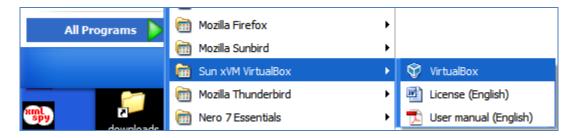
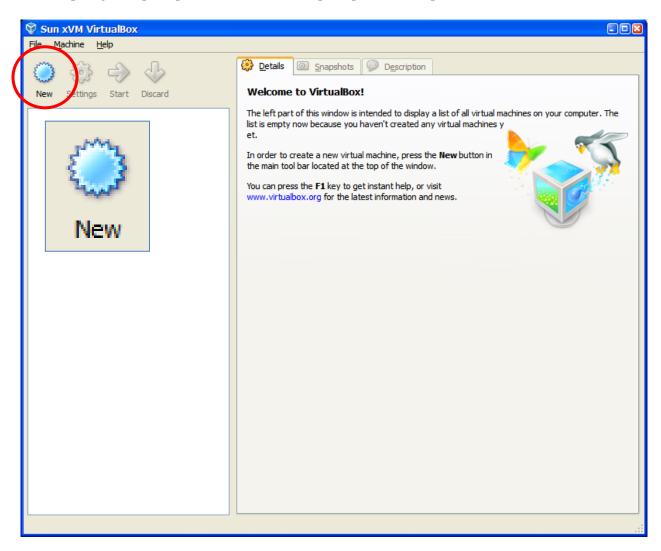
Start Virtual Box first.



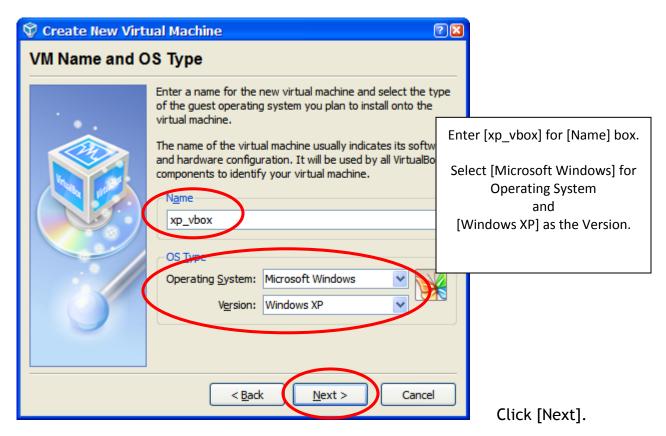
Select [Programs] → [Sun xVM VirtualBox] → [VirtualBox].

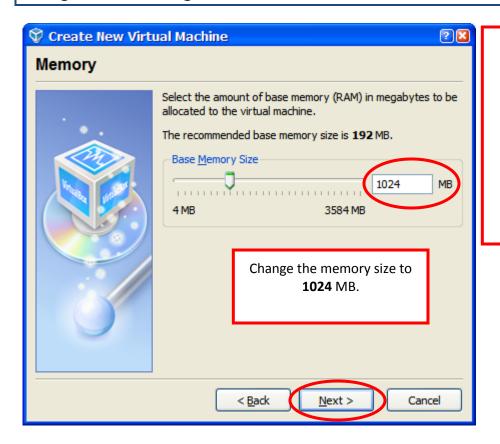


Create a new virtual machine. Click [New]. It is going to define some settings of the machine.



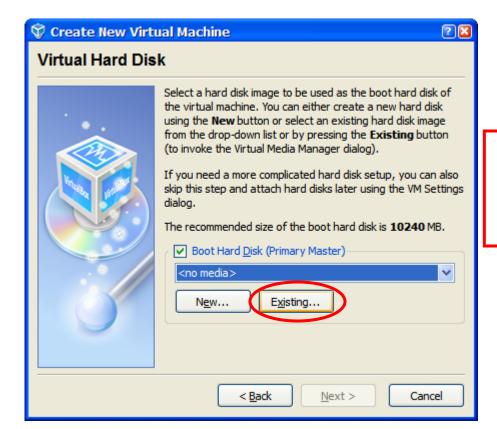
Click [Next]





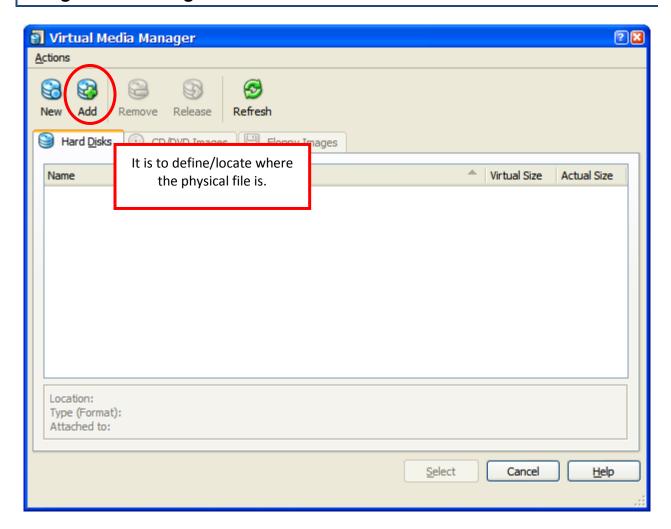
It is recommended to have at least ONE GB memory size to run the virtual machine. If you don't have sufficient memory, please try to upgrade it. If not, don't use it.

Click [Next].

