Oracle database and sql developer installation guide

This guide shows the installation steps of oracle database and sql developer on your own pc, for both mac and windows operating system. The installation guide of linux is similar to that of windows.

<u>Mac :</u>

Since there's no official version of "Oracle Database" for Mac os, we need to use the Oracle DB Developer VM to create tables in database and practice sql language. This approach can also be used in windows or linux system, but it takes more space. You can follow official documentation at the following link: https://www.oracle.com/technetwork/database/enterprise-edition/databaseappdev-vm-161299.html

Before start, check the available disk space in your mac, be sure there are more than 30GB free space in disk. Otherwise, try to move some files to external hard drives.

- 1. Download and install <u>Oracle VM VirtualBox</u> on your host system: <u>https://www.oracle.com/technetwork/server-storage/virtualbox/downloads/index.html</u>
- 2. Download the files <u>Oracle DB Developer VM</u> : <u>http://download.oracle.com/otn/other/virtualbox/dd/DeveloperDaysVM2018-10-16_09.ova</u>
- 3. At the "Setup" section of the linked web page, accept the license agreement, and download it in "Step 2". It may require an oracle account, you can sign up an account for free. The file is about 6 GB, and it takes hours to download. Be sure you have stable network connection.
- 1. Open VirtualBox, select File->import Appliance, in the prompted window, select the downloaded Oracle_DB_Developer_VM. Then click Next to begin importing the virtual machine. It may take about 20GB additional disk space.



2. Once the import finished, the Oracle DB Developer VM will appear on the left side of VirtualBox. Click "Start" to run it.



3. Open SQL Developer.



- 4. Click "system" database on the left side to load the existing database. Then copy and run the sql queries in file "db.sql" into the Worksheet to generate the tables used in the practice.
- 5. Click "Tables" under "system", then click the filter (third symbol), in the prompted window, select following parameters (date should be current date):

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6. Then only the newly created tables are shown on the left side. Now you can begin your sql practice. Good luck!

Windows:

Requirements:

Java SDK : JDK 7 or later for Windows, available at: http://www.oracle.com/technetwork/java/javase/downloads/jdk7-downloads-18802 60.html

Before start, check Java version on windows:

Press the **windows key + r** and enter "**cmd**" with the dos open, type in **java** -**version** ==> The output will look something like: Java version "x.x.x_xx Java(TM)

Administrateur : Invite de commandes	
Microsoft Windows [version 6.1.7601] Copyright <c> 2009 Microsoft Corporation. Tous droits réservés.</c>	^
C:\Users\sclop.benayed>java -version java version "1.8.0_40" Java(TM> SE Runtime Environment (build 1.8.0_40-b25) Java HotSpot(TM> 64-Bit Server VM (build 25.40-b25, mixed mode) C:\Users\sclaq.benayed>	

- 1. Sing up on oracle, you can create an oracle account for free. http://www.oracle.com/index.html
- 2. Download and install Oracle Database Express Edition 11g Release 2 at this link, and choose your appropriate release of you windows (a 32bits or 64bits):

http://www.oracle.com/technetwork/database/database-technologies/express-ed ition/downloads/index.html

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Oracle Database Express Edition 11g Release 2
June 4, 2014
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You may also be interested in the following downloads: Oracle SQL Developer Oracle SQL Developer Data Modeler Oracle Application Express JDeveloper for Java Developers Oracle Developer Tools for Visual Studio .NET Zend Server

Try to visit this web site for doubts : <u>http://docs.oracle.com/cd/B25329 01/doc/install.102/b25143/toc.htm#BABGG</u> <u>AJA</u>

3. During the installation of Oracle Database Express Edition you have to choose a password for SYS and SYSTEM users. Then click **Next**. For example I chose "oracle".

Oracle Database 11g Exp	ress Edition - Install Wizard	×
Specify Database Pa	asswords	ORACLE DATABASE EXPRESS EDITION
Enter and confirm passw the SYSTEM database a	ords for the database. This password will be used for both the S accounts.	YS and
Enter Password	•••••	
Confirm Password	•••••	
InstallShield —	Back Next	Cancel

The installation takes time! you can even take a break and drink coffee :D !! then press finish

4. Download sql developer at this link:

http://www.oracle.com/technetwork/developer-tools/sql-developer/overview/ind ex.html

September 15, 2014	per 4.0.3 (4.0.3.16.84)
SQL Developer 4.1 Early Ado	pter is Now Available
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5. Compile the installation as follows by choosing the version of Java :



6. Click on new connection

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New connection	Connections	×	3 Start Page →

- 7. Use the SYSTEM user and put the password that you chose during the Oracle Database Express Edition installation.
- Now download the SQL script (you can find it in the course page: <u>http://dbdmg.polito.it/wordpress/teaching/databases/</u>). Click to Open and find db.sql.

Nome connessione	Dettagli connessione	Nome connessione	test
	5	Nome utente	SYSTEM
		Password	•••••
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		Po <u>r</u> ta	1521
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		Autenticazion	e sistema operativo 🗌 Autenticazione Kerberos 🛛 Advanced
Stato:			



- 9. Now click on run script (or F5).
- 10. Now you can begin your sql practice.