1. Log onto the Linux server boi-devdba3.taoslab.local using your Taos lab authentication. Switch users to oracle, password TaosAdmin2012. Log into the Oracle TEST database instance using operating system authentication “/ as SYSDBA”.

Connection Information:

Host: boi-devdba3.taoslab.local

Username/Password: oracle/TaosAdmin2012

TEST Database Username: / as SYSDBA

Answer:

* 1. Using a SSH client like putty, log into server boi-devdba3.taoslab.local with

Username/password: <test domain id>/<test domain password>

Example: bpyle/TaosAdmin2012

* 1. Switch users to oracle.

[bpyle@boi-devdba3 ~]$ su – oracle

Password: TaosAdmin2012

[oracle@boi-devdba3 ~]$

* 1. Set the environment variables by sourcing ~oracle/test.env . This sets ORACLE\_HOME, ORACLE\_SID and appends the ORACLE\_HOME/bin directory to the PATH so unix can find Oracle executables like “sqlplus”.

[oracle@boi-devdba3 ~]$ source test.env

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Current ORACLE\_HOME set to test

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/home/oracle - test >

* 1. Log into Oracle Database TEST as SYSDBA

/home/oracle - test > sqlplus / as sysdba

1. Issue the SQL command that lists all the users/schemas in this Database Instance.

Answer:

At the SQL> Prompt

select USERNAME from dba\_users order by USERNAME;

1. Issue the create user command at the SQL prompt to create a user/schema. Use your username as the name of the user/schema.

Answer:

At the SQL> Prompt, replace <test domain id> with your username.

---- Create User

CREATE USER <test domain id> IDENTIFIED BY TaosAdmin2012

DEFAULT TABLESPACE "USERS"

TEMPORARY TABLESPACE "TEMP";

---- Grant ROLES

GRANT "RESOURCE" TO <test domain id>;

GRANT "CONNECT" TO <test domain id>;

ALTER USER <test domain id> DEFAULT ROLE "RESOURCE","CONNECT";

---- Grant SYSTEM PRIVILEGES

GRANT UNLIMITED TABLESPACE TO <test domain id>;

GRANT CREATE VIEW TO <test domain id>;

1. Run an SQL script while connected as the schema/user that you just created. Connect at your new user prior to running the script. SQL> connect <test domain id>/TaosAdmin2012 The path and filename of the script is /home/oracle/demo/sql/demobld.sql. This script creates tables in your schema and populates them for use in this exercise.

Answer:

At the SQL> Prompt

connect <test domain id>/TaosAdmin2012

@/home/oracle/demo/sql/demo\_build.sql

1. Select all columns all rows from the table emp.

*Note: If this query returns no rows then there was an error in your demobld.sql and you should resolve before moving on.*

Answer:

At the SQL> Prompt

select \* from emp;

1. Insert a row into the table emp using positional form.

Answer:

At the SQL> Prompt

insert into EMP values (7935,'PYLE','DBA',7782,'01-JAN-95',9999,200,20);

1. Insert a row into the table emp using column name form.

Answer:

At the SQL> Prompt

insert into emp (EMPNO,ENAME,JOB,MGR,HIREDATE,SAL,COMM,DEPTNO)

values (7936,'KEITH','OCA',7782,'02-MAR-96',1000,400,20);

1. Update all rows in table emp setting SAL to 8500.

Answer:

At the SQL> Prompt

update EMP set SAL = 8500;

1. Update rows in table emp setting SAL to SAL+(SAL\*10%) for rows where the DEPTNO is equal to 20.

Answer:

At the SQL> Prompt

update EMP set SAL = SAL + (SAL \* 0.10) where DEPTNO = 20;

1. Delete the rows in table emp where the DEPTNO is equal to 20.

Answer:

At the SQL> Prompt

delete from EMP where DEPTNO = 20;

1. Delete all rows in table emp.

Answer:

At the SQL> Prompt

delete from EMP;

There are demonstrations of all the above exercises in /home/oracle/demo/sql with names resembling the DML referenced. insert.sql; update.sql; delete.sql. These can be run at the SQL prompt as follows:

SQL> @/home/oracle/demo/sql/insert.sql

Or if you start SQLPLUS in the directory /home/oracle/demo/sql

SQL> @insert.sql

Or

SQL> @insert

The .sql is not needed as it is the default extension.