BMIS441-Data Base Management **Name: _____**
Professor Chen

Brief Tutorial for Oracle® 11g

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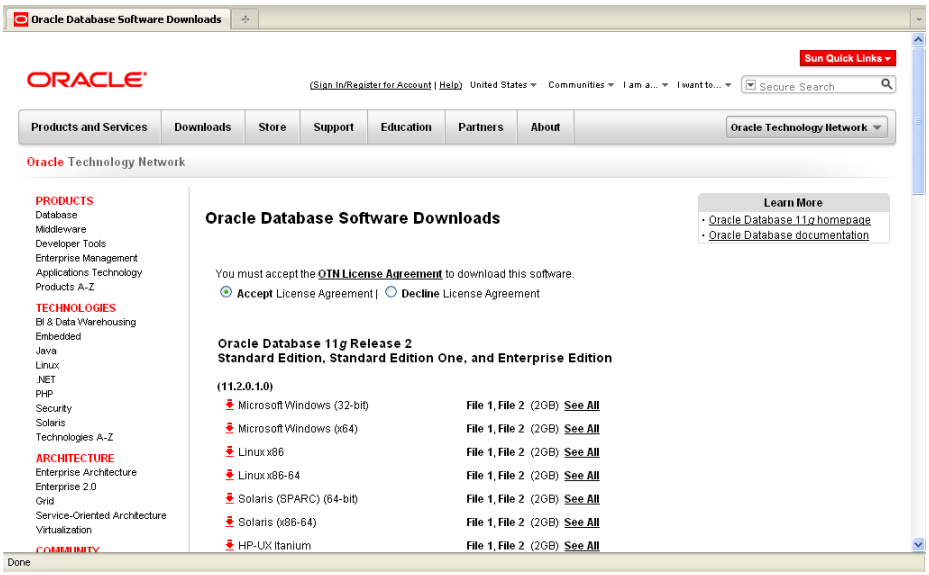
This tutorial includes three parts help you install Oracle 11g on your computer:
Part I. Installing Oracle 11g from downloaded files (Oracle.com)
Part II. Un-installing Oracle 11g (in case you need to re-do it)
Part III. Everything is set up correctly (?) but it still doesn't run!
Part IV. Installing Oracle 11g (DVD bundled with the text)

PART I. Installing Oracle® 11g from downloaded files

1. To download the Oracle 11g Setup files, follow this link.
   http://www.oracle.com/technology/software/products/database/index.html

2. Make sure to click on the accept button before continuing, as shown in the following screen.



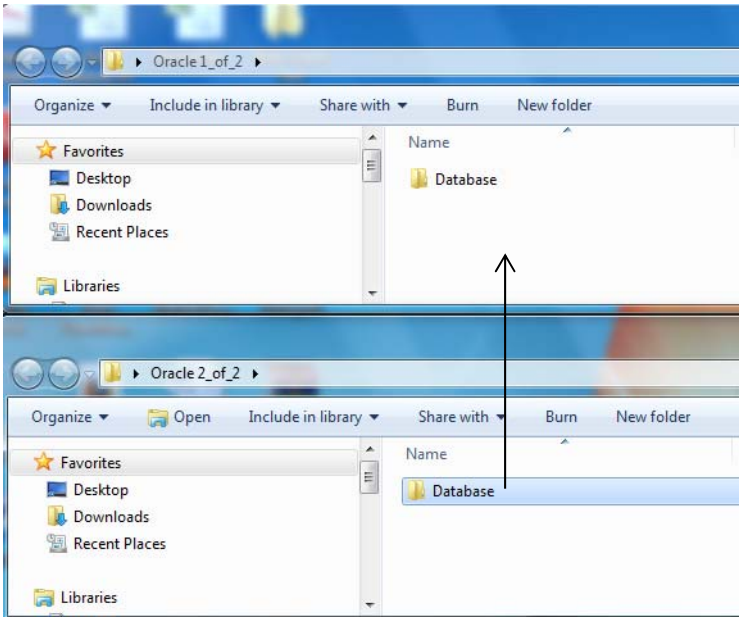
3. If you are using a 32-bit version of Windows, Click on the link named "File 1" to the right of the first link (Microsoft Windows (32-bit)). If you are using a 64-bit version of windows, click on the link named "File 1" next to Microsoft Windows (x64). This will take you to a new page asking for a user name and password. Click on the "sign up now" link.

4. On the next page, click on the "Create your Oracle account now" on the right side of the page and just follow the instructions.

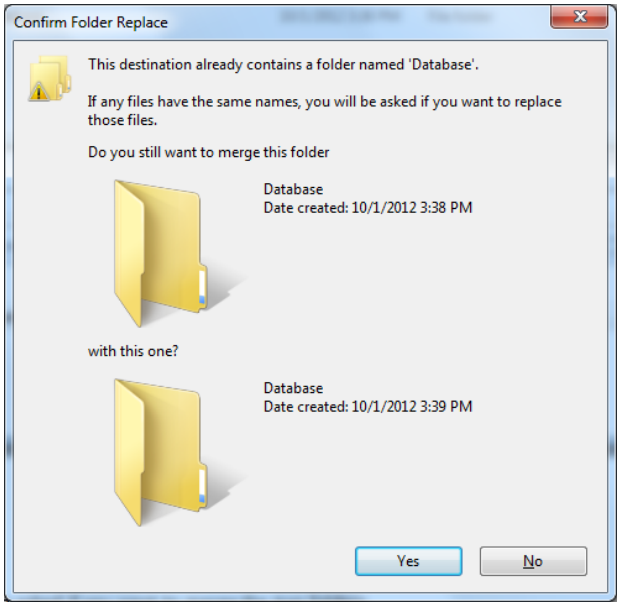
5. After you are done with signing up and filling the required information, the download window will open asking you where to save the first part of the file.

6. Make sure to download the second part of the file (File 2) as well.

7. After both parts are downloaded successfully, using an unzipping program like WinZip, or WinRAR, **unzip both files to the same directory**.
8. If you **did not** extract them into the same directory, you will have two directories, each with a folder called "Database." Drag the database folder from one folder into the other.



9. You will be asked if you want to merge the two folders, say yes.



10. Go to setup.exe and start installing Oracle 11g on your machine. Refer to the other tutorial for installing Oracle 11g for further information.

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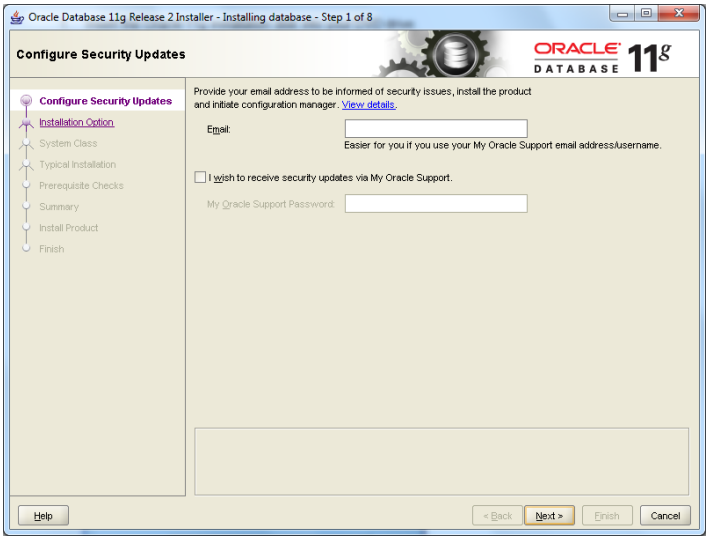
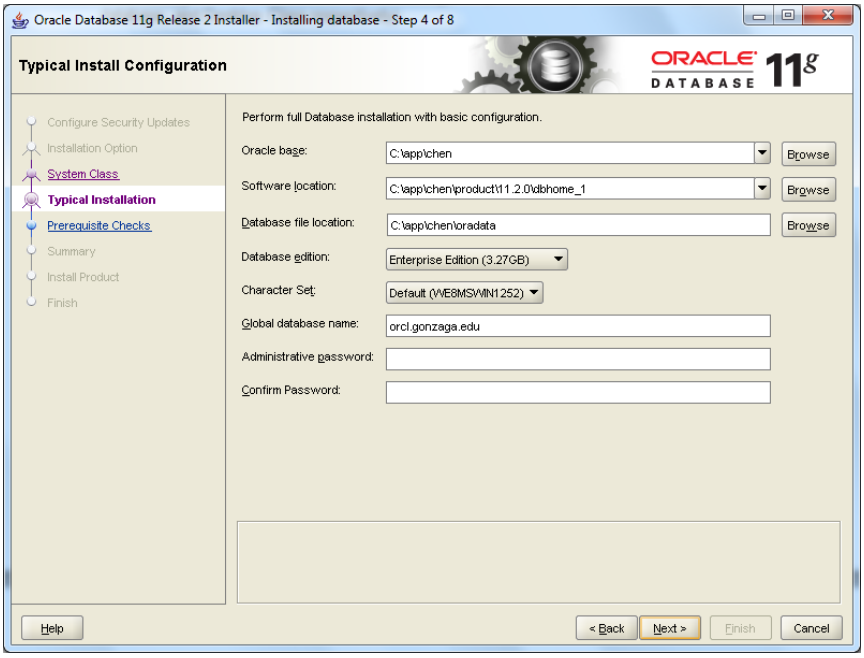
11. A command prompt window will open up asking you to wait, and then this window will appear.



12. Click the next button, and click yes. Ignore the warning.

13. Click next again on the next two windows, leaving the options as is (Create and configure a database, and Desktop Class respectively)

14. You will get the following screen:



15. Select where on your hard disk will the installation files and program will be saved. This version of Oracle needs at least 300 MB of free space in the C drive and a minimum of 3 GB of free space in another drive. If you have enough space for both just install it all in the C drive.