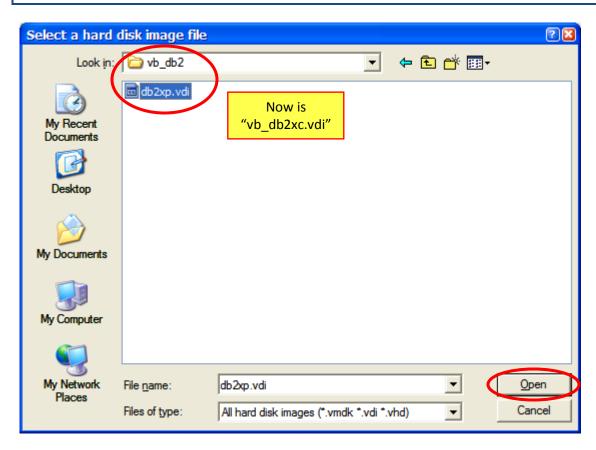


Here, we create or define the physical file storing the virtual machine.

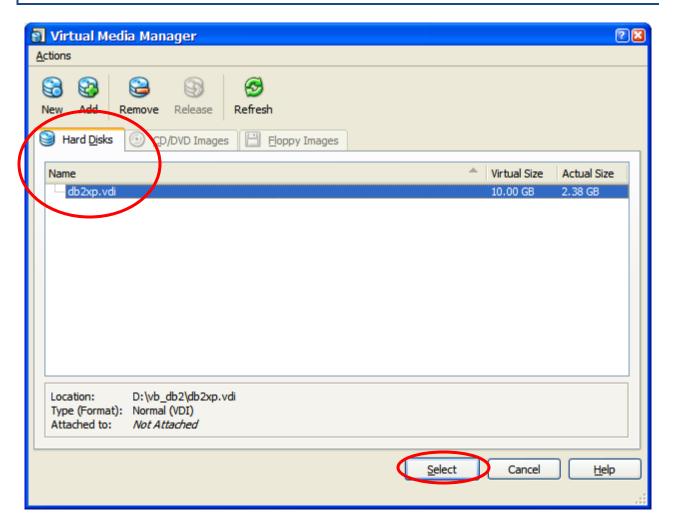
Click [Existing...].



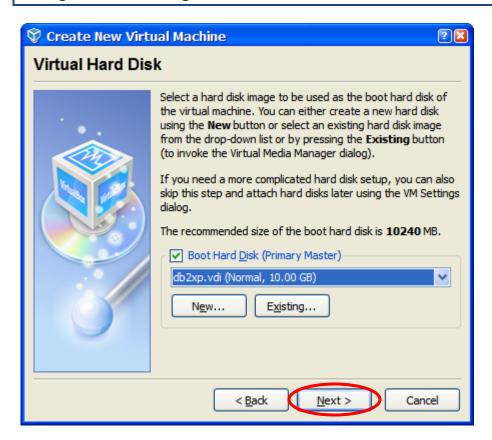
Click [Add].



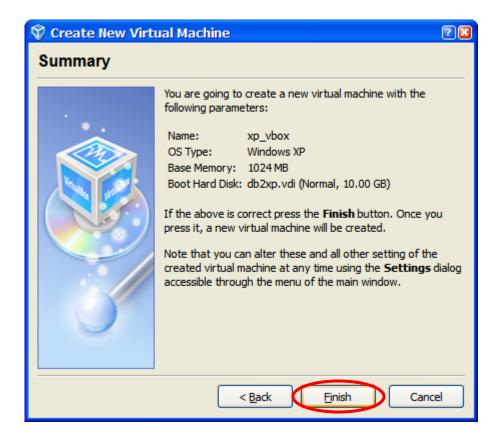
Locate where the [vdi] file is (location where you have copied the file). Click [Open].



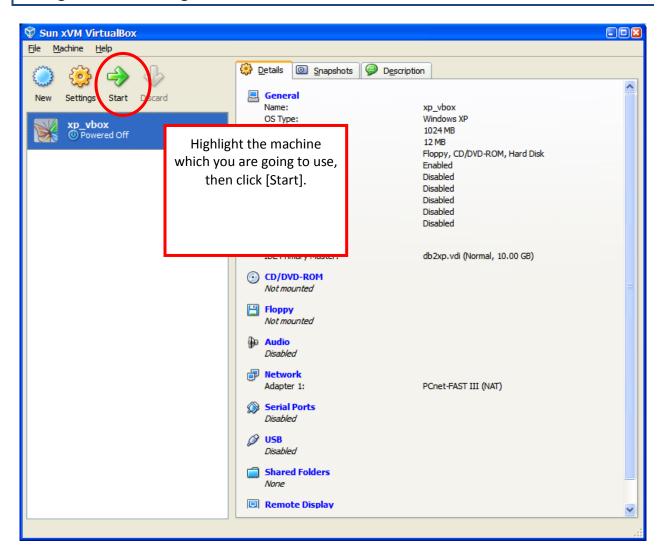
Click [Select].



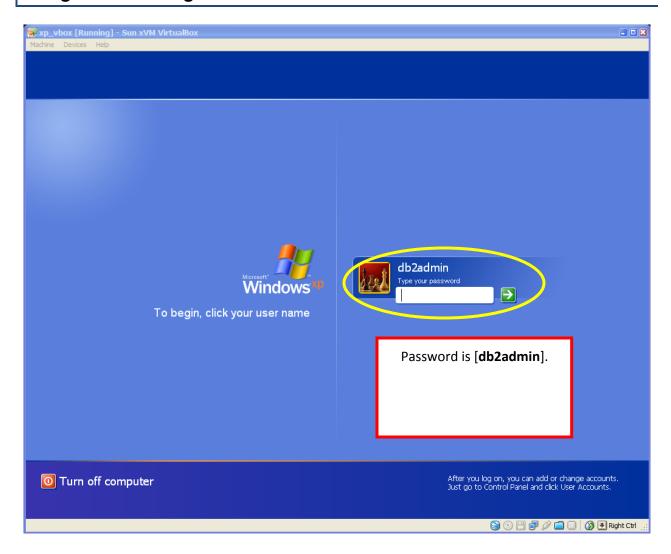
Click [Next].



