

Difference Between Oracle 12c and Oracle 11g

A Message from Bharath Avirneni, Summer 2016

Hello Professor,

please let me the know Oracle version in which you are testing our scripts. because for project 6 I could observe that version specific changes are needs to perform to unlock the SCOTT user.

in oracle 12c (this is my version)

we need to modify the tnsnames.ora like replacing the ORCL with PDBORCL.

and then we need to unlock the SCOTT user by below commands...

```
SQL>CONN SYS/password@PDBORCL AS SYSDBA;
```

```
SQL>ALTER USER scott ACCOUNT UNLOCK IDENTIFIED BY tiger;
```

and then user is unlocked.

then I tried to login to SCOTT user by using the "scott/tiger@PDBORCL" and I succeeded.

also I used the statement **CONN scott/tiger@pdborcl;** in my project6 script to login to scott user.

whereas in Oracle 11g version

Unlock procedure

```
SQL> CONN SYS as SYSDBA;
```

```
SQL> alter user scott account unlock;
```

as far I know that, no need to modify in tnsnames.ora file in Oracle 11g to unlock the SCOTT.

while using `CONN scott/tiger@pdborcl`; it is giving the `TNS:could not resolve error`. however **`CONN scott/tiger@orcl`**; working in Oracle 11g to connect to SCOTT user.

I did almost 2 hours research where I could not find the common statement to run in both oracle 12c and 11g.

please confirm me on this and correct me if am doing anything wrong so that I can correct.

Thanks,

Bharath Avirneni.

--from Peter Ping Liu--

For Project 6, you may connect `scott/itger` to your Oracle database either in 11g or 12c. Both should work for my grading.

Have fun.

PL

--Added by Peter Ping Liu, 7/22/16

I have asked Bharath to test his Oracle 12c again.

Bharath:

Can you do me a favor by testing the following in your Oracle 12c?

1. Go back to `tnsnames.ora` file, and remove PDB. Just keep "orcl". Save the file.
2. In `SQL*PLUS`, issue the following

```
SQL>CONN SYS/password@ORCL AS SYSDBA;
```

Let me know if you are able to SYS schema.

Thanks.

--Here are the test result from Bharath:

Hello Professor,

Yes, I can able to connect to SYS with ORCL in tnsnames.ora file in Oracle 12c.

```
SQL> CONN SYS/password@ORCL AS SYSDBA;
```

```
Connected.
```

```
SQL> show user;
```

```
USER is "SYS"
```

```
SQL>
```

.....

In summary, you may be able to unlock scott/tiger schema in Oracle 12c, as follows:

```
SQL> CONN SYS/password@ORCL AS SYSDBA;
```

where ORCL is the database instance name in your computer. Your database name may be different. You may find it by login as "SYSTEM" user.

```
SQL> conn system
```

```
Enter password:
```

```
Connected.
```

```
SQL> show parameter db_name;
```

Then, you may unlock the scott account, as follows:

```
SQL>ALTER USER scott ACCOUNT UNLOCK IDENTIFIED BY tiger;
```

Have fun and good luck.