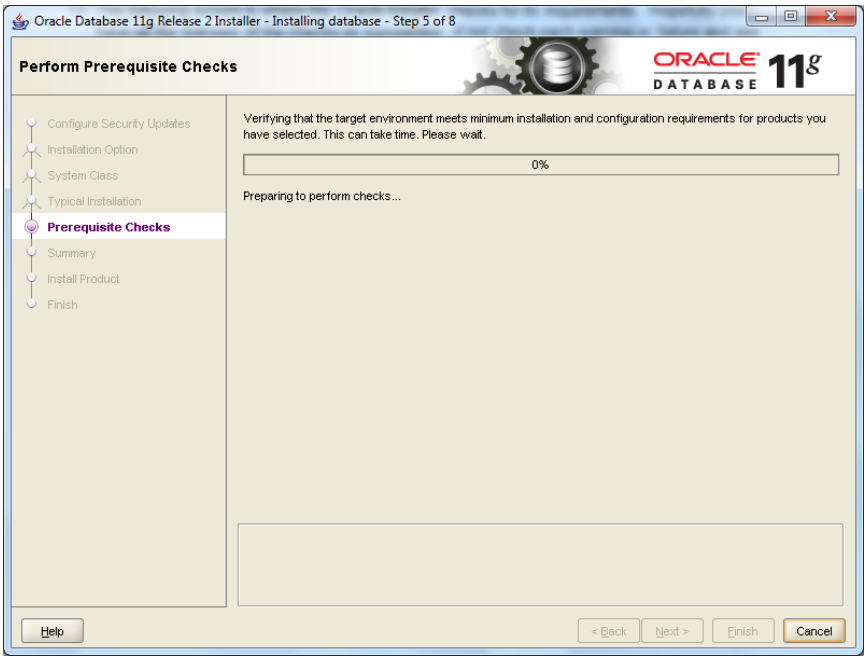
16. Make sure that under Installation type, Enterprise Edition (3.27 GB) is selected.

17. One of the most important fields to fill is the “Administrative Password”. This will be your main password for accessing the software. So enter the password of your choice in both the “Administrative Password” and “Confirm Password” fields, but make sure to remember it. (A good password to use is admin if this is your own personal computer that no one else uses). The user names are already predefined as SYS, SYSTEM or SYSMAN. Again, you need to remember those in order to be able to gain access into Oracle after installation.

18. After you’re done with steps 15-17, click next. You might get the warning message: “The ADMIN password entered does not conform to the Oracle recommended standards.”
Just ignore this and click yes.

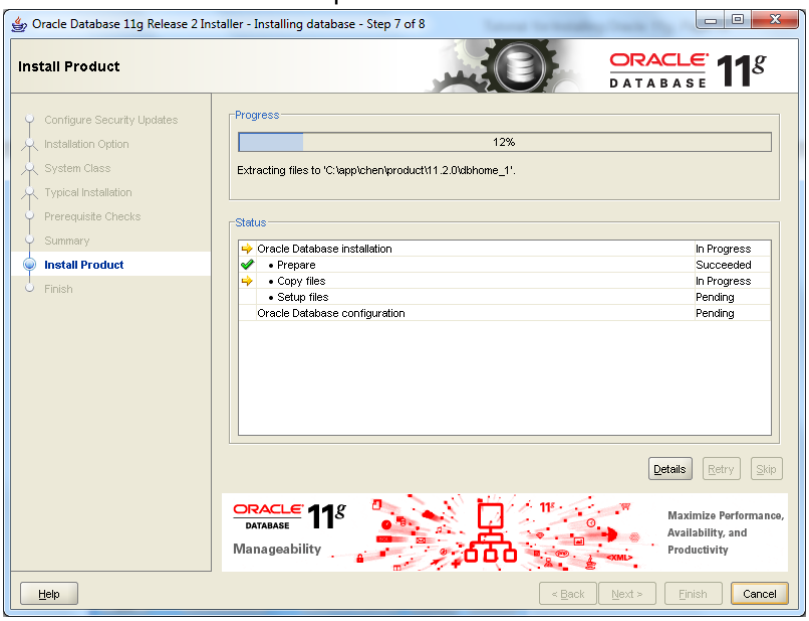
19. If you get an error (or three) regarding **invalid characters**, make sure that the path you are installing to does not contain apostrophes (‘) or spaces. Valid paths would include C:\app\johnsmithscomputer. While an invalid path example would be C:\app\john smith’s computer.

20. The following screen is where the Oracle Installer checks for its requirements. Hopefully you’ll have all the statuses of the checks as succeeded. If not check each warning or failure and see why you’re getting that status. For example, if you have memory (RAM) on your computer of less than 1 GB, you will get a notification as this is the minimum requirement.

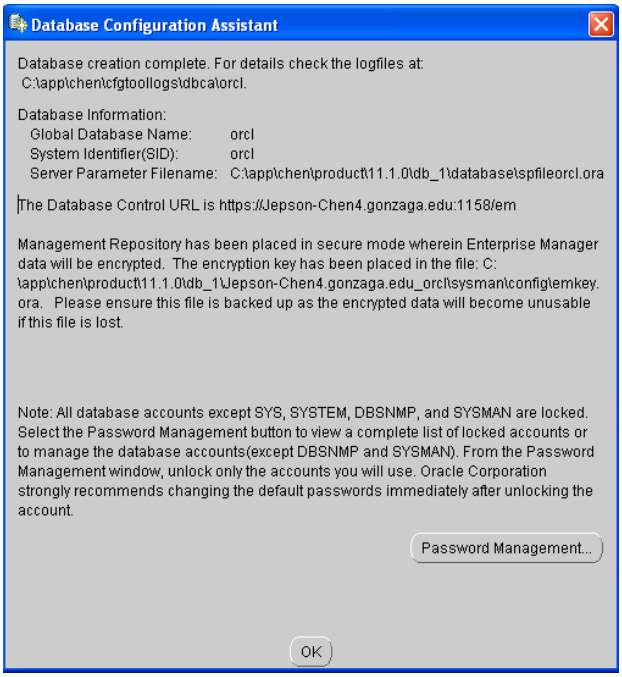


21. Assuming everything succeeded, now click on Finish to continue. This installation needs to also install java as one of its components so if you get a message asking to either block or unblock, choose unblock.

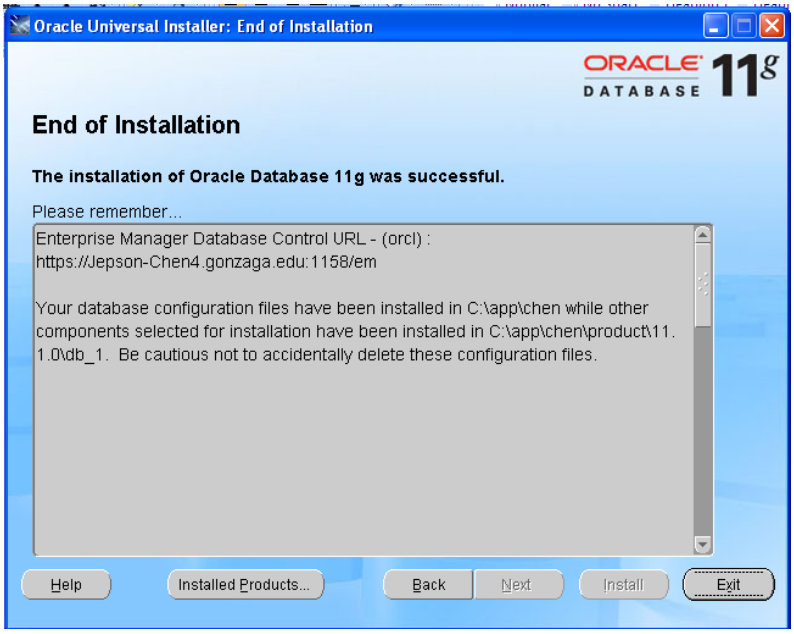
22. For this part just be patient while Oracle installs. You will be able to see the installation progress. The installation could take up to 30 minutes or more.



23. If this screen appears, click on ok.

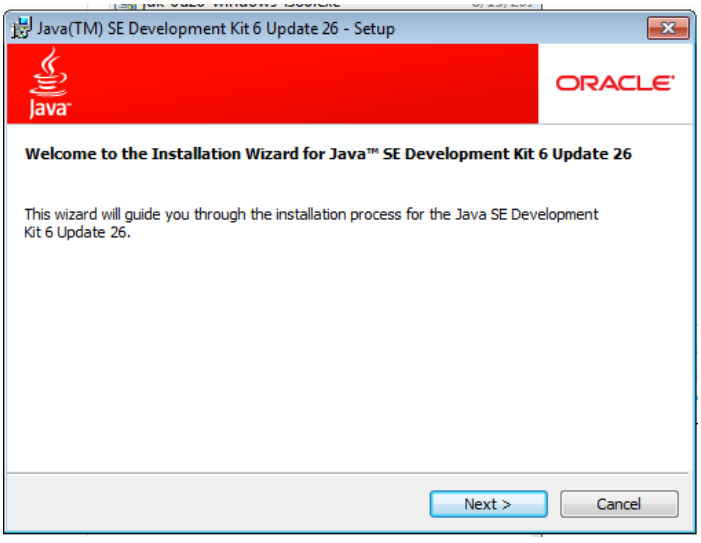


24. Then click on exit. **Your Oracle software is now installed**.

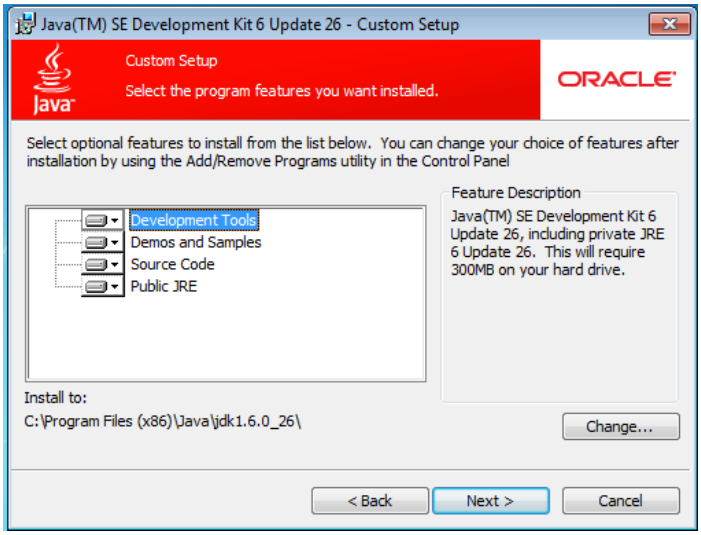


25. To be able to use **SQL Developer**, you need to install the Java Standard Development Kit (Java Platform JDK) for 32-bit Windows, even if you are running a 64-bit version of Windows. To do so, go to http://www.oracle.com/technetwork/java/javase/downloads/jdk6u35-downloads-1836443.html (or on Google search type "java jdk download", then select "Java SE Downloads" and then click on "JDK Downloads". Finally, you should download the version with "Windows x86" – 32-bit version). First click on the Accept License Agreement button, then scroll down the page to locate the Windows x86 version of the JDK program and download it. If this link changes, search for Java Platform JDK and follow the same steps making sure the x86 or 32-bit version is used.

