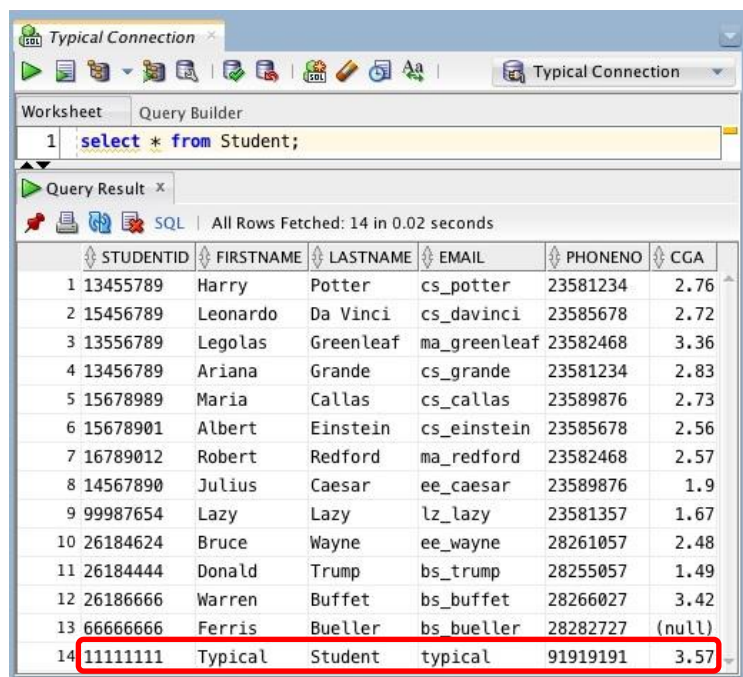


COMP 3311: Database Management Systems

Lab 1 Exercise: Oracle Database, SQL Developer and SQL*Plus

HOW TO GET THE CREDIT FOR THIS LAB

1. **Download** the **Lab1.sql** script file from the **Oracle Database, SQL Developer and SQL*Plus** entry of the Lab Schedule course webpage and **execute** it in SQL Developer.
2. **Construct** a script file in SQL Developer named **InsertMyself.sql** that inserts into the **Student** table an additional tuple with the following values.
 - Your student id, first name, last name and HKUST email address.
 - Any phone number of your choosing (it does not have to be your phone number).
 - Any CGA of your choosing less than or equal to 4.0. (It does not have to be your CGA.)The last line of the script file should be the command **commit**, which writes any changes you make from memory to disk (i.e., to the database).
Note: You should save your **InsertMyself.sql** script file as it will be modified and used in future labs.
3. **Execute** your **InsertMyself.sql** script file.
4. **Construct** and **execute** an SQL statement to show all the records in the **Student** table as shown in Figure 1.



| | STUDENTID | FIRSTNAME | LASTNAME | EMAIL | PHONENO | CGA |
|----|-----------|-----------|-----------|--------------|----------|--------|
| 1 | 13455789 | Harry | Potter | cs_potter | 23581234 | 2.76 |
| 2 | 15456789 | Leonardo | Da Vinci | cs_davinci | 23585678 | 2.72 |
| 3 | 13556789 | Legolas | Greenleaf | ma_greenleaf | 23582468 | 3.36 |
| 4 | 13456789 | Ariana | Grande | cs_grande | 23581234 | 2.83 |
| 5 | 15678989 | Maria | Callas | cs_callas | 23589876 | 2.73 |
| 6 | 15678901 | Albert | Einstein | cs_einstein | 23585678 | 2.56 |
| 7 | 16789012 | Robert | Redford | ma_redford | 23582468 | 2.57 |
| 8 | 14567890 | Julius | Caesar | ee_caesar | 23589876 | 1.9 |
| 9 | 99987654 | Lazy | Lazy | lz_lazy | 23581357 | 1.67 |
| 10 | 26184624 | Bruce | Wayne | ee_wayne | 28261057 | 2.48 |
| 11 | 26184444 | Donald | Trump | bs_trump | 28255057 | 1.49 |
| 12 | 26186666 | Warren | Buffet | bs_buffet | 28266027 | 3.42 |
| 13 | 66666666 | Ferris | Bueller | bs_bueller | 28282727 | (null) |
| 14 | 11111111 | Typical | Student | typical | 91919191 | 3.57 |

← Original Student records.

← Additional record containing your information.

Figure 1: Example SQL Developer window showing **Student** records.

WHAT TO SUBMIT

1. Your **InsertMyself.sql** script file.
2. A screenshot of the SQL Developer window showing the result of the SQL query in the Query Result pane as shown in Figure 1. To obtain a screenshot of the SQL Developer window and save it:
 - Select the SQL Developer window.
 - Press **alt** and **Print Screen** together. This copies the SQL Developer window.
 - Open the Paint program, which can be found in the **Windows Accessories** folder in the **All apps** tab in the Windows menu (or search for "paint"), and paste the copied screenshot into the Paint window.
 - Select **Save** in the Paint program and save the screenshot on the Desktop with **File name: Lab1** and **Save as type: JPEG**.

How To SUBMIT

By 11:59 p.m. today, upload your **InsertMyself.sql** script file and SQL Developer screenshot file to Canvas by selecting “Lab 1” in the Assignments section of Canvas, and then selecting the “Submit Assignment” button. You need to upload each file separately. To check your submission, select the “Submission Details” button on the right side. For help, select the “Help” button at the top-right of Canvas.

SAVE YOUR INSERTMYSELF.SQL SCRIPT FILE

Save your **InsertMyself.sql** script file either to the M drive or to a USB drive as any personal files on the lab computers will be automatically deleted periodically.