



**Universidad Autónoma del Estado de México**  
**Unidad Académica Profesional Tianguistenco**

**Ingeniería en software**

**Unidad de aprendizaje:**

**Bases de Datos Orientadas a Objetos**

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# Objetivo

Conocer algunos comandos básicos y montar de lleno nuestro servidor de base de datos Oracle Database con lo aprendido en el video proporcionado como material de clase.

# Desarrollo

Otra forma que encontré de ejecutar Oracle Database fue desde un contenedor de Docker, ejecutamos nuestra imagen de docker y procedemos a ingresar los comandos deseados:

```
~/Desktop/OctavoSemestre/BDD_Orientada (master*) [04:58:13]
alvirelwapo$ docker container ls
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS        PORTS
b273edf8f6df   oracleinanutshell/oracle-xe-11g    "/bin/sh -c '/usr/sb..." 2 hours ago    Up 2 hours    22/tcp, 8080/tcp, 0.0.0.0:49161->1521/tcp, :::49161->1521/tcp
clever_borg
858a6a2bca01   php:8.0-apache                    "docker-php-entrypoi..." 2 hours ago    Up 2 hours    0.0.0.0:8000->80/tcp, :::8000->80/tcp
php-apache
f124e794f727   mariadb:latest                    "docker-entrypoint.s..." 3 hours ago    Up 3 hours    3306/tcp
some-mariadb
~/Desktop/OctavoSemestre/BDD_Orientada (master*) [04:58:26]
alvirelwapo$
```

**Comando:** sqlplus

```
~/Desktop/OctavoSemestre/BDD_Orientada (master*) [05:01:00]
alvirelwapo$ docker exec -it clever_borg bash
root@b273edf8f6df:/# sqlplus

SQL*Plus: Release 11.2.0.2.0 Production on Fri Feb 10 23:01:28 2023

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Enter user-name: system
Enter password:

Connected to:
Oracle Database 11g Express Edition Release 11.2.0.2.0 - 64bit Production

SQL>
```

**Comando:** sqlplus /NOLOG

```
root@b273edf8f6df:/# sqlplus /NOLOG

SQL*Plus: Release 11.2.0.2.0 Production on Fri Feb 10 23:03:13 2023

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SQL>
```

**Comando:** sqlplus USUARIO/CONTRASEÑA

```
root@b273edf8f6df:/# sqlplus system/oracle

SQL*Plus: Release 11.2.0.2.0 Production on Fri Feb 10 23:04:59 2023

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Connected to:
Oracle Database 11g Express Edition Release 11.2.0.2.0 - 64bit Production

SQL> █
```

**Comando:** CONNECT usuario/contraseña | CONN usuario/contraseña | CONNECT usuario

```
root@b273edf8f6df:/# sqlplus system/oracle

SQL*Plus: Release 11.2.0.2.0 Production on Fri Feb 10 23:04:59 2023

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Connected to:
Oracle Database 11g Express Edition Release 11.2.0.2.0 - 64bit Production

SQL> CONNECT system/oracle
Connected.
SQL> CONN system/oracle
Connected.
SQL> CONNECT system
Enter password:
Connected.
SQL> █
```

**Comando:** CONNECT / AS SYSDBA

```
root@b273edf8f6df:~# su oracle
oracle@b273edf8f6df:/root$ sqlplus system/oracle

SQL*Plus: Release 11.2.0.2.0 Production on Fri Feb 10 23:46:49 2023

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Connected to:
Oracle Database 11g Express Edition Release 11.2.0.2.0 - 64bit Production

SQL> CONNECT / AS SYSDBA
Connected.
SQL> █
```

**Comando:** ALTER USER usuario IDENTIFIED BY contraseña;

```
SQL>
SQL> ALTER USER alvirelwapo IDENTIFIED BY "123456";

User altered.

SQL>
```

**Comando:** SELECT \* FROM DICTIONARY

```
oracle@b273edf8f6df:/root$ sqlplus system/oracle

SQL*Plus: Release 11.2.0.2.0 Production on Fri Feb 10 23:51:14 2023

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Connected to:
Oracle Database 11g Express Edition Release 11.2.0.2.0 - 64bit Production

SQL> SELECT * FROM DICTIONARY
```

**Comando:** SELECT TABLE\_NAME FROM DICTIONARY WHERE TABLE\_NAME LIKE '%USER%';

```
SQL> SELECT TABLE_NAME FROM DICTIONARY WHERE TABLE_NAME LIKE '%USER%';

TABLE_NAME
-----
DBA_USERS
DBA_USERS_WITH_DEFPWD
ALL_USERS
USER_ADDM_FDG_BREAKDOWN
USER_ADDM_FINDINGS
USER_ADDM_INSTANCES
USER_ADDM_TASKS
USER_ADDM_TASK_DIRECTIVES
USER_ADVISOR_ACTIONS
USER_ADVISOR_DIR_TASK_INST
USER_ADVISOR_EXECUTIONS

TABLE_NAME
-----
USER_ADVISOR_EXEC_PARAMETERS
USER_ADVISOR_FDG_BREAKDOWN
USER_ADVISOR_FINDINGS
USER_ADVISOR_JOURNAL
USER_ADVISOR_LOG
USER_ADVISOR_OBJECTS
USER_ADVISOR_PARAMETERS
USER_ADVISOR_RATIONALE
USER_ADVISOR_RECOMMENDATIONS
USER_ADVISOR_SQLA_COLVOL
USER_ADVISOR_SQLA_REC_SUM

TABLE_NAME
-----
USER_ADVISOR_SQLA_TABLES
USER_ADVISOR_SQLA_TABVOL
USER_ADVISOR_SQLA_WK_MAP
USER_ADVISOR_SQLA_WK_STMTS
USER_ADVISOR_SQLA_WK_SUM
USER_ADVISOR_SQLPLANS
```

**Comando:** SELECT USERNAME, PASSWORD FROM DBA\_USERS WHERE USERNAME LIKE 'SYS%';

```
oracle@b273edf8f6df:/root$ sqlplus system/oracle

SQL*Plus: Release 11.2.0.2.0 Production on Sat Feb 11 00:33:54 2023

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Connected to:
Oracle Database 11g Express Edition Release 11.2.0.2.0 - 64bit Production

SQL> SELECT USERNAME, PASSWORD FROM DBA_USERS WHERE USERNAME LIKE 'SYS%';

USERNAME                                PASSWORD
-----
SYSTEM
SYS

SQL> █
```

## Conclusiones

El uso de Oracle Database es similar en algunos aspectos a otras aplicaciones que he utilizado como mariadb y mysql-server, me agrada el uso de herramientas CLI para el manejo de este tipo de tecnologías.

## Fuentes Consultadas