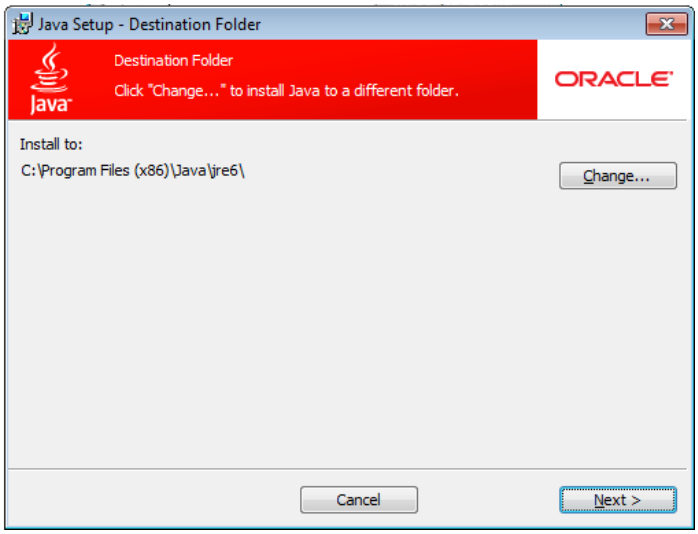
26. Run the downloaded JDK setup file and click Next.



27. On this screen, make sure you want to install the program on the C drive as default. If not you can simply give it a different destination. However it is advised to leave it as is and click next.

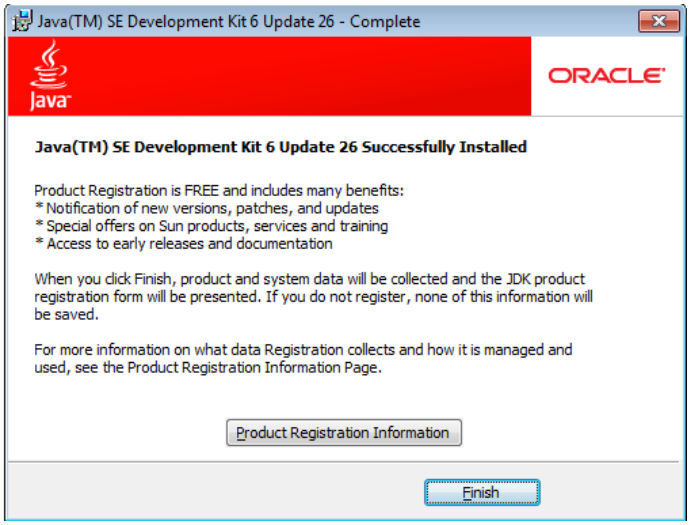


28. The program will now start installing. The next screen will prompt you if you want to install the JRE component on the C drive as well or not. It is recommended to install both the JDK and JRE components on the C drive. Click Next.

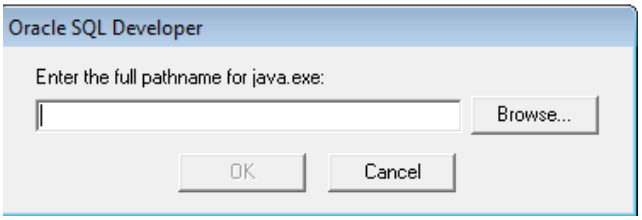


29. The program will continue its installation. Just click Finish when you get this screen. Now Java Development Kit is installed. Once you click the Finish button, your internet browser will be automatically opened, allowing you to register your program. You have the choice of either

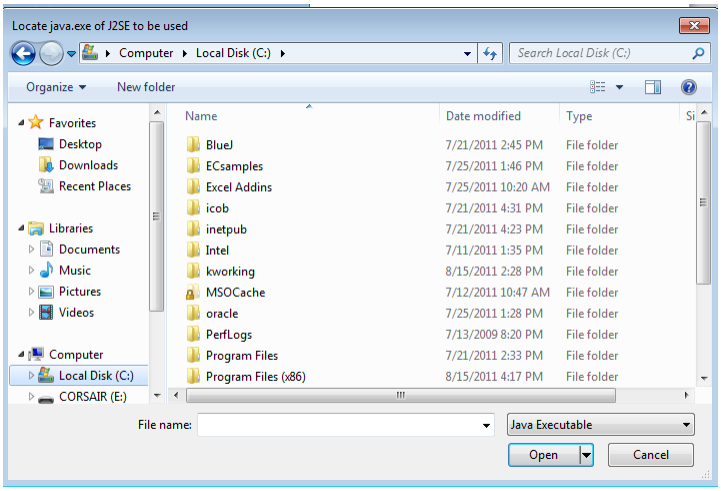
registering or not.

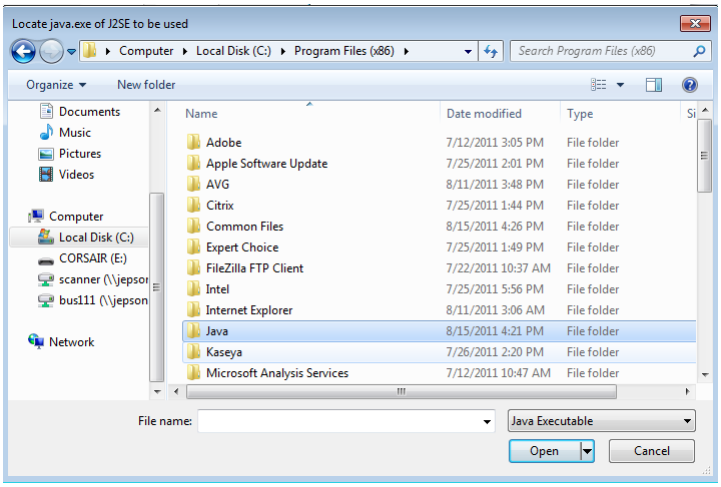


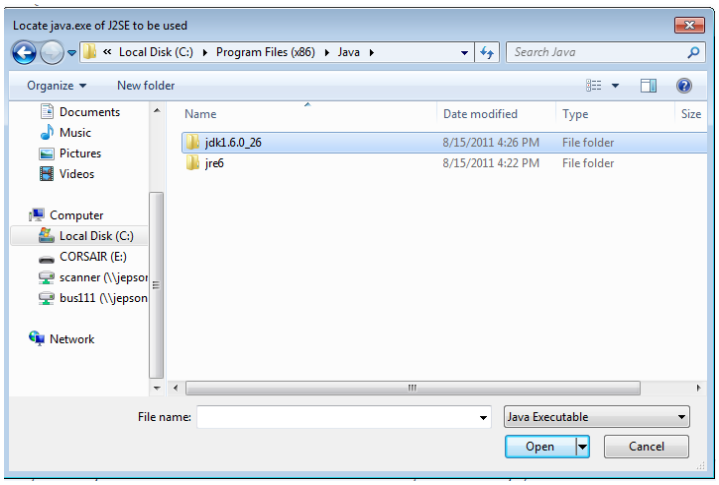
30. **Now run SQL Developer**. You will be prompted to enter the pathname for your newly installed Java JDK program. If the program was installed in C and you run a 64-bit version of Windows, the destination will be as follows: C:\Program Files (x86)\Java\jdk1.6.0_26\bin\java.exe. If not you click Browse and find the Java program yourself, just make sure you point to the JDK version not the JRE.

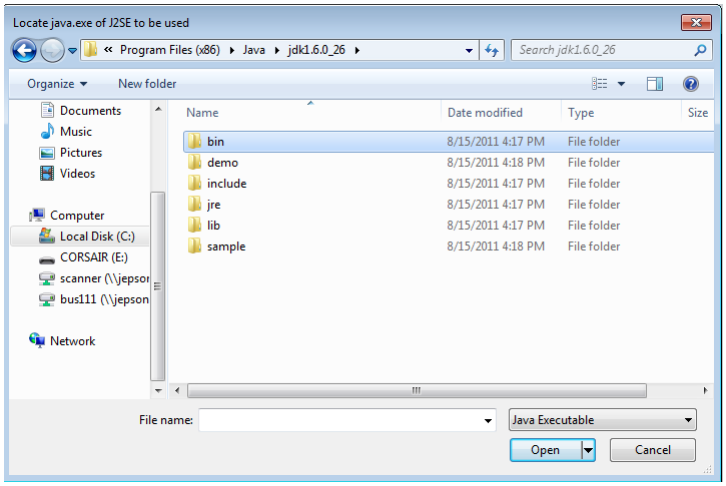


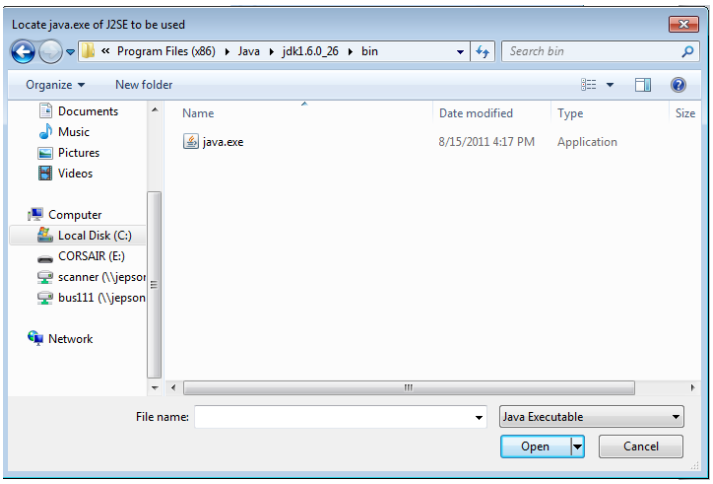
31. The Browse sequence should be as follows: Go to Computer -> Local Disk (C:) -> Program Files (x86) -> Java -> jdk1.6.0_26 -> bin -> click on Java and then click Open.




