Using Oracle on Omega

KB0010125

78 views

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Oracle accounts are available to everyone with a current Omega account. You can request an Oracle account by emailing Help Desk at [helpdesk@uta.edu](mailto:helpdesk@uta.edu). Additionally, instructors may request Oracle accounts for all students in a particular session.

**Logging in**

The primary way in which you will interact with Oracle is through SQL\*Plus, an interactive SQL-based front-end. After logging into Omega, log into SQL\*Plus by typing:

>sqlplus

You will then be prompted for your Oracle username, which is the same as your NetID username. When you are prompted for a password, enter the password provided to you by the Help Desk. If you are unsure of your password or need it reset, please email the Help Desk at [helpdesk@uta.edu.](mailto:helpdesk@uta.edu)

After logging in successfully, you will see the prompt:

SQL>

Type each command after this prompt.

**Entering a SQL command in SQL\*Plus**

You can enter a single-line or multiple-line SQL statement. SQL statement is not case-sensitive. To end a SQL statement and execute, you can do it in one of two ways:

end with a semicolon ;  
end with a slash / on a line by itself

**Changing your password**

To change your Oracle password, in SQL\*Plus, type:

SQL> PASSWORD;

When prompted, enter your old password, then your new password, and then retype your new password. SQL\*Plus will indicate a successful password change.

**Running SQL command files**

The START command retrieves a SQL command file and runs the command(s) it contains. Use START to run a command file containing SQL commands and/or SQL\*Plus commands. Follow the word START with the name of the file:

SQL> START file\_name

If the file has the extension .sql, you do not need to add the period and the extension .sql to the filename.

**Getting out of SQL\*Plus**

Type

SQL> EXIT

**Capture output from SQL\*Plus to a file**

In SQL\*Plus, enter the command

SPOOL output.lst

to begin capture output and the command

SPOOL OFF

to end the spooling. Any commands issued inbetween the SPOOL commands are saved in 'output.lst'.

SQL> SPOOL output.lst  
SQL> SELECT \* FROM mytable;  
SQL> SPOOL OFF  
SQL> EXIT  
omega> cat output.lst

**List tables owned by you**

Enter the following SQL statement to list schema objects (including tables, views and sequences) owned by you

SQL> SELECT \* FROM user\_tables;

**List all columns of a table**

Enter the following SQL statement to list all columns of a table, replacing [table\_name] with the name of the table you want to describe:

SQL> DESCRIBE [table\_name];

**List database objects owned by you**

Enter the following SQL statement to list database objects owned by you:

SQL> SELECT \* FROM user\_objects;

To list only useful information, enter the following SQL statement:

SQL> SELECT object\_name, object\_type FROM user\_objects;