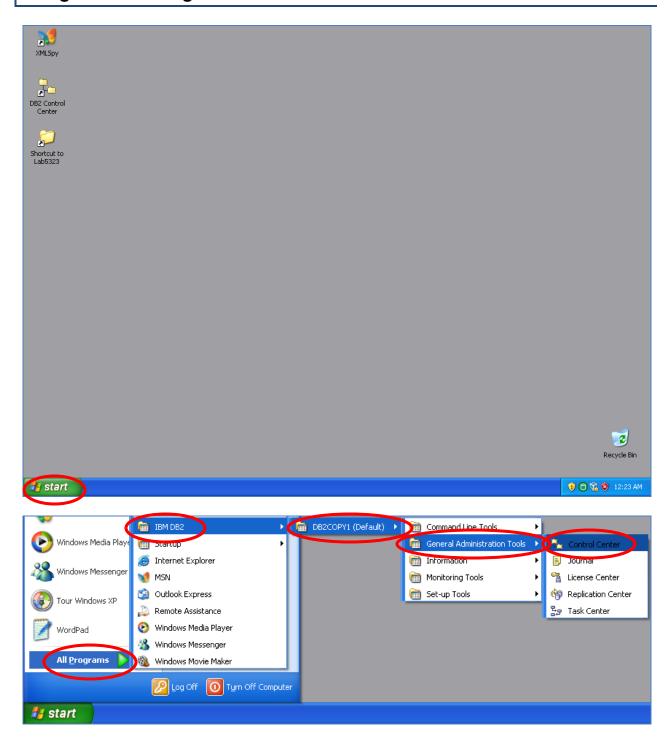
Click [Finish].



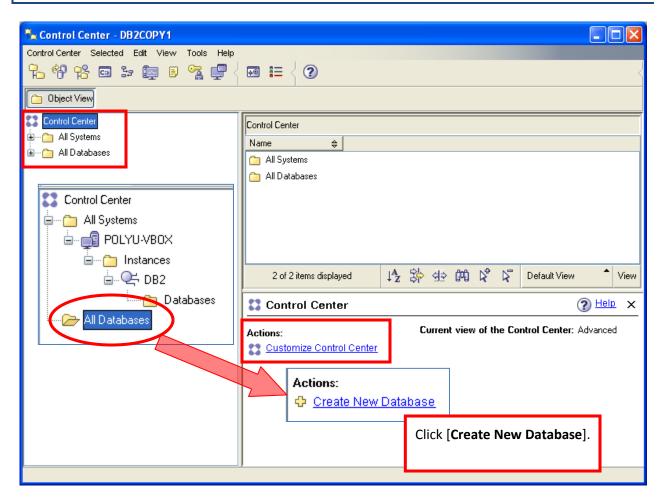
Now, it is ready to run the virtual machine. Simply click [Start], then you can use the virtual machine.



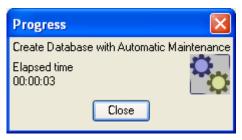
Enter the password, [db2admin] to start the machine.



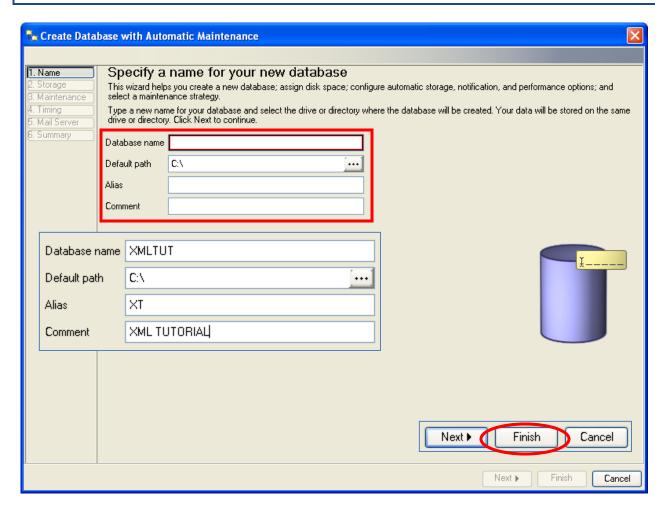
Select [Programs] → [IBM DB2] → [DB2COPY1 (Default)] → → [General Administration Tools] → [Control Center].



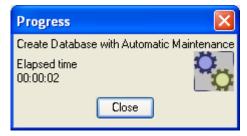
Well, we are now in the [Control Center]. Place the pointer on [All Databases], then in the [Actions:] box, [Customize Control Center] changes to [Create New Database]. Click on it to create our database.



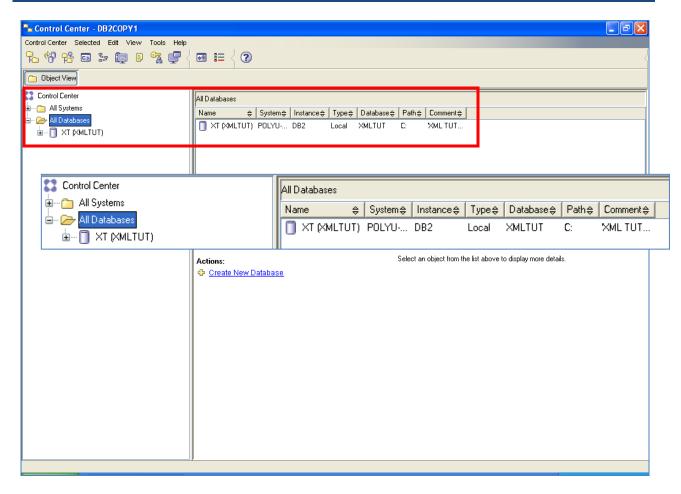
Creation of new database is being processed.