Locate java.exe of J2SE to be used
Computer ▸ Local Disk (C:) ▸ Program Files (x86) ▸
Search Program Files (x86)
Organize
New folder
Documents
Music
Pictures
Videos
Computer
Local Disk (C:)
CORSAIR (E:)
scanner (\\jepson
bus111 (\\jepson
Network
Name
Date modified
Type
Adobe 7/12/2011 3:05 PM File folder
Apple Software Update 7/25/2011 2:01 PM File folder
AVG 8/11/2011 3:48 PM File folder
Citrix 7/25/2011 1:44 PM File folder
Common Files 8/15/2011 4:26 PM File folder
Expert Choice 7/25/2011 1:49 PM File folder
FileZilla FTP Client 7/22/2011 10:37 AM File folder
Intel 7/25/2011 5:56 PM File folder
Internet Explorer 8/11/2011 3:06 AM File folder
Java 8/15/2011 4:21 PM File folder
Kaseya 7/26/2011 2:20 PM File folder
Microsoft Analysis Services 7/12/2011 10:47 AM File folder
File name:
Java Executable
Open
Cancel

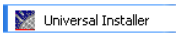

Locate java.exe of J2SE to be used
Local Disk (C:) ▸ Program Files (x86) ▸ Java ▸
Search Java
Organize
New folder
Documents
Music
Pictures
Videos
Computer
Local Disk (C:)
CORSAIR (E:)
scanner (\\jepson
bus111 (\\jepson
Network
Name
Date modified
Type
Size
jdk1.6.0_26 8/15/2011 4:26 PM File folder
jre6 8/15/2011 4:22 PM File folder
File name:
Java Executable
Open
Cancel


Locate java.exe of J2SE to be used
Program Files (x86) ▸ Java ▸ jdk1.6.0_26 ▸
Search jdk1.6.0_26
Organize
New folder
Documents
Music
Pictures
Videos
Computer
Local Disk (C:)
CORSAIR (E:)
scanner (\\jepson
bus111 (\\jepson
Network
Name
Date modified
Type
Size
bin 8/15/2011 4:17 PM File folder
demo 8/15/2011 4:18 PM File folder
include 8/15/2011 4:17 PM File folder
jre 8/15/2011 4:17 PM File folder
lib 8/15/2011 4:17 PM File folder
sample 8/15/2011 4:18 PM File folder
File name:
Java Executable
Open
Cancel



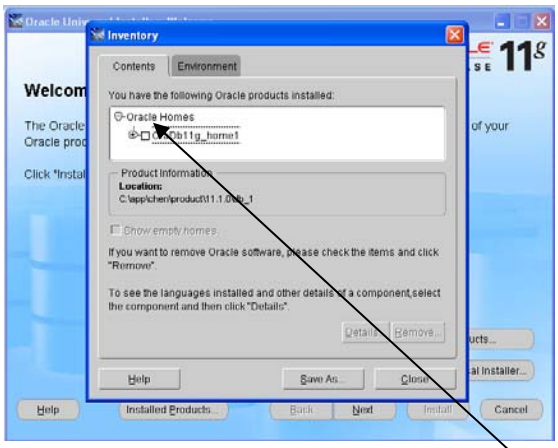
PART II. Un-installing Oracle® 11g

1. Go to the start menu, “All Programs”,” Oracle” or “Oracle – OraDb11g_home1”.

2. Under that choose “Oracle Installation Products”. Under that click on Universal Installer. The icon will look like this. 

3. This will open the Oracle Universal Installer.

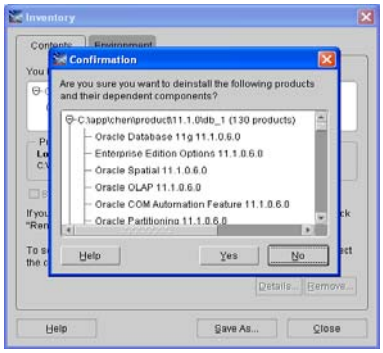
4. Click on Deinstall Products here! The following window will open on top.



5. Click on the small tick-box next to “OraDb11g_home1”.

6. Now the remove button will be visible. Simply click on remove.

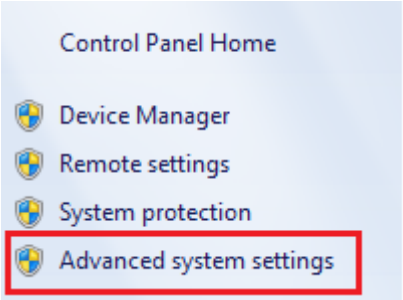
7. This confirmation window will open on top as shown. Click on Yes, which will start the uninstall sequence automatically.



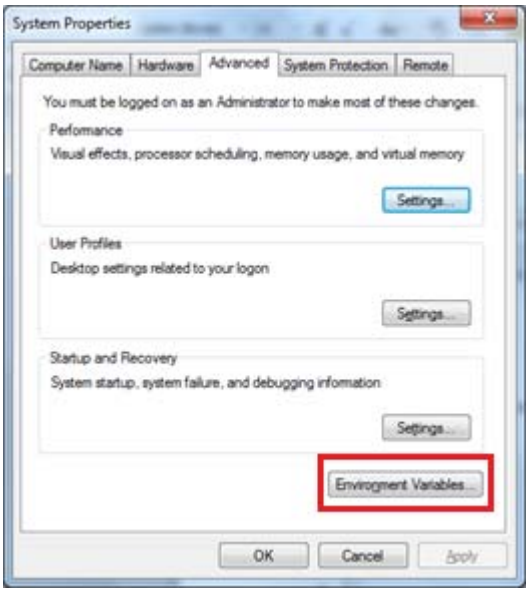
8. After the uninstall is complete, just click exit the Installer and you are done.

Part III. Everything is set up correctly (?) but it still doesn't run!

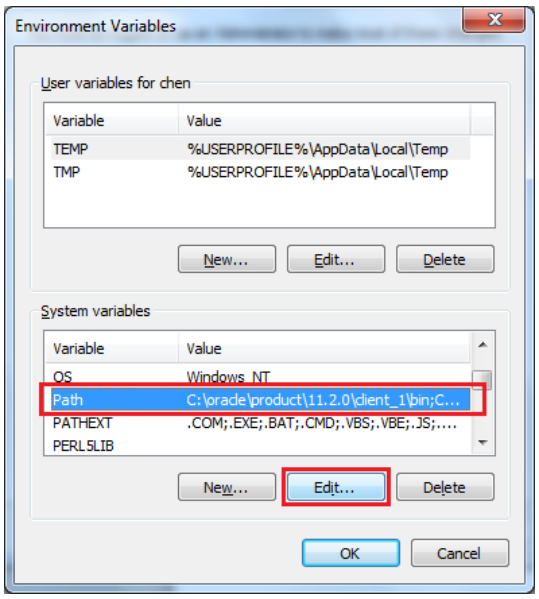
1. An issue some students have come across is that their computer's Environment Variables are not set up correctly. Here we will be adding java.exe to our environment variables.
2. Go to Computer, right-click the window and click Properties.
3. On the window that opens, click Advanced System Settings at the left of the screen.



4. On the new window, click on Environment Variables.

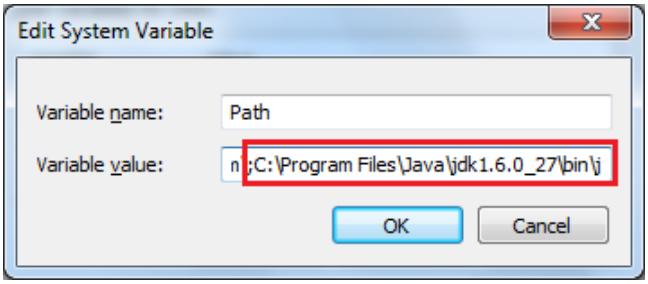


5. On this new window, under "System Variables" search for the variable called "Path." Click on it and click Edit.



6. At the end of the Variable Value field, add the following path, but modified to fit your computer:
   ;C:\Program Files\Java\jdk1.6.0_27\bin\java.exe
   The computer this was written on has its java.exe located at that path. Your computer might be different.

   NOTE: Make sure you do not delete the other values in "Variable Value" and that your new value is separated from the rest with a semicolon.



