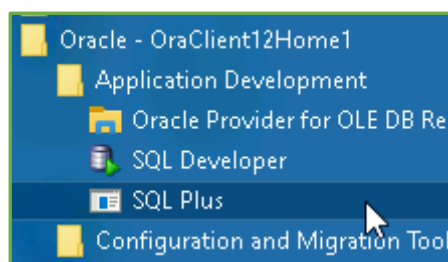**<u>Use PC in Department's Lab</u>**

There are different ways to connect to the Oracle through Department's PCs in labs (*PQ603, PQ604A, PQ604B & PQ604C*). Of course, you should have logged in to the desktop successfully with your **COMP Account** (*not the NetID*).

Please be reminded that you have two login accounts in the Department of Computing. One is the **COMP account** which is used to login to lab's PC and the Intranet services of our Department. That is to connect Department's servers. Another one is the Oracle account which is used to login to the Oracle Server only to use the Oracle database service.

1) Execute [**SQL Plus**] by clicking [ ] → [**Oracle – OraClient12Home1**] → [**Application Development**] → [**SQL Plus**].
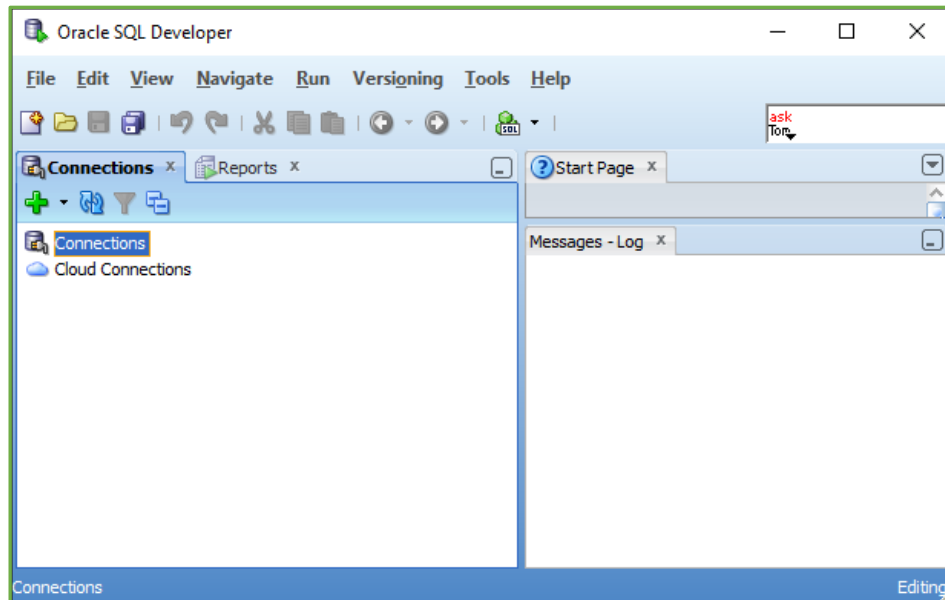

The following window pops up and ask for your [**Oracle Account**] login. Be reminded that to **double quote** your [**Oracle ID**] and add [**@dbms**] to the end of your Oracle ID. Also, when you are typing the [**password**], the cursor does not move. Don't worry, just keep typing the password and press [**Enter**]. If there is no problem, you should see the [**SQL>**] prompt as shown below.

```
SQL*Plus: Release 12.1.0.1.0 Production on Mon Sep 20 13:58:41 2021

Copyright (c) 1982, 2013, Oracle.  All rights reserved.

Enter user-name: csamak@dbms
Enter password:
Last Successful login time: Mon Sep 20 2021 13:56:49 +08:00

Connected to:
Oracle Database 12c Enterprise Edition Release 12.2.0.1.0 - 64bit Production

SQL> ▄
```
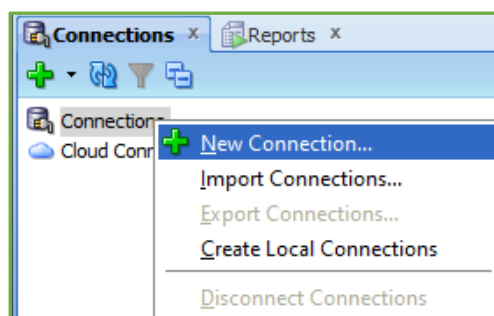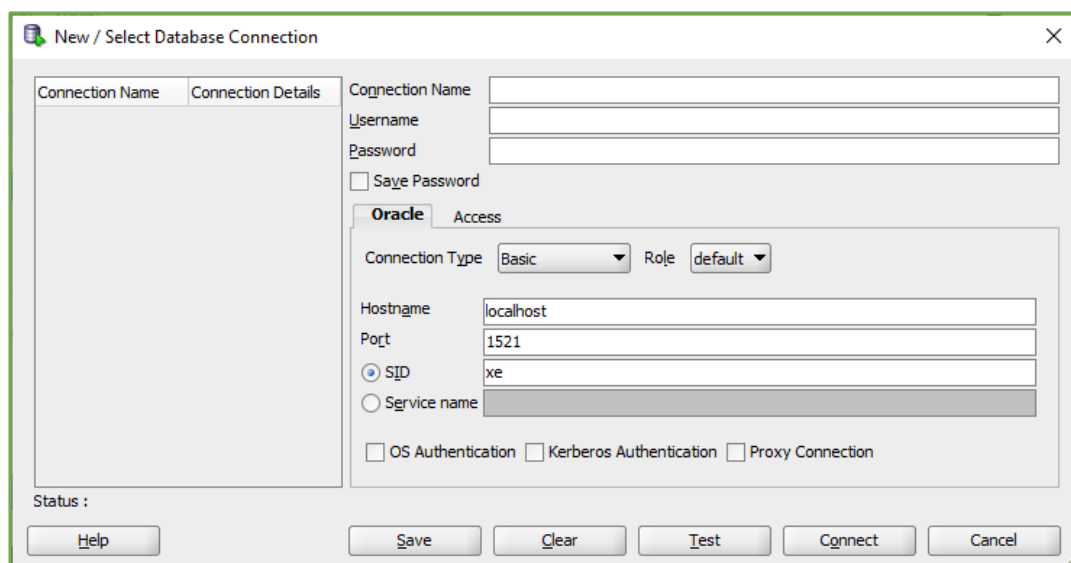
2) Use [**SQL Developer**], it is similar to the [**SQL Plus**]. Simply click [⊞]
   → [**Oracle – OraClient12Home1**] → [**Application Development**] → [**SQL**
   Developer]. Once start, the application looks like the one below.

