

School of Computing Technologies

ISYS1101/ 1102 Database Applications

Week 1: Setting up Oracle SQL Developer on MyDesktop

Semester 2 2022

1 Objective

The objective of this tute/lab session is to revise what's learned in your first database course, specifically:

- Make yourself familiarised with RMIT University's Oracle database setup;
- Familiarise with Oracle SQL Developer;
- Learn how to create tables in Oracle;
- Learn how to do simple CRUD (create, read, update, and delete) data in tables;
- Learn about integrity constraints;
- Learn how to use SQL to retrieve data from a database to meet clients' needs.

1.1 Preparation Tasks

As an enrolled student in the ISYS1101/1102 Database Applications course, you have been provided access to Oracle 12c database server at the RMIT University. Oracle is a classic client-server application where you can use a multitude of different client applications to access the database server.

By now you should have received an email from ITS services regarding with your Oracle access details. E.g.:

Hi <<Your name>>,

Your account in the Oracle teaching database has been created.
Your login credentials are as follows:

Please note the old service name GENERAL / GENERAL.CS.RMIT.EDU.AU is now updated to CSAMPR1.ITS.RMIT.EDU.AU

Connection Name	CSAMPR1 (this is only a descriptive label)
Username	<<Your Student Number>>
Hostname Name	talSprddb01.int.its.rmit.edu.au
Service Name	CSAMPR1.ITS.RMIT.EDU.AU

You can set your password at <https://access.csit.rmit.edu.au>
This site can only be accessed within RMIT Network.

If you need to access this site via non-RMIT network, please access it via a web browser through [MyDesktop](#).

Please consult your instructor on how to access this database for your class.

If your instructor has identified issue with your account or access, please contact the [IT Service and Support Centre](#).

MyCommunity Link for accessing Oracle database using sqlplus and SQLDeveloper : [How to access Oracle Database](#)

Note down username, hostname, and the service name. They are case-sensitive, and must be entered exactly as they appear on your email. 'Copy—and—paste' is highly recommended.

1.1.1 Setting up SQL Developer

In this exercise we use Oracle SQL Developer client, available on MyDesktop (mydesktop.rmit.edu.au) to access your Oracle account.

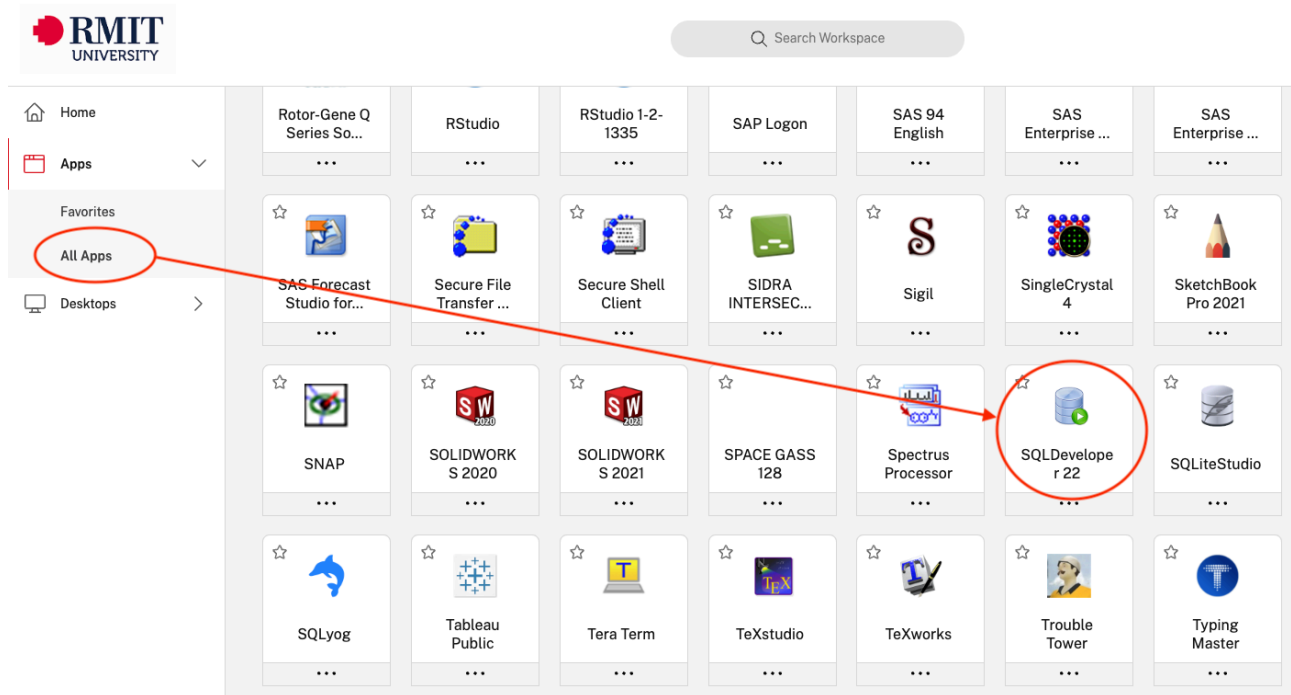
[FIRST TIME ONLY] Goto <https://access.csit.rmit.edu.au> and reset your Oracle password.