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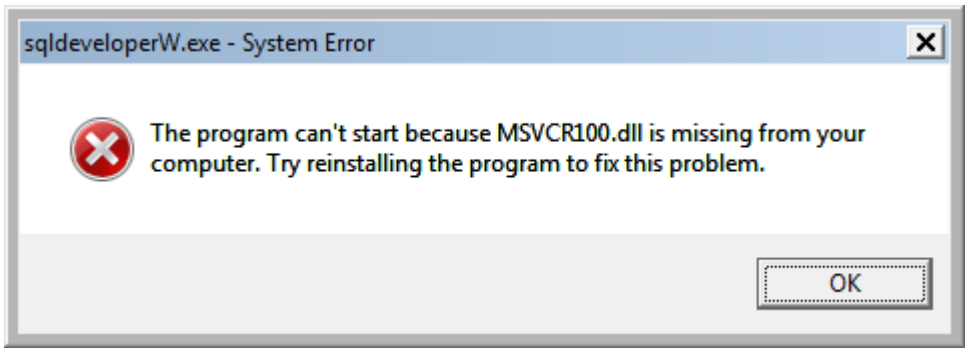
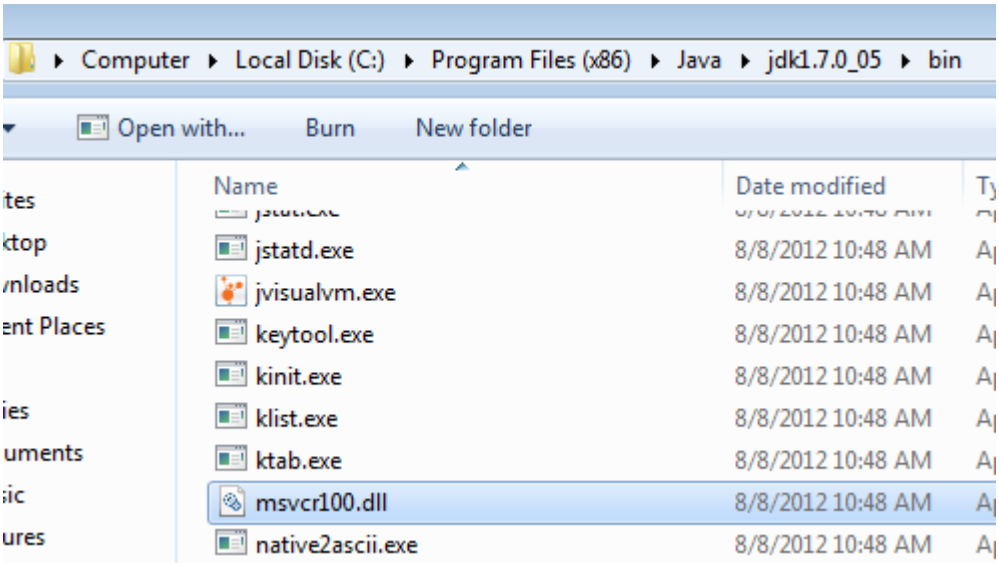
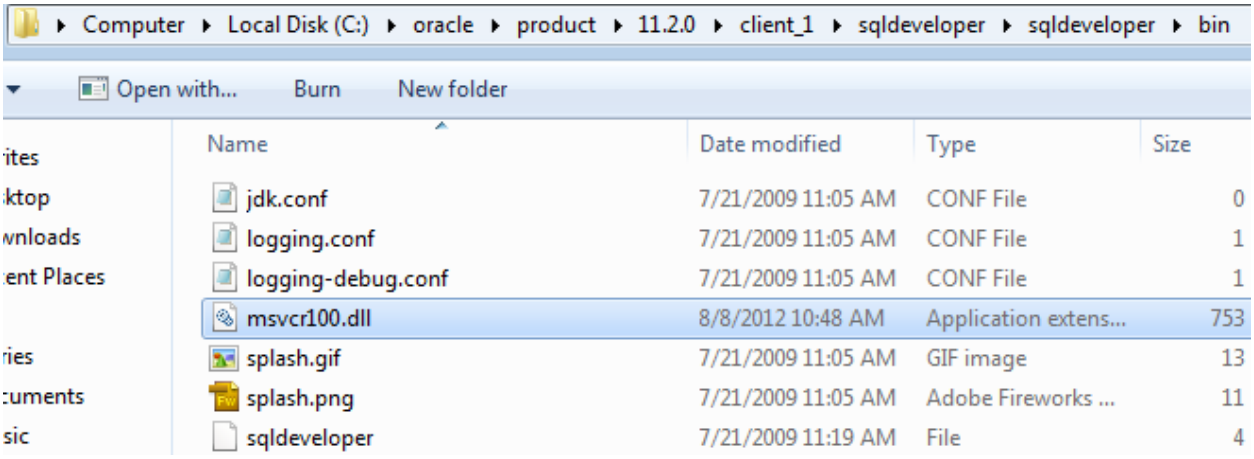
1. With some versions of Java, SQL Developer will not start unless certain files are added into its folder.
2. When setting up SQL Developer, after putting in the path to the java.exe, you might get the following error.



3. If that is the case, the **msvcr100.dll** file must be recovered from the following path:
C:\Program Files (x86)\Java\jdk1.7.0_05\bin



4. Copy the file and paste it in the following folder:
C:\oracle\product\11.2.0\client_1\sqldeveloper\sqldeveloper\bin



5. This should solve any issues opening SQL Developer.

6. If the path is imputed correctly in step 1, and needs to be changed, it can be done so in the **sqldeveloper.conf** file in the following folder (same folder as step 3):
C:\oracle\product\11.2.0\client_1\sqldeveloper\sqldeveloper\bin\sqldeveloper.conf

```
1  IncludeConfFile ../../ide/bin/ide.conf
2
3  AddVMOption  -Dapple.laf.useScreenMenuBar=true
4  AddVMOption  -Dcom.apple.mrj.application.apple.menu.about.name="SQL_Developer"
5  AddVMOption  -Dcom.apple.mrj.application.growbox.intrudes=false
6  AddVMOption  -Dcom.apple.macos.smallTabs=true
7  AddVMOption  -Doracle.ide.util.AddinPolicyUtils.OVERRIDE_FLAG=true
8
9  AddVMOption -Dsun.java2d.ddoffscreen=false
10
11 AddVMOption -Dwindows.shell.font.languages=
12
13 AddVMOption  -XX:MaxPermSize=128M
14
15
16 IncludeConfFile  sqldeveloper-nondebug.conf
17
18 SetJavaHome C:\Program Files (x86)\Java\jdk1.7.0_05
19
```

7. The path to be changed can be seen highlighted above. If the highlighted path is deleted and the document is saved, SQL Developer will ask for the path again on start up.

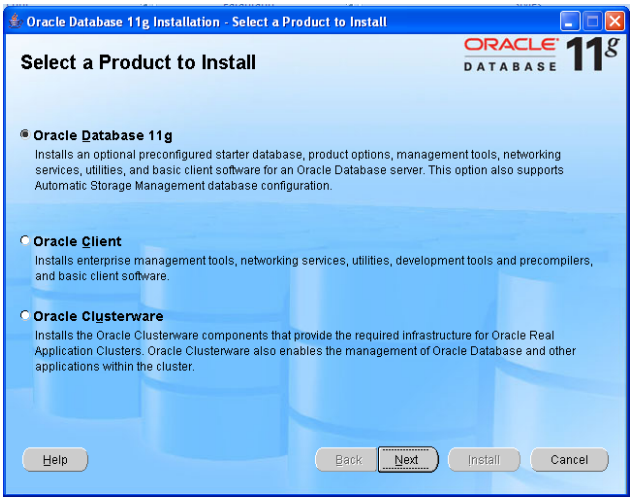
PART IV. Installing Oracle® 11g from book DVD

1. Insert the Oracle 11g installation disk into your DVD drive.

2. Open or explore your DVD drive.

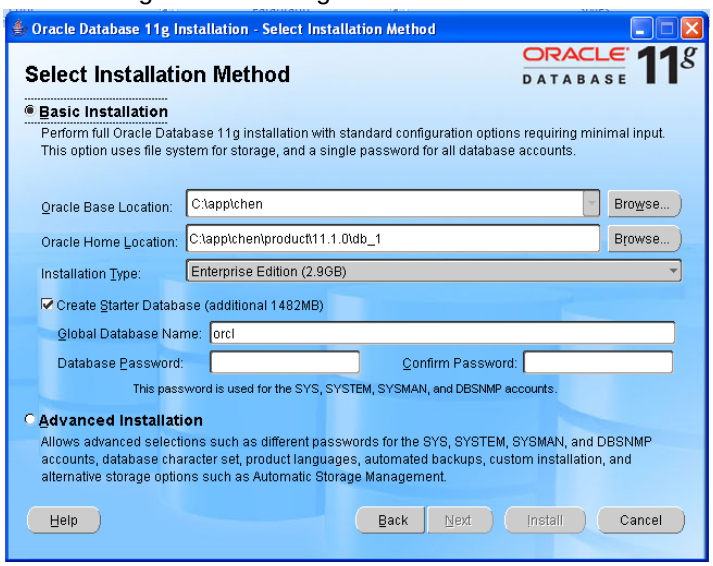
3. To start the installation process double click on the setup.exe icon that looks like this:

4. A command prompt window will open up asking you to wait, then this window will appear.



5. Choose the Oracle Database 11g button and click on next.

6. You will get the following screen:



Make sure the basic installation button is chosen.

7. Select where on your hard disk will the installation files and program will be saved. This version of Oracle needs at least 300 MB of free space in the C drive and a minimum of 3 GB of free space in another drive. If you have enough space for both just install it all in the C drive.

8. Make sure that under Installation type, Enterprise Edition (2.96 GB) is selected.

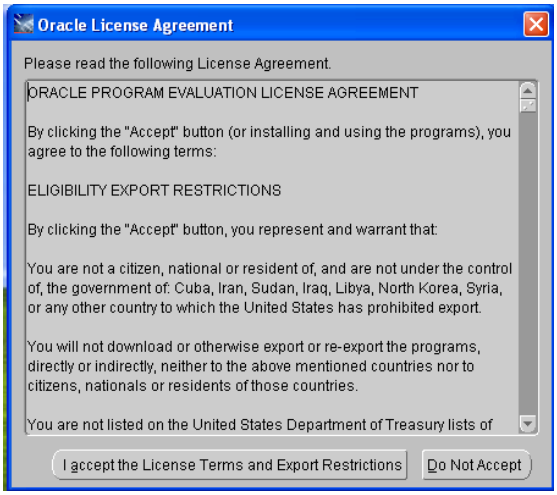
9. Leave the “Create Starter Database (additional 1482 MB)” marked.