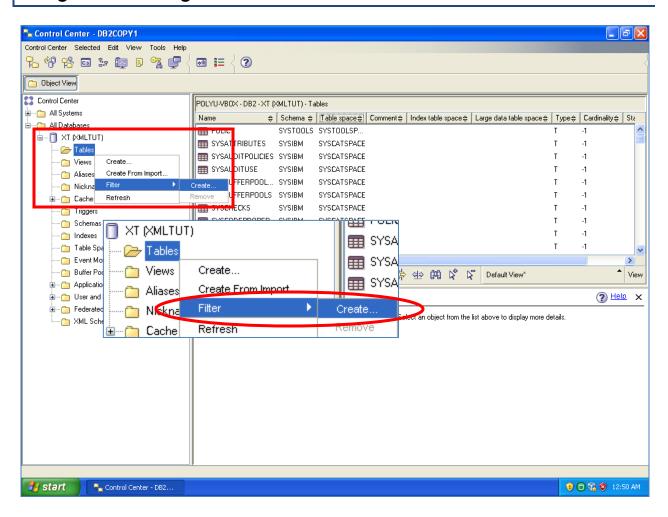
Enter details about the database as above then click [Finish].



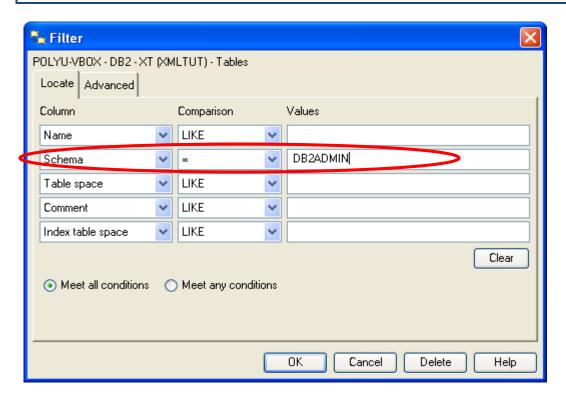
Finally, the database file is being created.



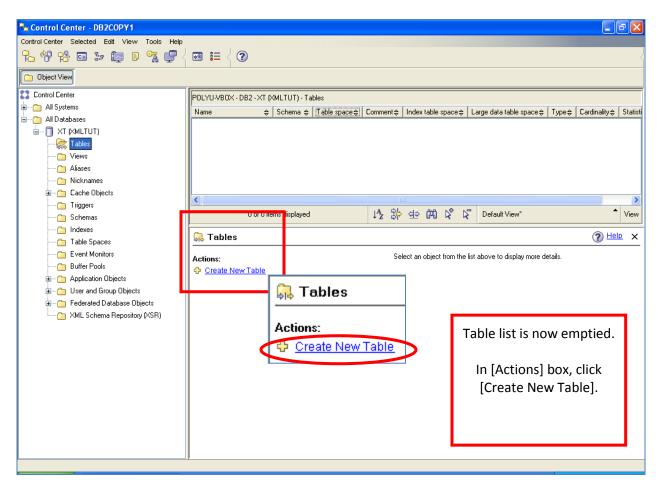
Now, you can see your database created.

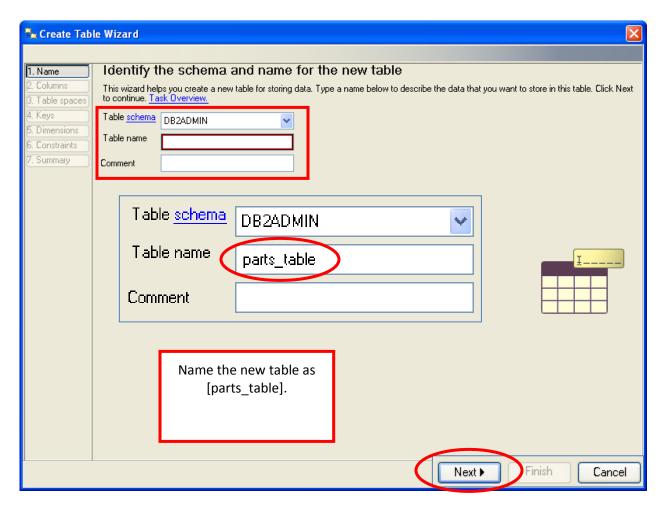


Expand the database, choose [Tables]. Right click on it and choose [Filter] → [Create...].

