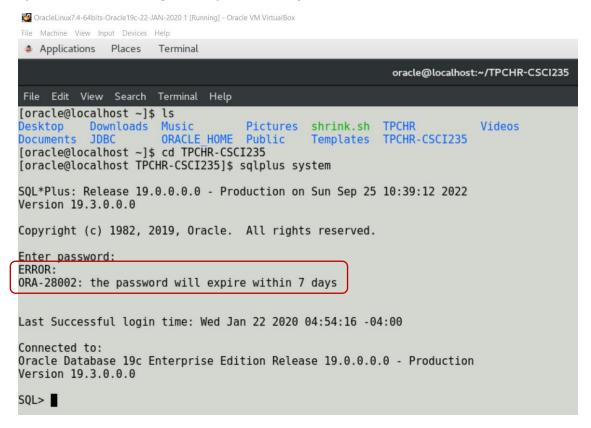
ii. Next change to the directory 'TPCHR-CSCI235'.



iii. Start SQLPlus, and log in using the userid SYSTEM. At the prompt, type the following:

[oracle@localhost TPCHR-CSCI235]\$ sqlplus system

... and enter the appropriate password. (The password is oracle, if you did not change the password.)

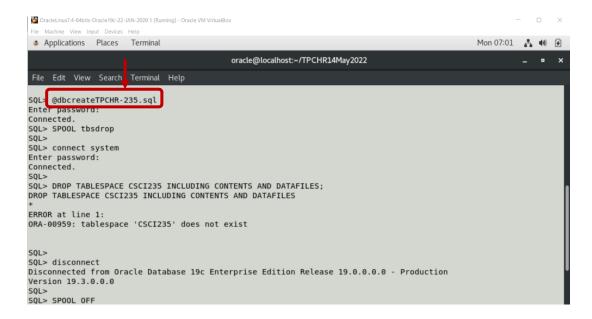


Note: If this is the first time you login to the Oracle, you will notice you will receive an error message stating:

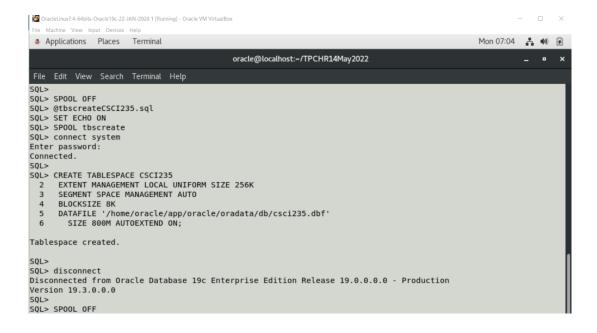
ORA-28002: the password will expire within 7 days

iv. Run the script 'dbcreateTPCHR-235.sql'

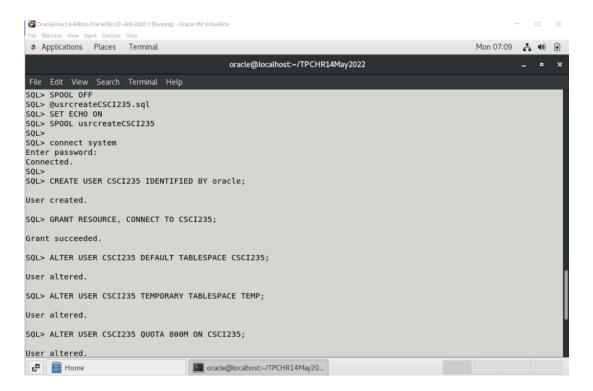
Note: If you did not change the password for the user account SYSTEM and CSCI235, then the password should be 'oracle' (without the single quote.)