10. One of the most important fields to fill is the “Database Password”. This will be your main password for accessing the software. So enter the password of your choice in both the “Database Password” and “Confirm Password” fields, but make sure to remember it. (A good

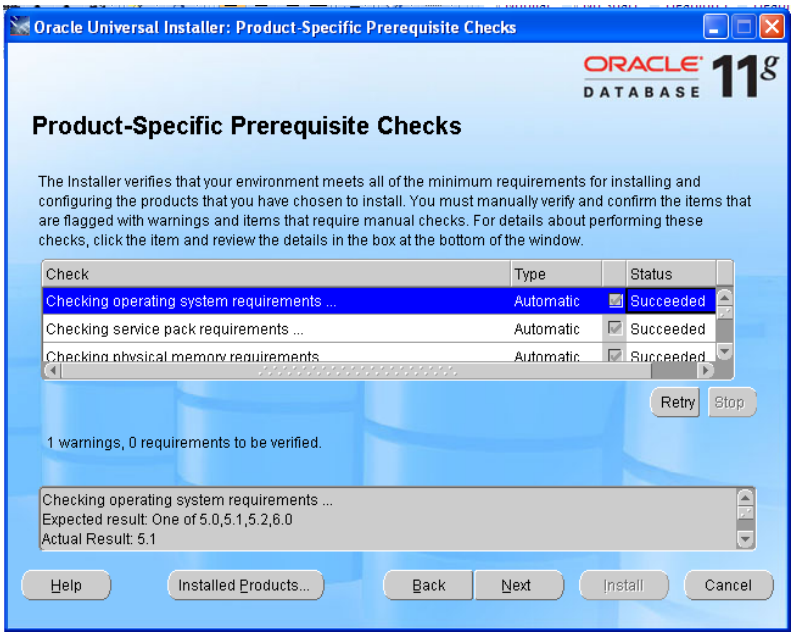
password to use is admin if this is your own personal computer that no one else uses). The user names are already predefined as SYS, SYSTEM or SYSMAN. Again, you need to remember those in order to be able to gain access into Oracle after installation.

11. After you're done with steps 6-10, click next.

12. Click on "I accept the License Terms and Export Restrictions" to continue.



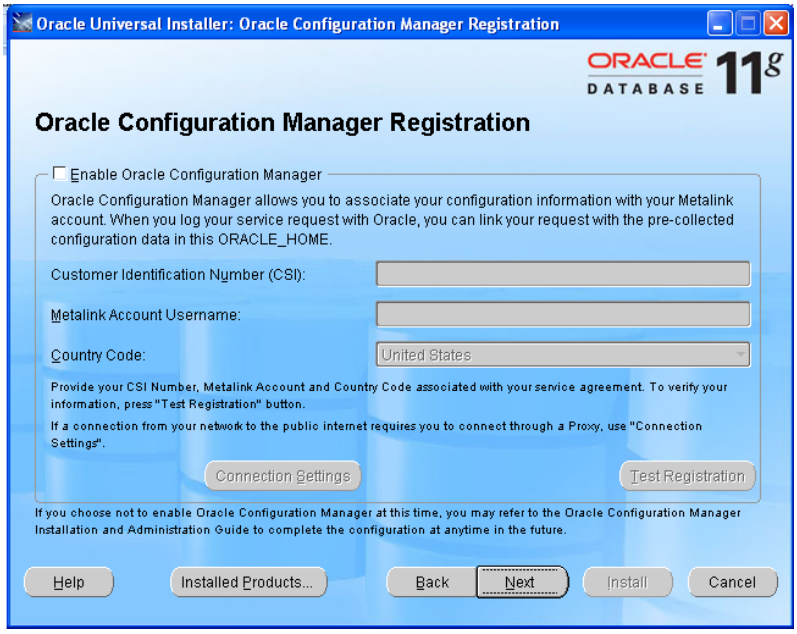
13. The following screen is where the Oracle Installer checks for its requirements. Hopefully you'll have all the statuses of the checks as succeeded. If not check each warning or failure and see why you're getting that status. For example, if you have memory (RAM) on your computer of less than 1 GB, you will get a notification as this is the minimum requirement.



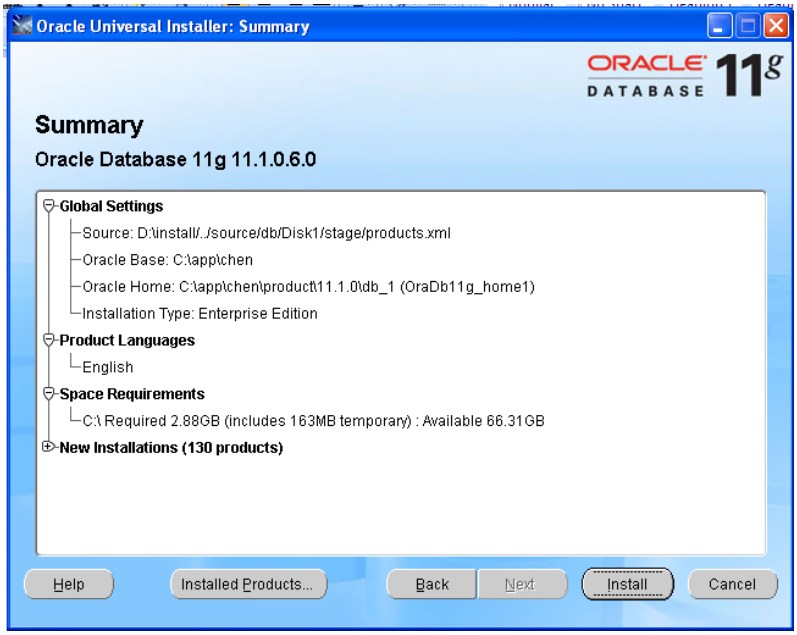
14. Assuming everything succeeded, now click on next to continue. This installation needs to also install java as one of its components so if you get a message asking to either block or unblock,

choose unblock.

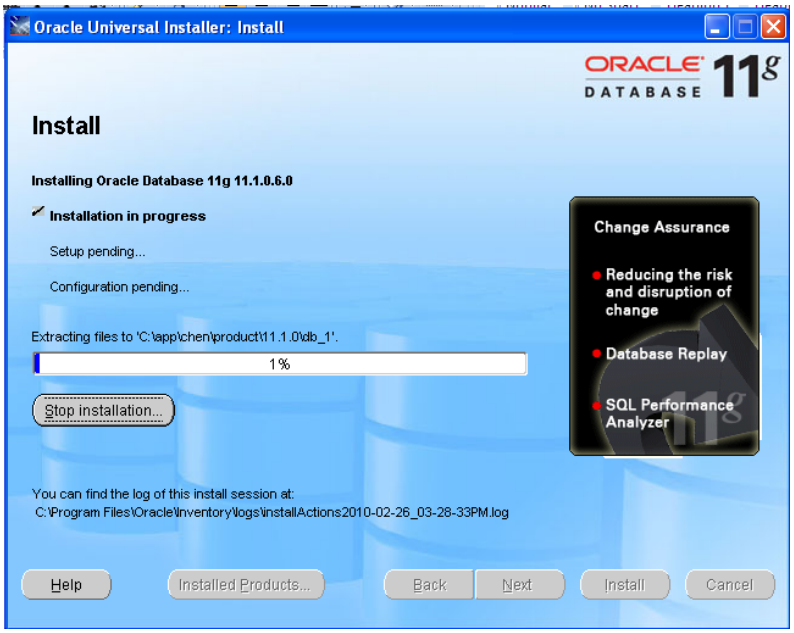
15. You will get the following screen, make sure to keep the “Enable Oracle Configuration Manager” unmarked, then click next.



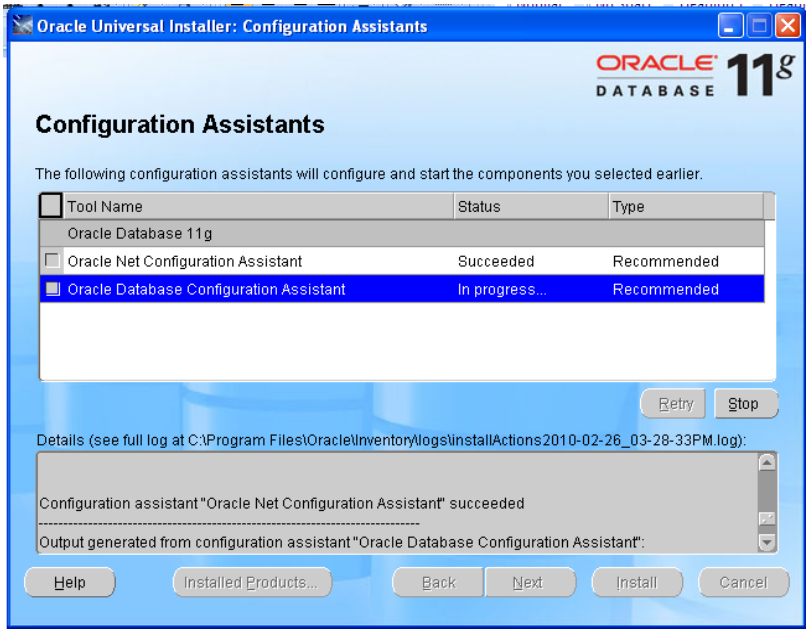
16. This screen shows a summary of the settings chosen and so forth. Click on install to start the actual installation.