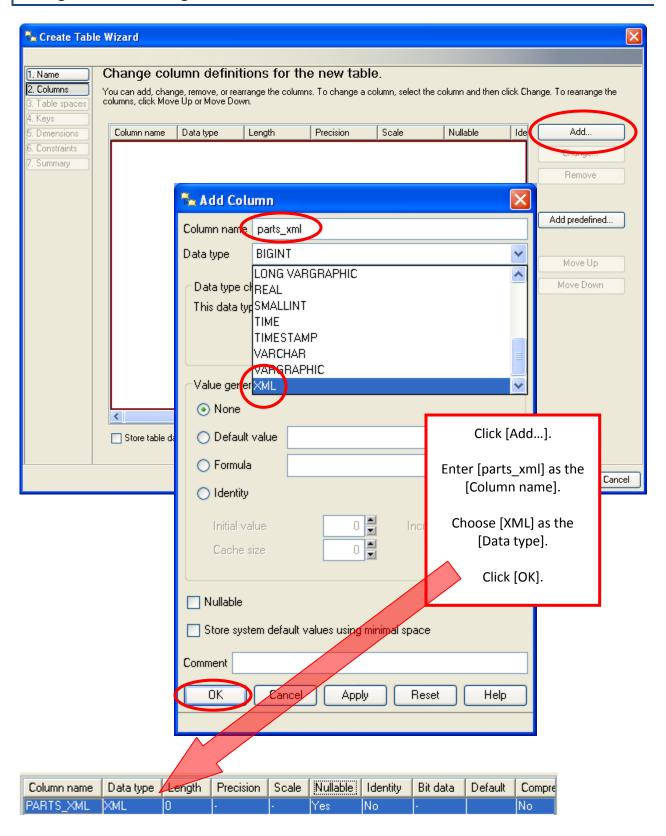


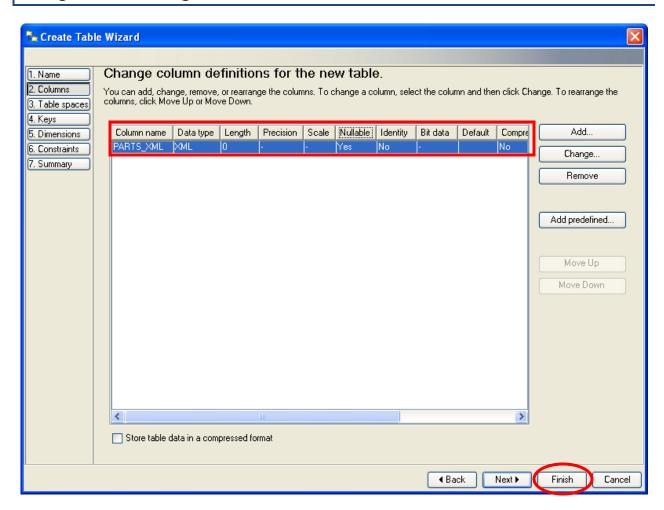
For [Schema], use [=] in [Comparison] and enter [db2admin] in the [Values] box.



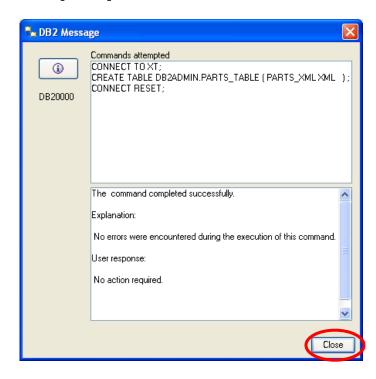


Click [Next].

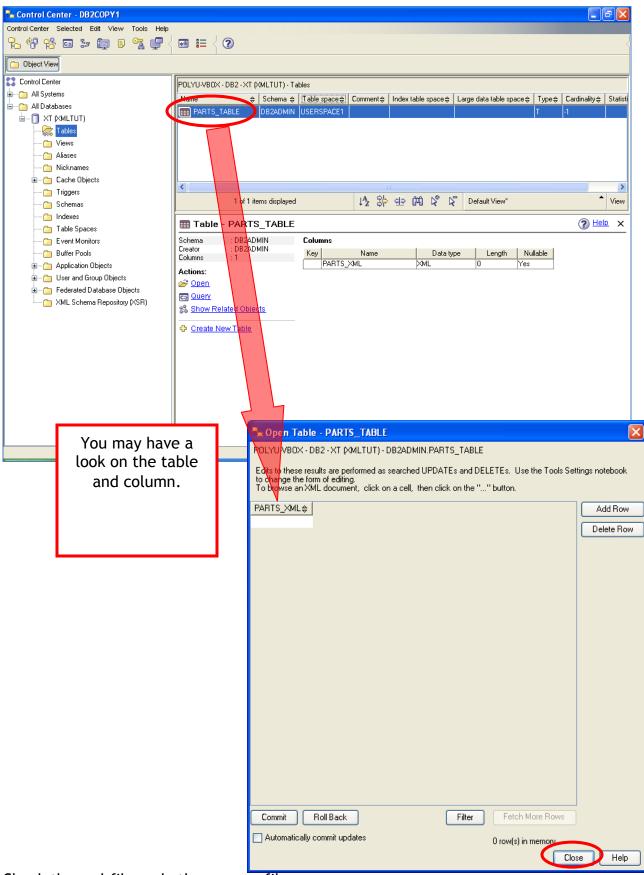




Click [Finish].

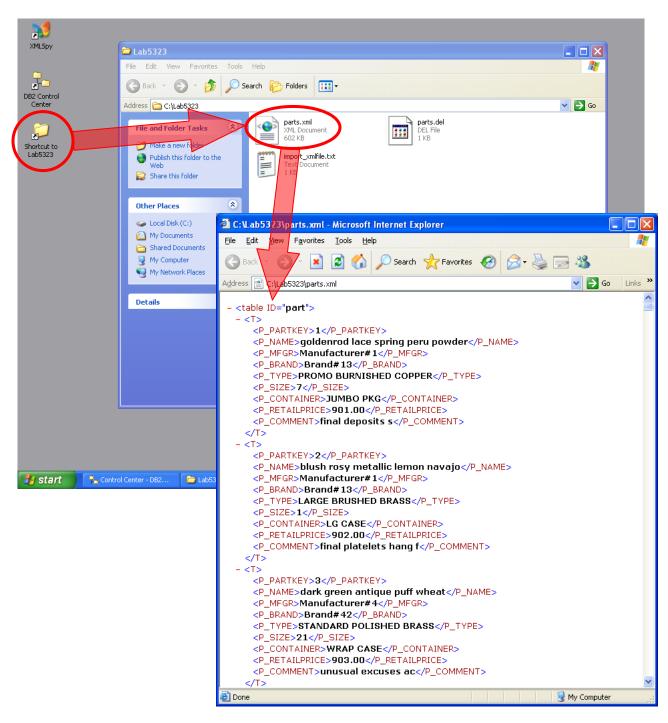


Click [Close].