DO NOT use your RMIT password as your Oracle password. In future labs, you may be required to use this password with PHP code in plain text, and is not secure there.



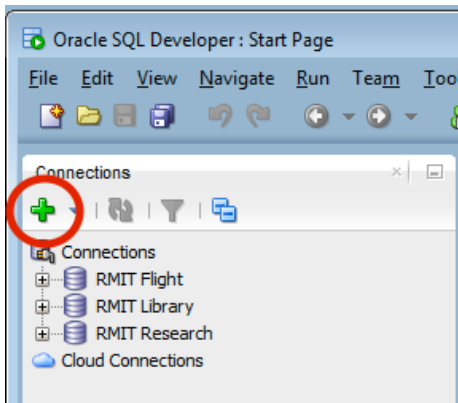
Ideally, you should have SQL Developer installed on your own Laptop, however, if you were not able to configure it to access Oracle Database on RMIT Servers, follow these steps.



Your Lab assistant will demonstrate you how to access MyDesktop, choose Applications folder and start up the SQL Developer application.

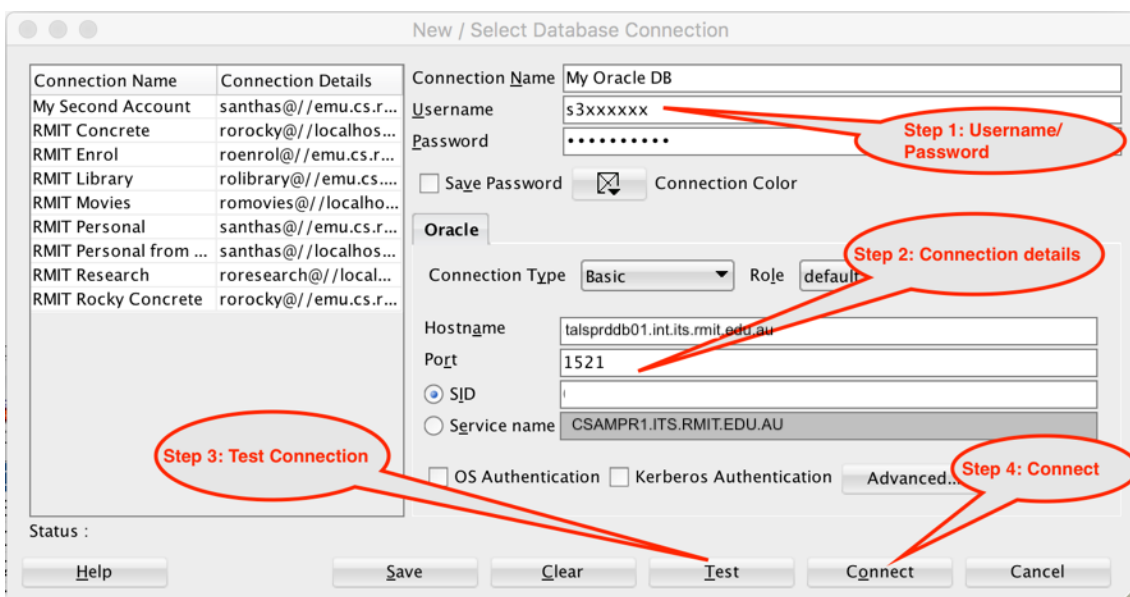
Open SQL Developer on your computer and follow these steps:

Step 1. Open SQL Developer and add a new connection.
Click on the + symbol on the left-hand pane.



Step 2: On the Connection dialog box, enter connection details and login details. Use the details you received from ITS:

Connection Name	My Oracle DB (you may call it whatever you wish)
Username	Snnnnnnnn
Password	Your Oracle Password (NOT your regular RMIT single sign-on password)
Hostname Name	talsprddb01.int.its.rmit.edu.au
Port	1521
Service Name	CSAMPR1.ITS.RMIT.EDU.AU



Step 3: Test the database connection.

Connection Type: Basic

Details | Advanced

Hostname: talsprddb01.int.its.rmit.edu.au

Port: 1521

☐ SID: xe

☒ Service name: CSAMPR1.ITS.RMIT.EDU.AU

Status : Success

Buttons: Help, Save, Clear, Test, Connect, Cancel

If the test failed, double-check the details you entered in step 2.

Step 4: Once your connection test is successful, save the settings and click 'Connect' to open an SQL connection window.

1.1.2 How to copy files onto MyDesktop.

Note that MyDesktop is a virtual desktop, running on a Citrix server. However, it has a home directory which you can download and store files, and, in turn SQL Developer can access those files.

For example, the DDL files, required for building Movies database, must be downloaded into this home directory.

Open Chrome application on MyDesktop.

Open Course Canvas on this version of Chrome, not the Chrome (or any browser on your own computer).

Download and save them onto H Drive on MyDesktop. This H Drive is accessible from SQL Developer. (Normally they are saved on [\\rmit\internal\USRHome\...\Downloads](#) folder on H Drive.

From this point on, you should be able to follow steps outlined on main labsheet.

Activity 1: Creating Database Tables in Oracle

Continued on main labsheet