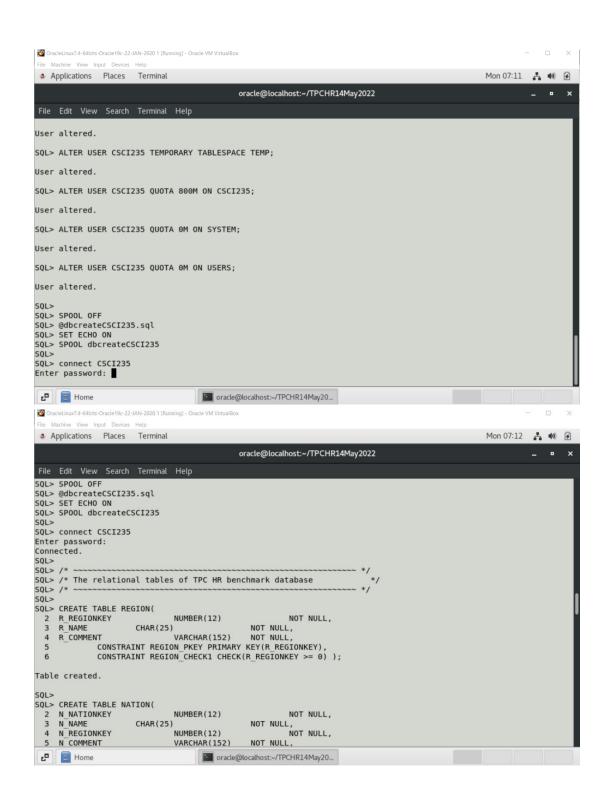


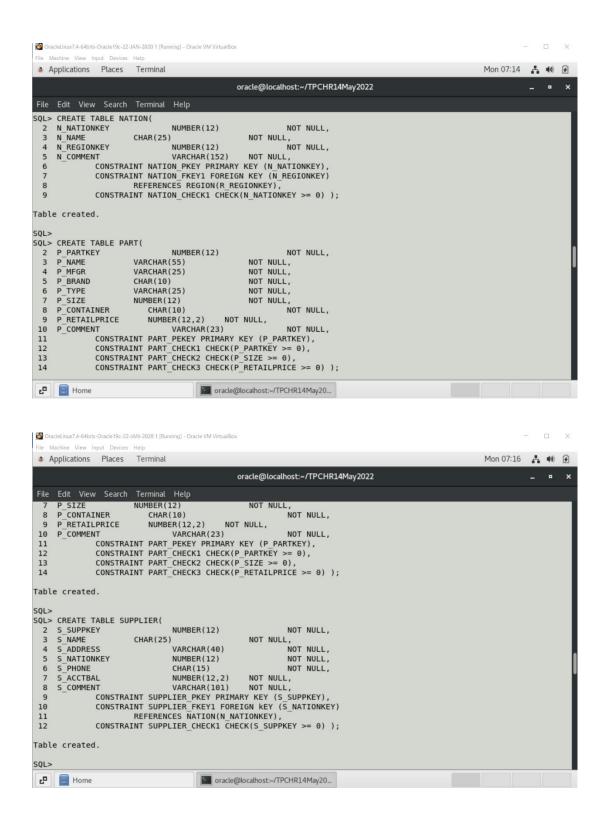
Follow the instructions. When asked to enter the password, please enter 'oracle' (if you have not changed the passwords for the user account SYSTEM and CSCI235.