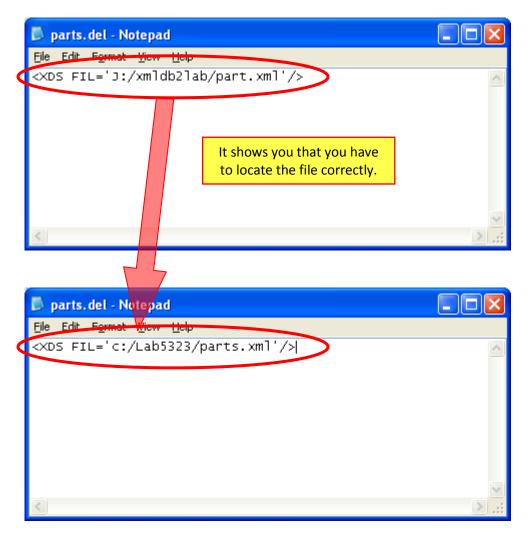


Check the xml file and other source files.

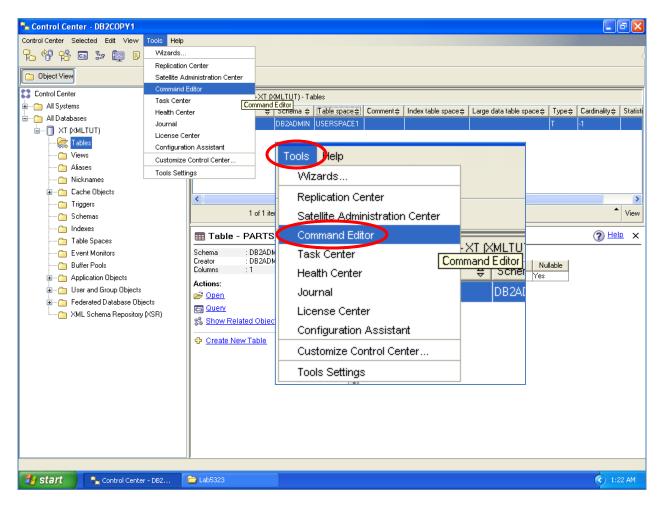
Click open the third icon, [Shortcut to Lab5323] on the desktop. There should be three files listed, [parts.xml], [parts.del] and [import_xmlfile.txt].



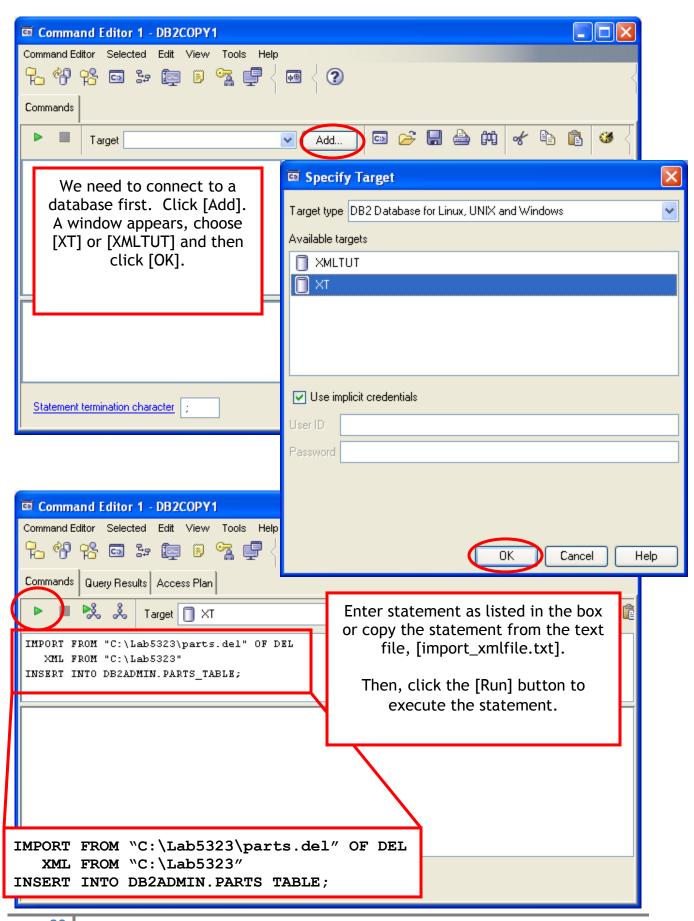
For [parts.del], there is one statement but we need to modify it. Or you can create a new one to overwrite the existing.

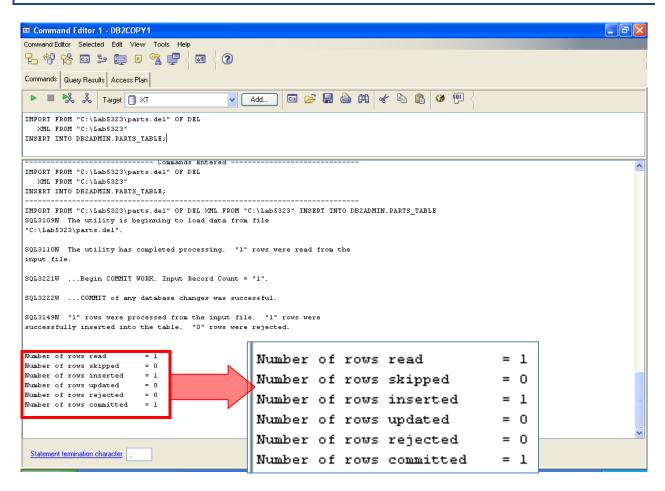


We get this file ready to allow us to import the xml file into the database.