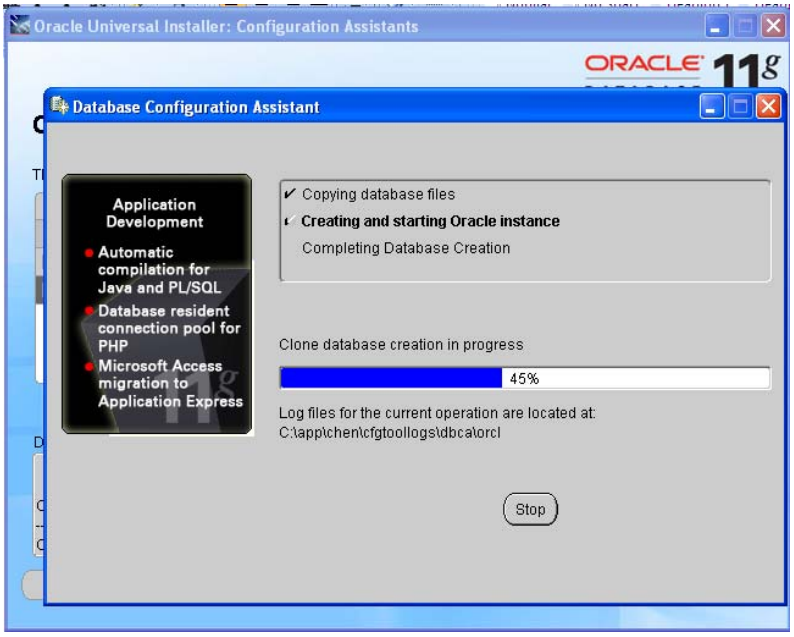


17. For this part just be patient while Oracle installs. You will be able to see the installation progress.

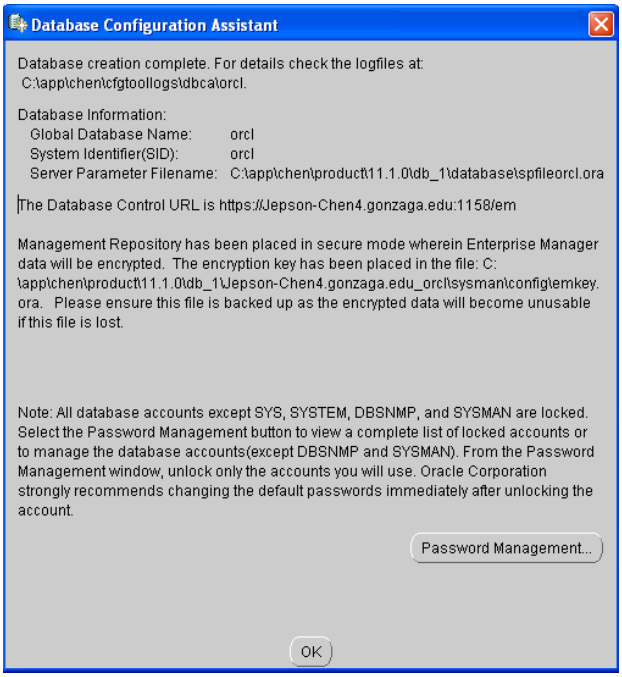


18. You will get screens like the following two don't be alarmed, it will just continue installing automatically.

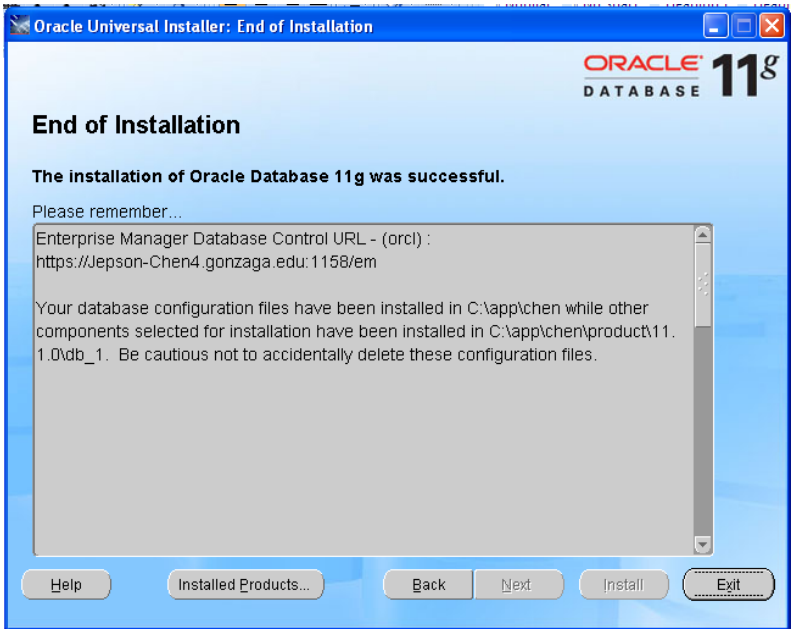




19. When this screen appears click on ok.

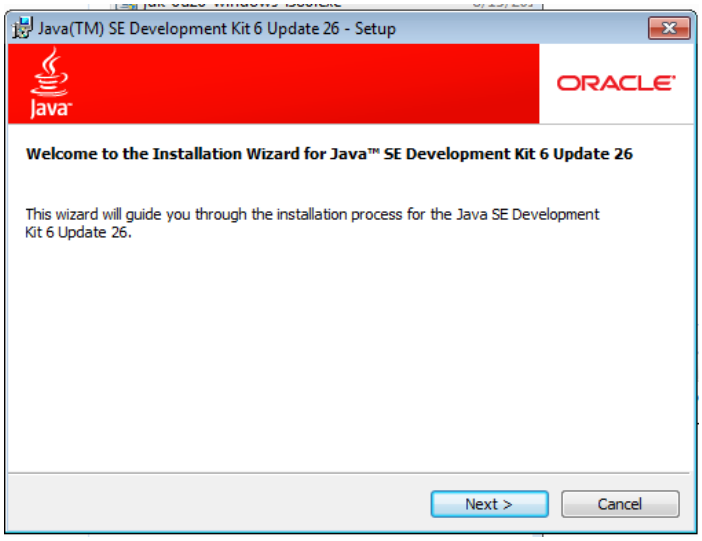


20. Then click on exit. **Your Oracle software is now installed**.

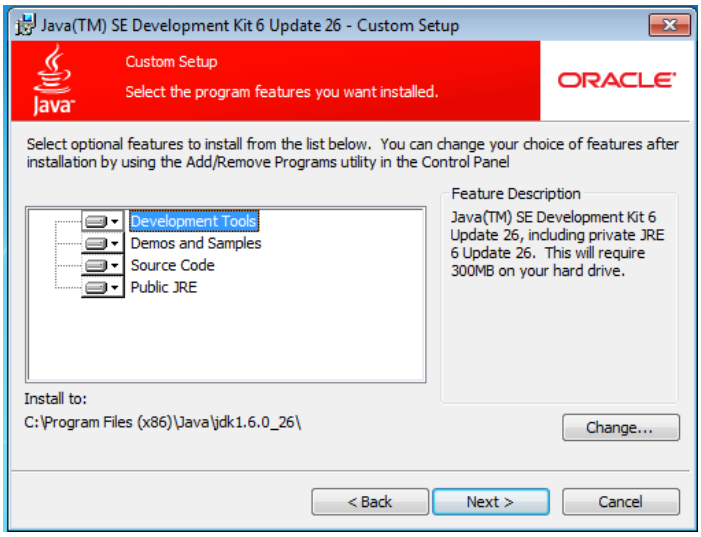


21. To be able to use SQL Developer, you need to install the Java Standard Development Kit (Java Platform JDK) for 32-bit Windows, even if you are running a 64-bit version of Windows. To do so, go to http://www.oracle.com/technetwork/java/javase/downloads/jdk6u35-downloads-1836443.html (or on Google search type "java sdk download", then select "Java SE Downloads" and then click on "JDK Downloads". Finally, you should download the version with "Windows x86" – 32-bit version). First click on the Accept License Agreement button, then scroll down the page to locate the Windows x86 version of the JDK program and download it. If this link changes, search for Java Platform JDK and follow the same steps making sure the x86 or 32-bit version is used.

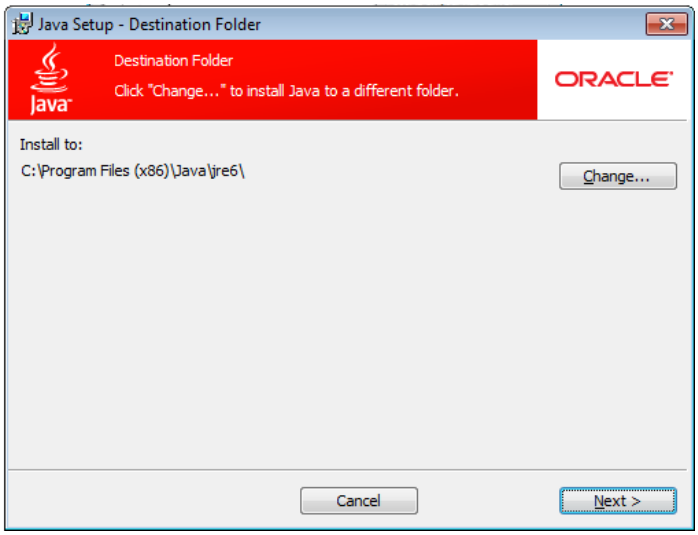
22. Run the downloaded JDK setup file and click Next.



23. On this screen, make sure you want to install the program on the C drive as default. If not you can simply give it a different destination. However it is advised to leave it as is and click next.

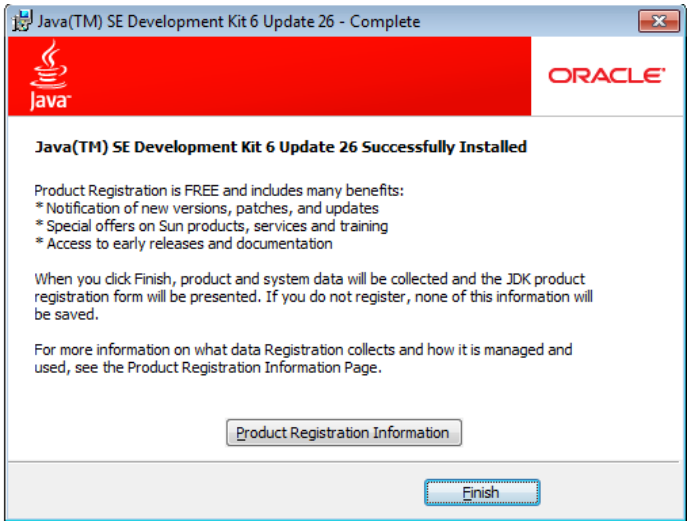


24. The program will now start installing. The next screen will prompt you if you want to install the JRE component on the C drive as well or not. It is recommended to install both the JDK and JRE components on the C drive. Click Next.

