iMX6 Series Processor

EC21 / NSD21 / SBC21

Python Setup in Windows XP

Application Note

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Release Notes

Version	Release Date	Notes
2.0	Dec-27-2013	Second release
3.0	Jan-20-2014	Edited by technical writer

Table of Contents

1 Installing Python 2
2 Installing Python pycairo 8
3 Installing Python pygobject 11
4 Installing Python PyGTK 14
5 Installing GTK+ 17
6 Verifying the Python Installation 18
7 Running a Demo Program 20

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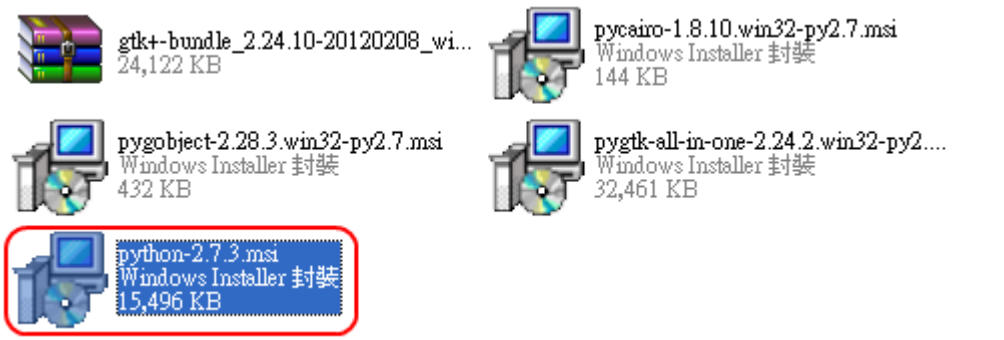
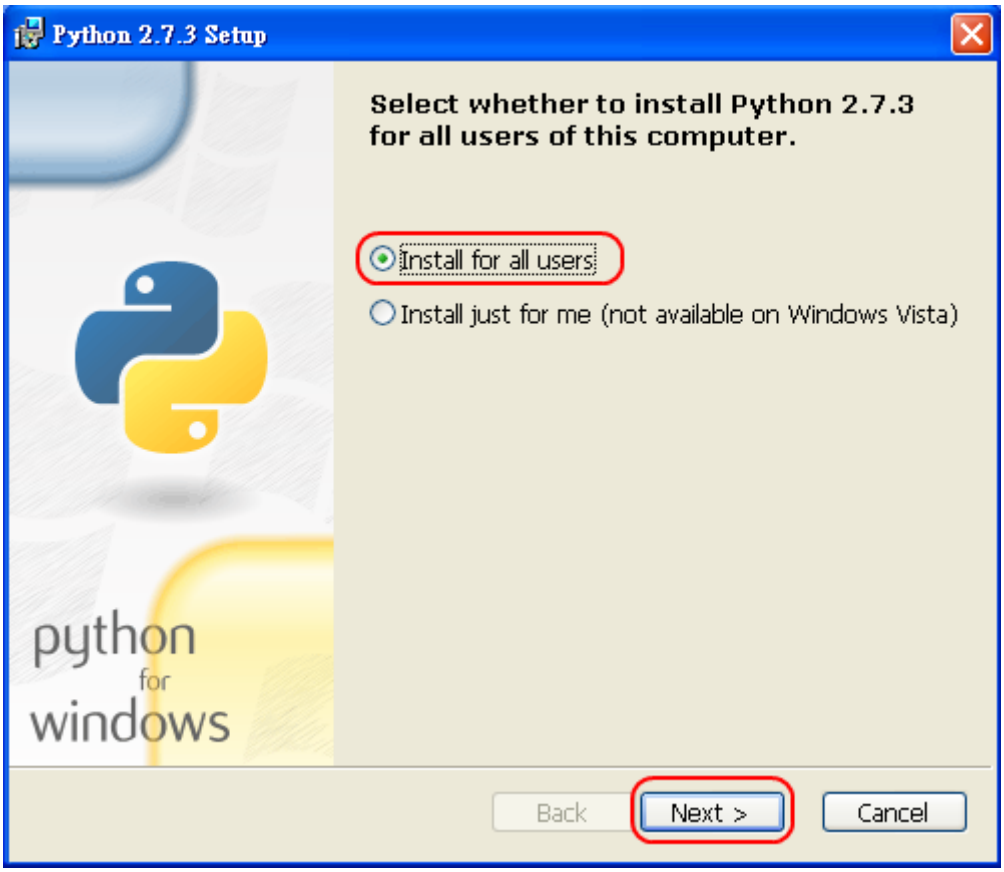
1 Installing Python