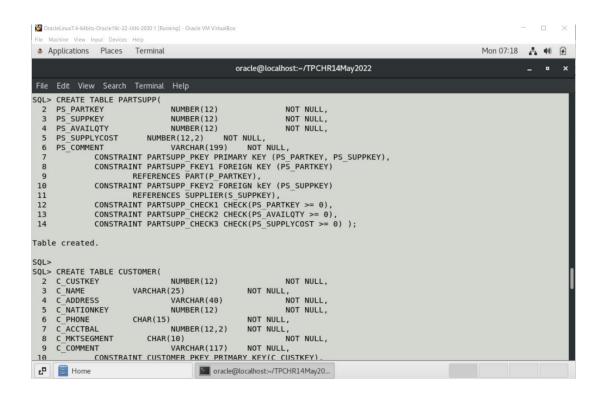


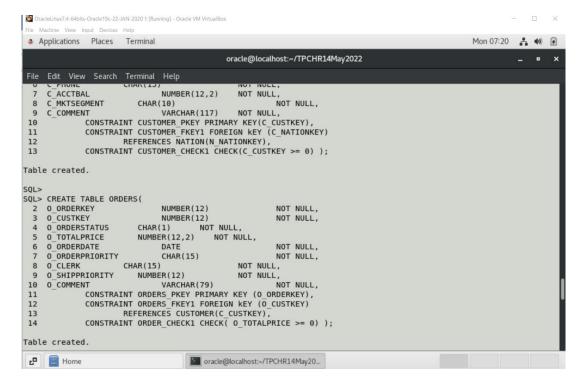


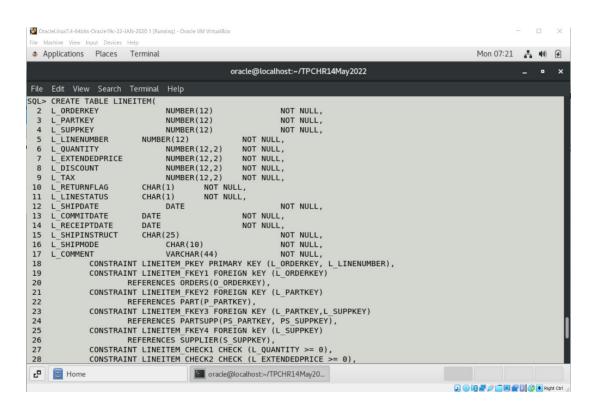


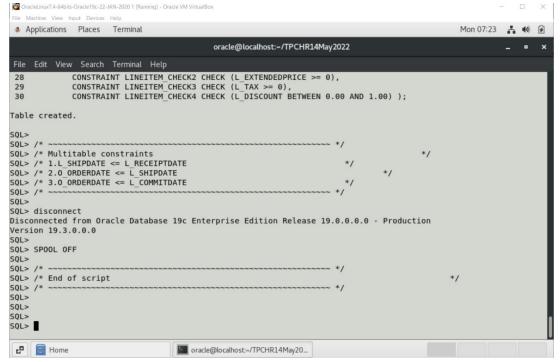


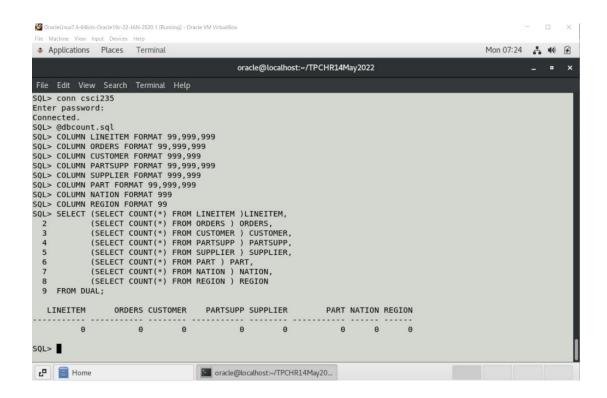












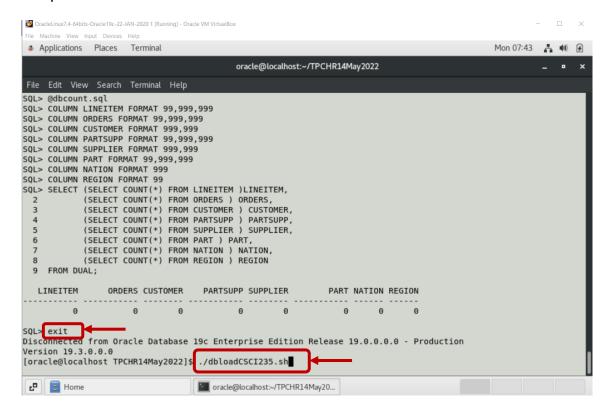
Finally, the scripts finish the processing.

The output has shown that there are eight tables created and currently all the tables are empty.

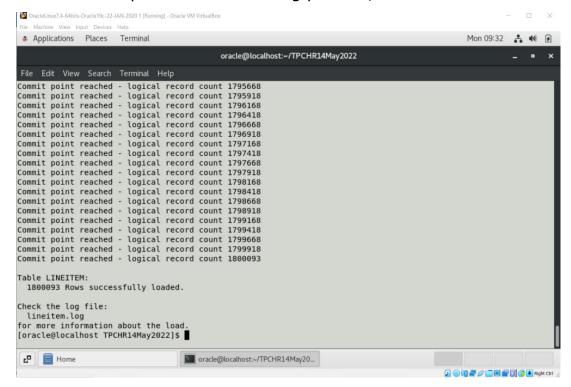
Populate the sample database TPCHR:

 Next, we need to populate sample data to the sample database TPCHR. We need to execute the shell script 'dbloadCSCI235.sh'. (Note: Make sure you have changed the property of the shell script to executable. Step 6, page 7.)

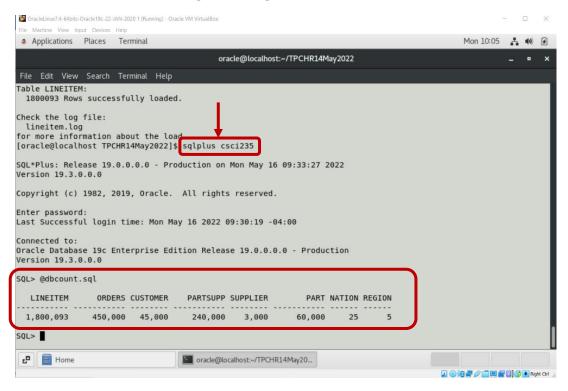
Exit the SQLPLUS client interface and at the terminal, execute the shell script 'dbloadTPCHR235.sh'.



After the completion of the loading process, ...



Start SQLPlus, and log in using the userid csci235.



The tables are now loaded with sample data.

Congratulation! You have successfully setup the TPCHR sample database and loaded with data.