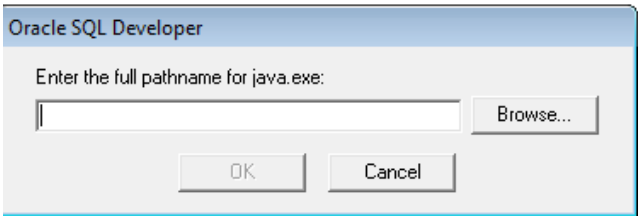


25. The program will continue its installation. Just click Finish when you get this screen. Now Java Development Kit is installed. Once you click the Finish button, your internet browser will be automatically opened, allowing you to register your program. You have the choice of either

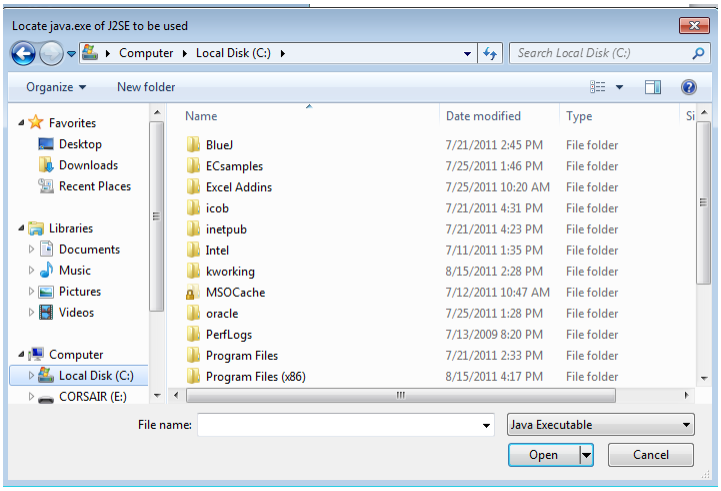
registering or not.

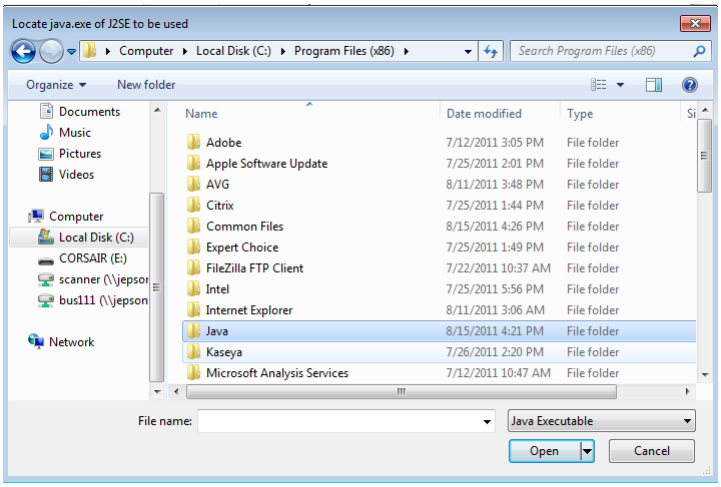


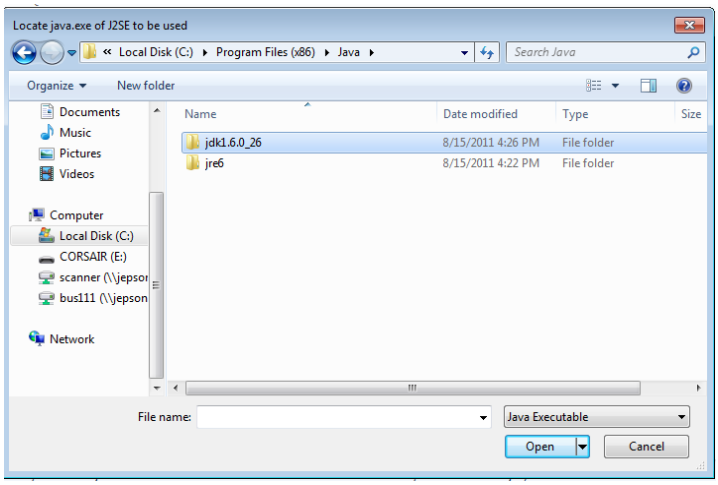
26. **<u>Now run SQL Developer</u>**. You will be prompted to enter the pathname for your newly installed Java JDK program. If the program was installed in C and you run a 64-bit version of Windows, the destination will be as follows: C:\Program Files (x86)\Java\jdk1.6.0_26\bin\java.exe. If not you click Browse and find the Java program yourself, just make sure you point to the JDK version not the JRE.

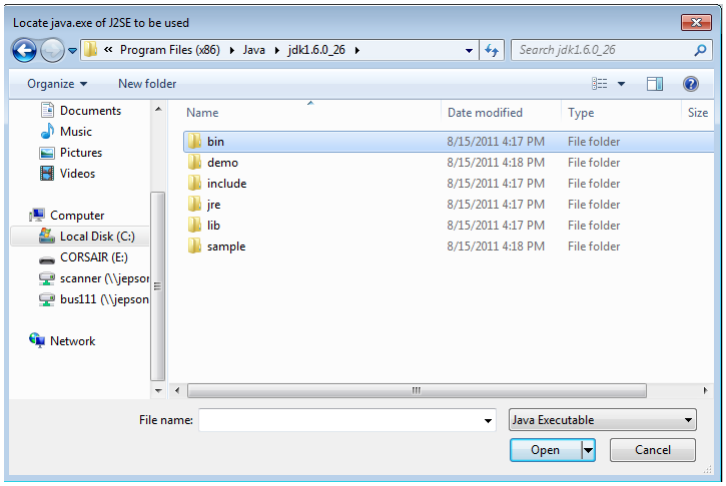


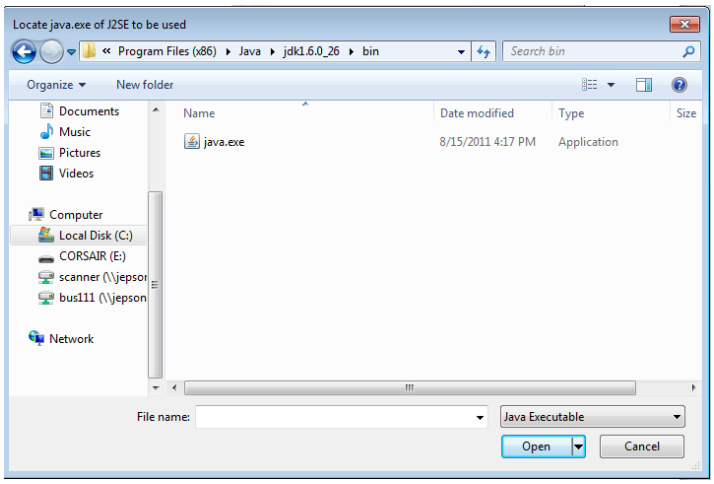
27. The Browse sequence should be as follows: Go to Computer -> Local Disk (C:) -> Program Files (x86) -> Java -> jdk1.6.0_26 -> bin -> click on Java and then click Open.




Locate java.exe of J2SE to be used
Computer ▸ Local Disk (C:) ▸ Program Files (x86) ▸
Search Program Files (x86)
Organize
New folder
Documents
Music
Pictures
Videos
Computer
Local Disk (C:)
CORSAIR (E:)
scanner (\\jepson
bus111 (\\jepson
Network
Name
Date modified
Type
Adobe 7/12/2011 3:05 PM File folder
Apple Software Update 7/25/2011 2:01 PM File folder
AVG 8/11/2011 3:48 PM File folder
Citrix 7/25/2011 1:44 PM File folder
Common Files 8/15/2011 4:26 PM File folder
Expert Choice 7/25/2011 1:49 PM File folder
FileZilla FTP Client 7/22/2011 10:37 AM File folder
Intel 7/25/2011 5:56 PM File folder
Internet Explorer 8/11/2011 3:06 AM File folder
Java 8/15/2011 4:21 PM File folder
Kaseya 7/26/2011 2:20 PM File folder
Microsoft Analysis Services 7/12/2011 10:47 AM File folder
File name:
Java Executable
Open
Cancel


Locate java.exe of J2SE to be used
« Local Disk (C:) ▸ Program Files (x86) ▸ Java ▸
Search Java
Organize
New folder
Documents
Music
Pictures
Videos
Computer
Local Disk (C:)
CORSAIR (E:)
scanner (\\jepson
bus111 (\\jepson
Network
Name
Date modified
Type
Size
jdk1.6.0_26 8/15/2011 4:26 PM File folder
jre6 8/15/2011 4:22 PM File folder
File name:
Java Executable
Open
Cancel


Locate java.exe of J2SE to be used
« Program Files (x86) ▸ Java ▸ jdk1.6.0_26 ▸
Search jdk1.6.0_26
Organize
New folder
Documents
Music
Pictures
Videos
Computer
Local Disk (C:)
CORSAIR (E:)
scanner (\\jepson
bus111 (\\jepson
Network
Name
Date modified
Type
Size
bin 8/15/2011 4:17 PM File folder
demo 8/15/2011 4:18 PM File folder
include 8/15/2011 4:17 PM File folder
jre 8/15/2011 4:17 PM File folder
lib 8/15/2011 4:17 PM File folder
sample 8/15/2011 4:18 PM File folder
File name:
Java Executable
Open
Cancel


Locate java.exe of J2SE to be used
« Program Files (x86) ▸ Java ▸ jdk1.6.0_26 ▸ bin
Search bin
Organize
New folder
Documents
Music
Pictures
Videos
Computer
Local Disk (C:)
CORSAIR (E:)
scanner (\\jepson
bus111 (\\jepson
Network
Name
Date modified
Type
Size
java.exe
8/15/2011 4:17 PM
Application
File name:
Java Executable
Open
Cancel