Click [✚] or right click over [**Connections**].

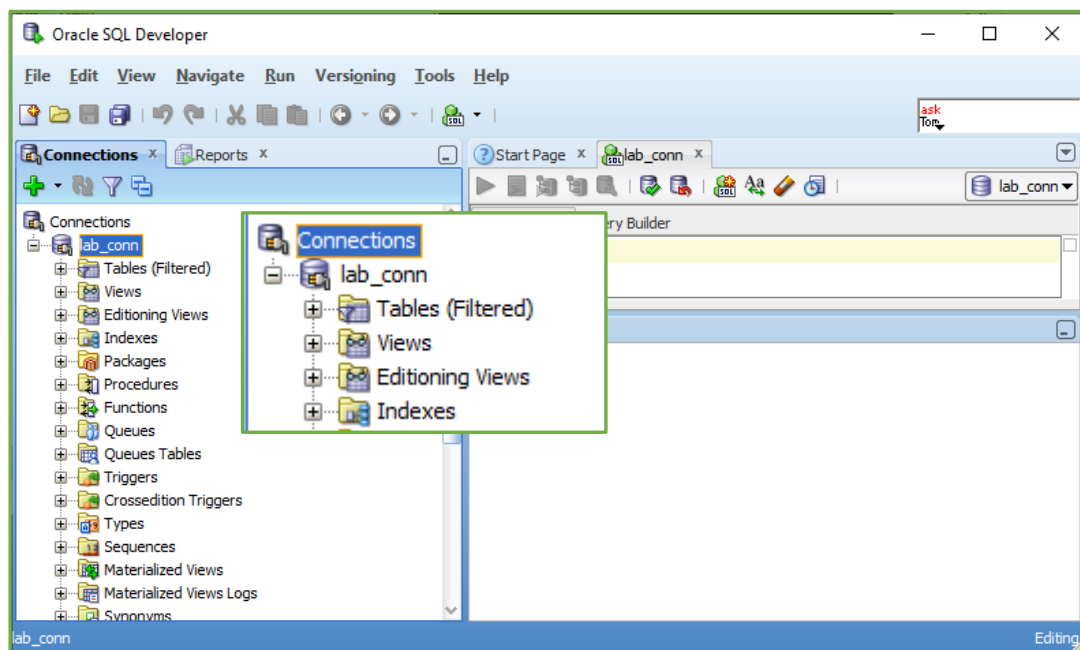The [**New / Select Database Connection**] window appears.

Enter the following:

- [**Connection Name**] – [Enter a name] (whatever you like)
- [**Username**] – Your [Oracle ID] with double quote (no need to add [@dbms]) at the end.
- [**Password**] – Your Oracle Account's password
- [**Hostname**] – studora.comp.polyu.edu.hk
- [**Port**] – 1521
- [**Service name**] - dbms

Click [**Test**] button to check your inputs. If the [**Status**] shows [**Success**], you may click the [**Connect**] button to connect to the Oracle Database Server properly. If not, correct your inputs.

The successful connection would show the database that you have just connected to (i.e. [dbms]). It looks like the one below.

3) Use [**PuTTY**]. It is first to connect to Department's server (*apollo or apollo2*) with your **COMP Account**. (*Procedures are shown on another document, COMP2411_Lab_Putty_SCP.pdf*). Then, set up the Oracle environment by executing the following instruction:

source /compsoft/app/oracle/dbms.bashrc

Finally, run [**sqlplus**] to login to the Oracle Database Server.

4) Use a command prompt in Windows. Just like the use of [**PuTTY**] but this time we simply use a command prompt to connect to department's server by executing the following line:

ssh [COMP_Account]@csdoor.comp.polyu.edu.hk

Similar to the PuTTY, you are asked to input [**password**] and choose one of the two servers (*apollo or apollo2*). Set up the Oracle environment. Finally, login to the Oracle Database Server with your Oracle Account.

For those students who cannot come back to the campus, you should use one of the **SSH Client Applications** (*e.g. Windows users may use PuTTY while MAC users may simply open a terminal*) to establish the connection between your machine and department's server. And then login to the Oracle Database Server with your Oracle Account. We would like to remind you that outside the campus, for security reasons, it is not allowed to connect to the Oracle Database Server directly. You must first connect to department's server and then through this server to connect to the Oracle Database Server.

⊕ END ⊕