Our setting up below is done with **Windows XP** on a **32-bit** computer system. The first step is to make sure you have Python installed on your system. You can obtain these files on our Wiki (File: Ubuntu Develop Python in Windows.rar).

1.1 Install Python 2.7.3 (**python-2.7.3.msi**)





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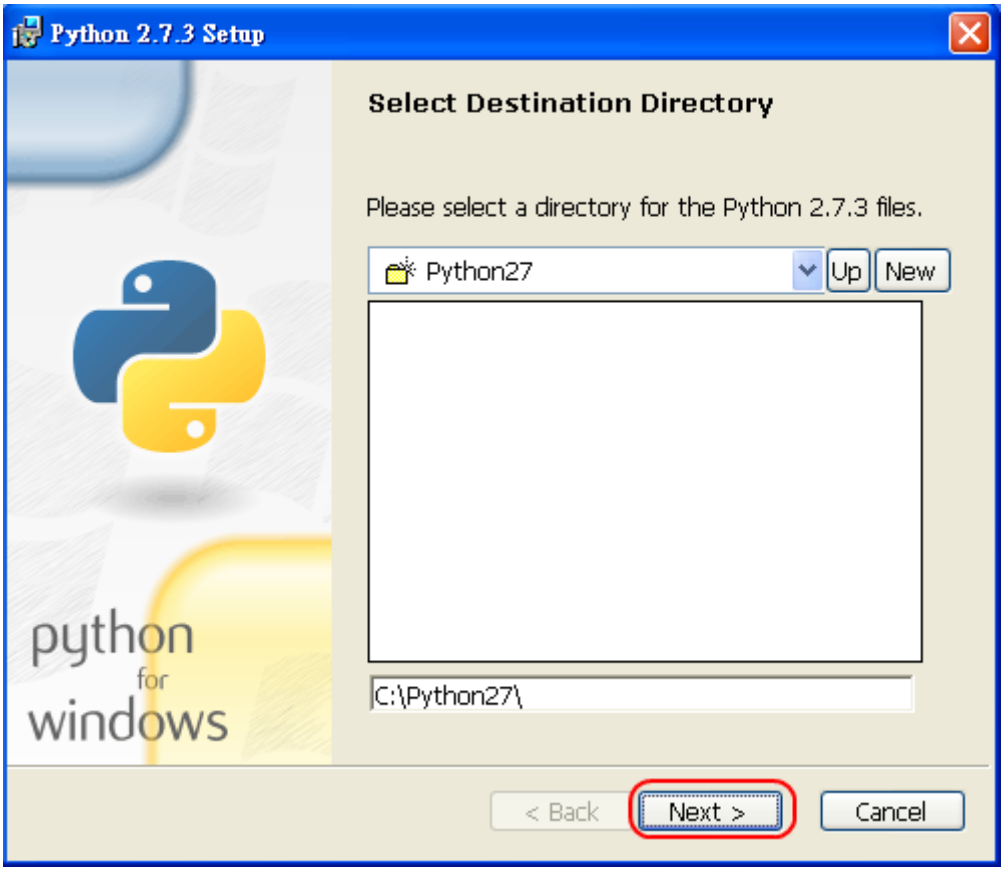
1.2 Click *Next* and follow the steps below.



