CIS4331 Spring 2019

Lab 1

1/15/2019

Lab Summary

- Download and install Oracle 11g Express R2

- Download and "install" Oracle SQL Developer

- Download and install Java

  - Only if your laptop does not have Java

- Installation on Mac

- Due date and time

  - Due by our next lab class on Jan. 22

- Submission

  - No need to submit anything

  - Must show the installation to TA in class in Lab 1 or Lab 2

Oracle 11g Express and Oracle OTN Account

■ Oracle 11g XE Release 2

- Entry-level, small-footprint database based on Oracle Database 11*g* Release 2

■ Oracle OTN Account

- https://profile.oracle.com/myprofile/account/create-account.jspx?nexturl=https%3A%2F%2Fcommunity.oracle.com%2Fwelcome&pid=community
- Must have one to download and install Oracle 11g XE
1. Click the link above
2. If already a member, click Sign-In
3. If no account, fill out the form and click Create Account
   ▸ You need to validate your email address

Download and install Oracle 11g Express

- If you laptop is Mac, please go to Slide 10.
- How to download Oracle 11g XE R2 on Windows
  - https://www.oracle.com/technetwork/database/database-technologies/express-edition/downloads/xe-prior-releases-5172097.html
  - Click the link above to go to the download page for Oracle Database Express Edition 11*g* Release 2
  1. On that page, select **Accept License Agreement**
  2. Click the link for the version for your laptop and download the zip file
     ‣ E.g. Windows 64-bit

Download and install Oracle 11g Express

- How to install Oracle 11g XE R2
  1. Unzip the download and run the DISK1/setup.exe
  2. Respond to the resulting Install Wizard dialog boxes.
  3. When asked to specify a password for the `system` and `sys` accounts,
     - Use the password `system`
       - Because some SQL scripts used in the course assumes this password
       - If you don't use this password, you will have to change those SQL scripts.

Download and "install" Oracle SQL Developer

- How to download and "install" Oracle SQL Developer
  - The lab computers has older version: Version 4 installed.
  - I recommend installing Version 4. The link is here:
    - https://www.oracle.com/technetwork/developer-tools/sql-developer/downloads/sqldev-downloads-42-3802334.html
  - If you want try the latest Version, use this link:
    - http://www.oracle.com/technetwork/developer-tools/sql-developer/downloads/index.html
  1. Click the link above for the desired version to go to the download page for Oracle SQL Developer

Download and "install" Oracle SQL Developer

- How to download and "install" Oracle SQL Developer (continued)

  2. Click the link for the version for your laptop and download the zip file

     ▸ If your laptop does not have Java 8 installed, choose

       – Windows 64-bit with JDK 8 included

     ▸ If your laptop has Java 8 already, choose

       – Windows 32-bit/64-bit

  3. Unzip the zip file to C:\Program Files\sqldeveloper

  4. Create a shortcut to the executable C:\Program Files\sqldeveloper\sqldeveloepr.exe

     ▸ Do not need installation program

Download and install Java 8

- Oracle SQL Developer requires installation of Java.

- If you installed Windows 64 version and chose the option "*Windows 64-bit with JDK 8 included*", then

  - Java 8 is included in the downloaded file. You don't need to install Java 8 separately.

- If downloaded Windows 32 version,

  - Java 8 is not included in the downloaded file.

  - If you don't have Java previously installed on your laptop, download and install Java 8.

Download and install Java 8

- To download Java 8,

1. Go to this link:

   - https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html

2. On that page, select **Accept License Agreement**

3. Click the link of the correct version for your laptop, and download.

- To install Java 8, following the steps from Step 3) in this link:

   - https://www.guru99.com/install-java.html

Installation on Mac Laptop

- Oracle 11g XE R2 and Java 8 are available on Mac

- Oracle SQL Developer is NOT available on Mac

- So I recommend you do the following to install the software needed for this course

  1. Install the virtualization software: Oracle Virtualbox

     ‣ Go to https://www.virtualbox.org/

     ‣ Click Download Virtualbox 6.0

  2. Download and install 64-bit MS Windows on Virtualbox

     ‣ You need to have an account setup for the MS Imagine program by the system admin in CIS.

Installation on Mac Laptop (Continued)

- Steps for installing lab SW on Mac (continued)
    2. Download and install 64-bit MS Windows on Virtualbox
        - Please contact me for getting this MS Imagine account.
        - Start the virtual box you installed
        - Create a virtual machine for the 64-bit Windows to be installed
        - Install downloaded Windows on this virtual machine
    3. Install Oracle XE 11g R2 on the Windows running on VirtualBox
        - This is similar to installation on Slides 4 and 5

Installation on Mac Laptop (Continued)

- Steps for installing lab SW on Mac (continued)
    4. Install Oracle SQL Developer on the 64-bit Windows running on VirtualBox
        - This is similar to installation on Slides 6 and 7

- **Please feel free to ask the TA or me to help you with the installation**