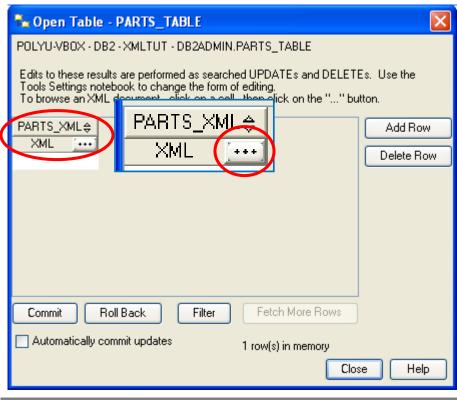


Open the [Command Editor]. From menu bar, choose [Tools] → [Command Editor].

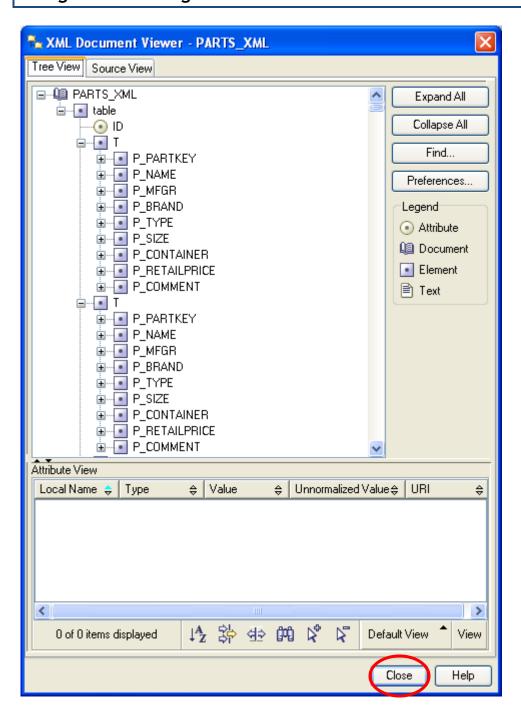




If you got this message, you have successfully imported the xml file into DB2 database.



Click [...] button.



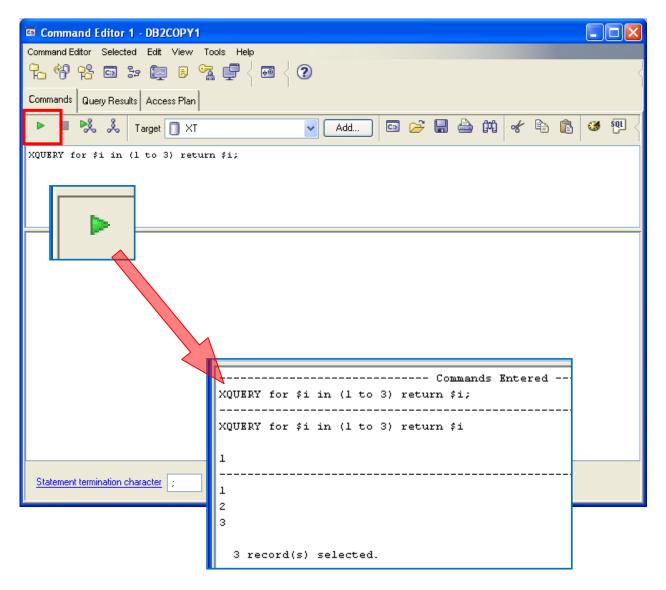
Check that the XML file is now imported. The document can be viewed through the [XML Document Viewer], i.e. press the [...] button on the record row.

XQuery

Before we explore the xml file using the XQuery, we practice some simple commands. Open a [Command Editor] and enter the following statement.

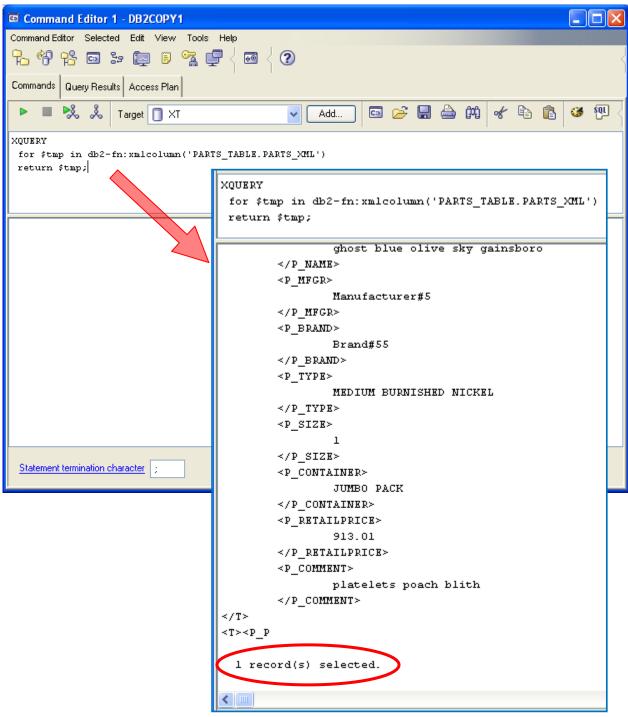
XQUERY for \$i in (1 to 3) return \$i;

and then press the [Play] button.