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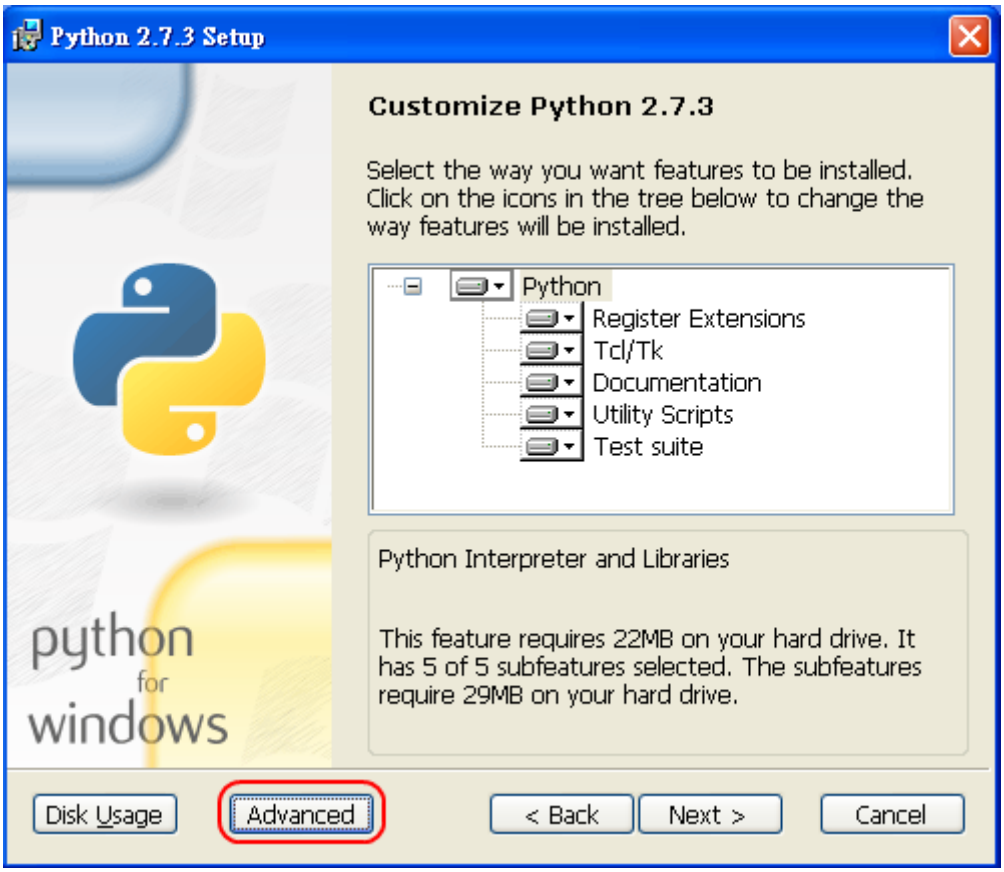

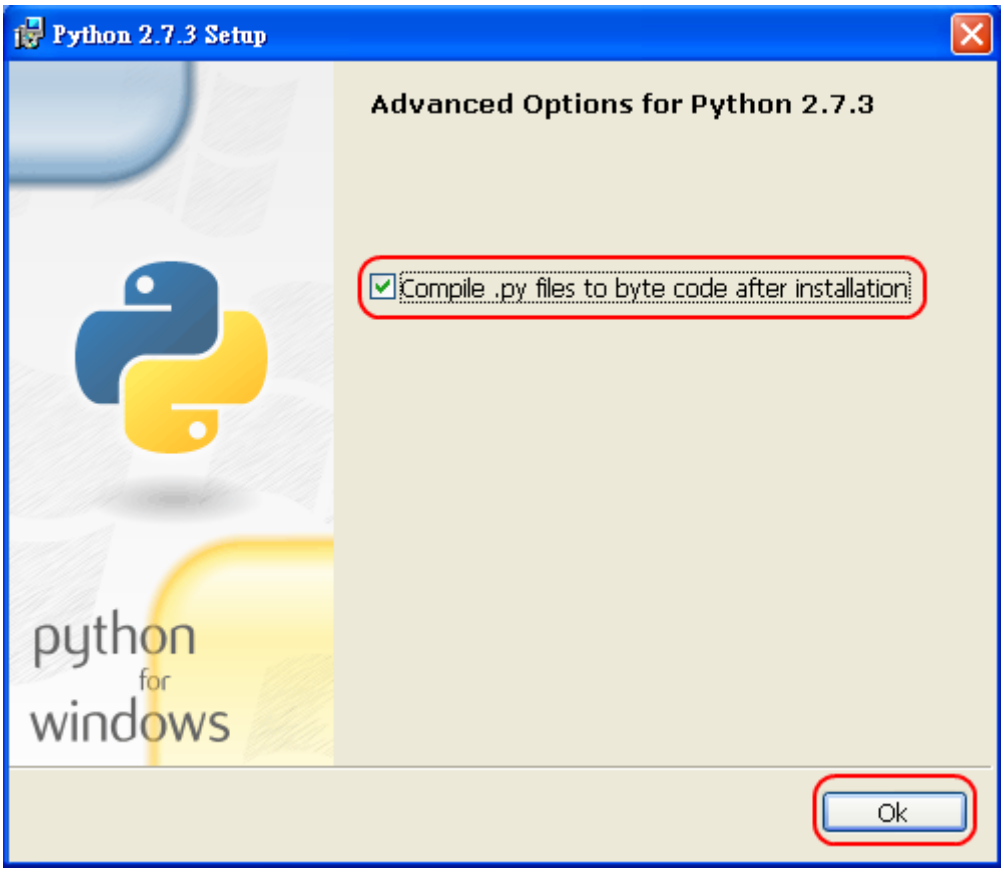

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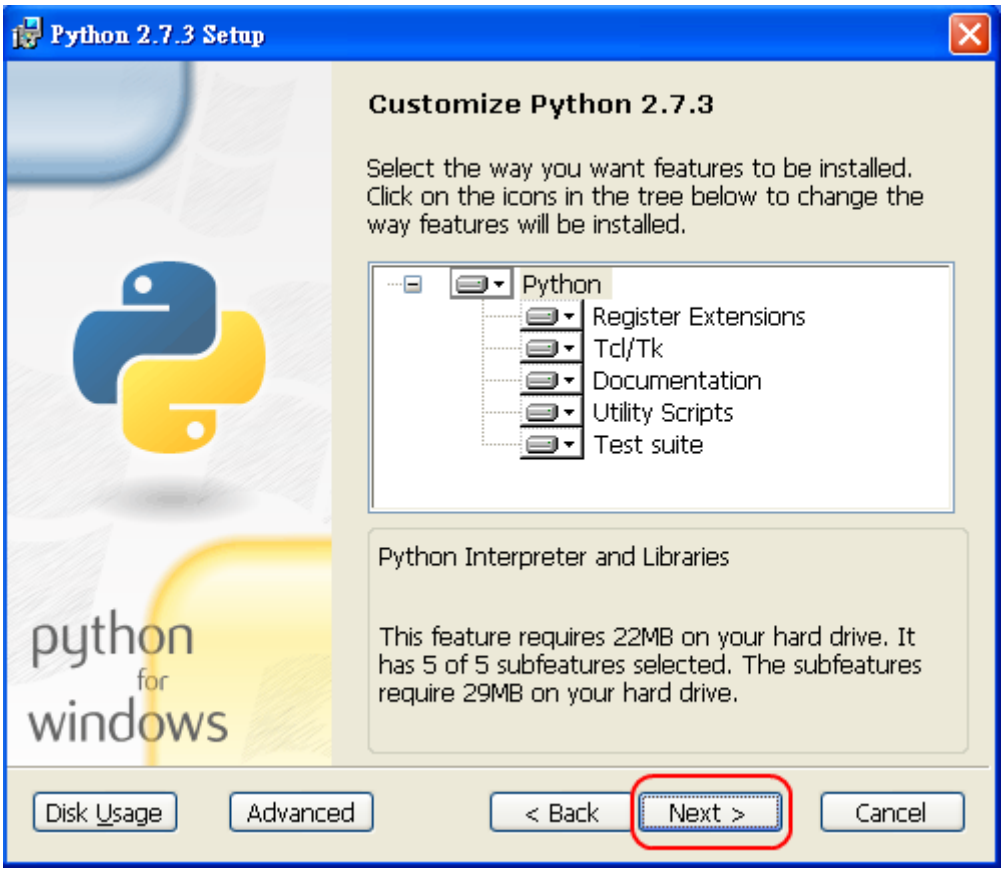