Try another simple statement to retrieve records in the database. In [Command] box, enter this:

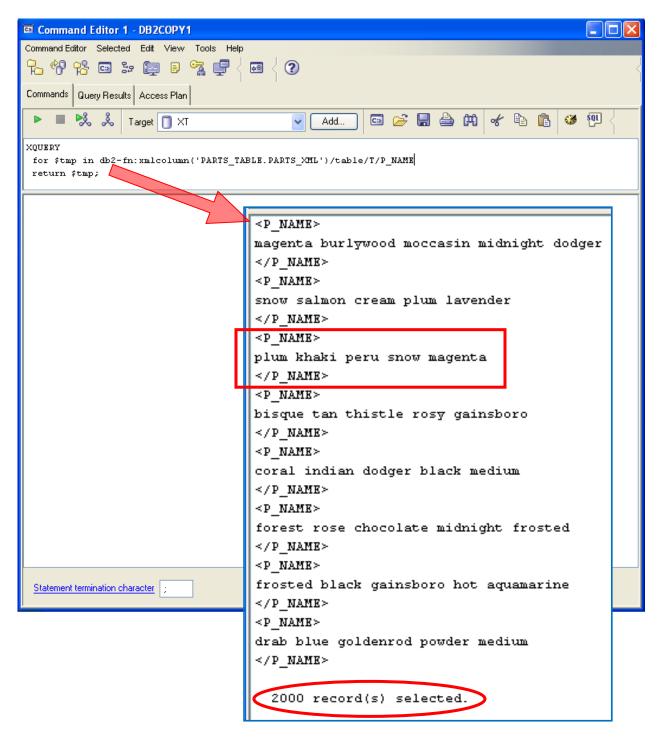
XQUERY for \$tmp in db2-fn:xmlcolumn(\PARTS_TABLE.PARTS_XML') return \$tmp;
and press the [Play] button.



Of course, we have only one record in the table so that there is no doubt we retrieve only ONE record.

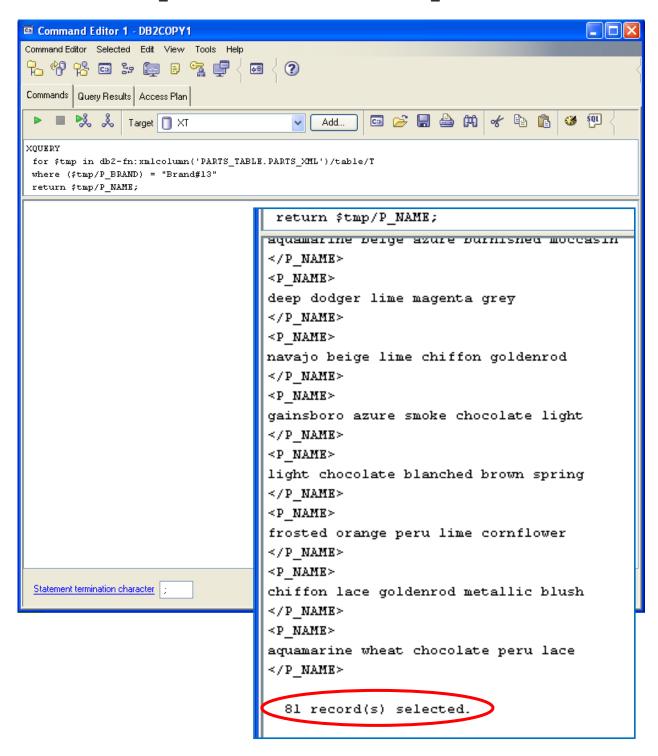
Now, we try something more specific, say retrieve only the Product Name. Use this.

XQUERY for \$tmp in db2-fn:xmlcolumn('PARTS_TABLE.PARTS_XML')/table/T/P_NAME return \$tmp;



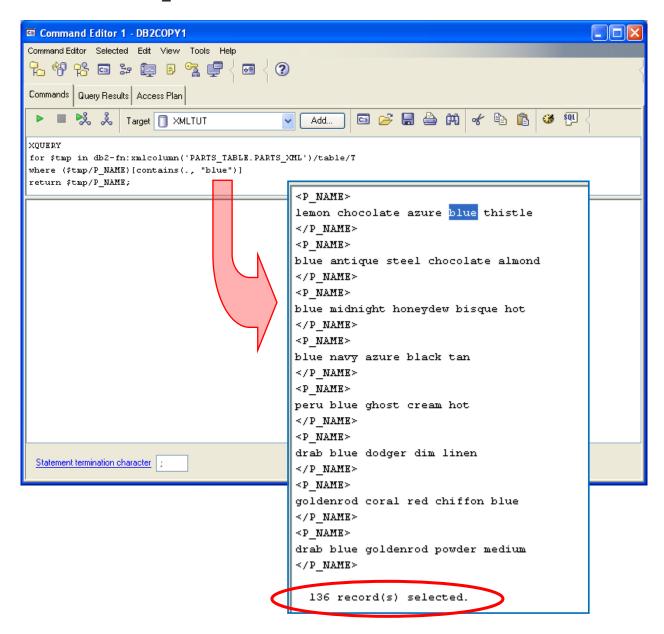
Well, write one with the "Where" clause.

XQUERY for \$tmp in db2-fn:xmlcolumn('PARTS_TABLE.PARTS_XML')/table/T
where (\$tmp/P BRAND) = "Brand#13" return \$tmp/P NAME;



One more example

```
XQUERY for $tmp in db2-fn:xmlcolumn('PARTS_TABLE.PARTS_XML')/table/T
where ($tmp/P_NAME)[contains(., "blue")]
return $tmp/P NAME;
```



Try others by yourself to get familiar with the XQUERY. Good Luck!