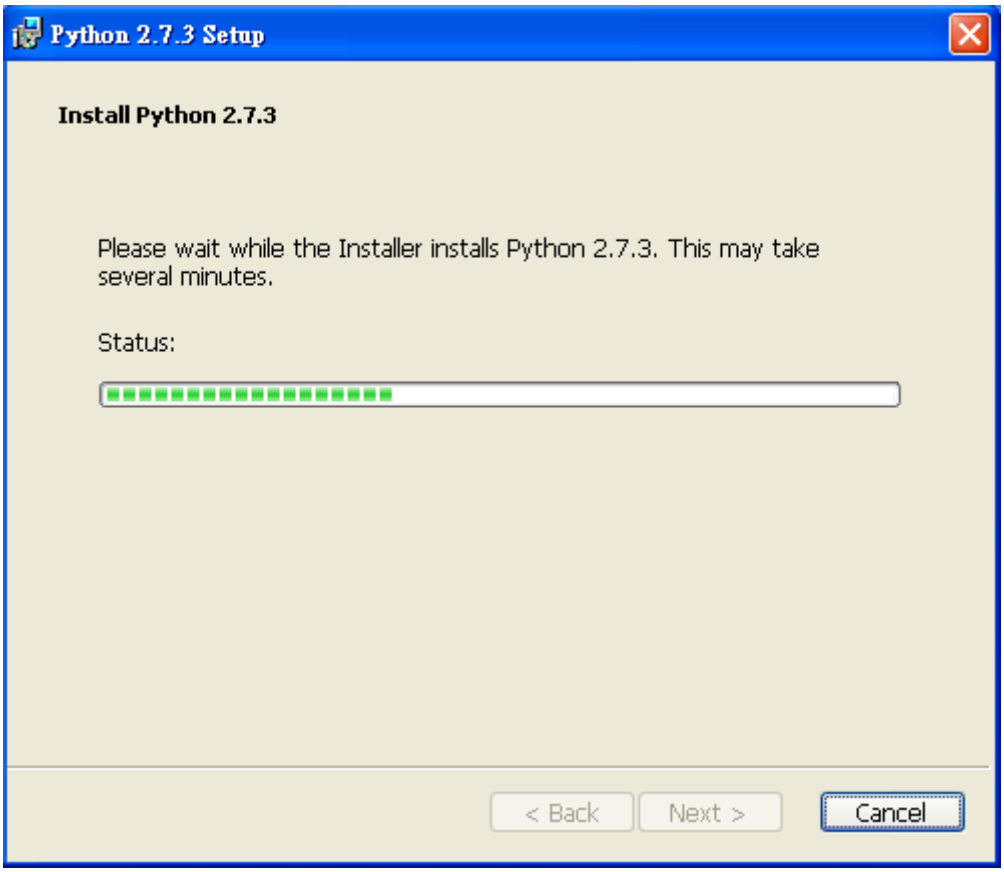

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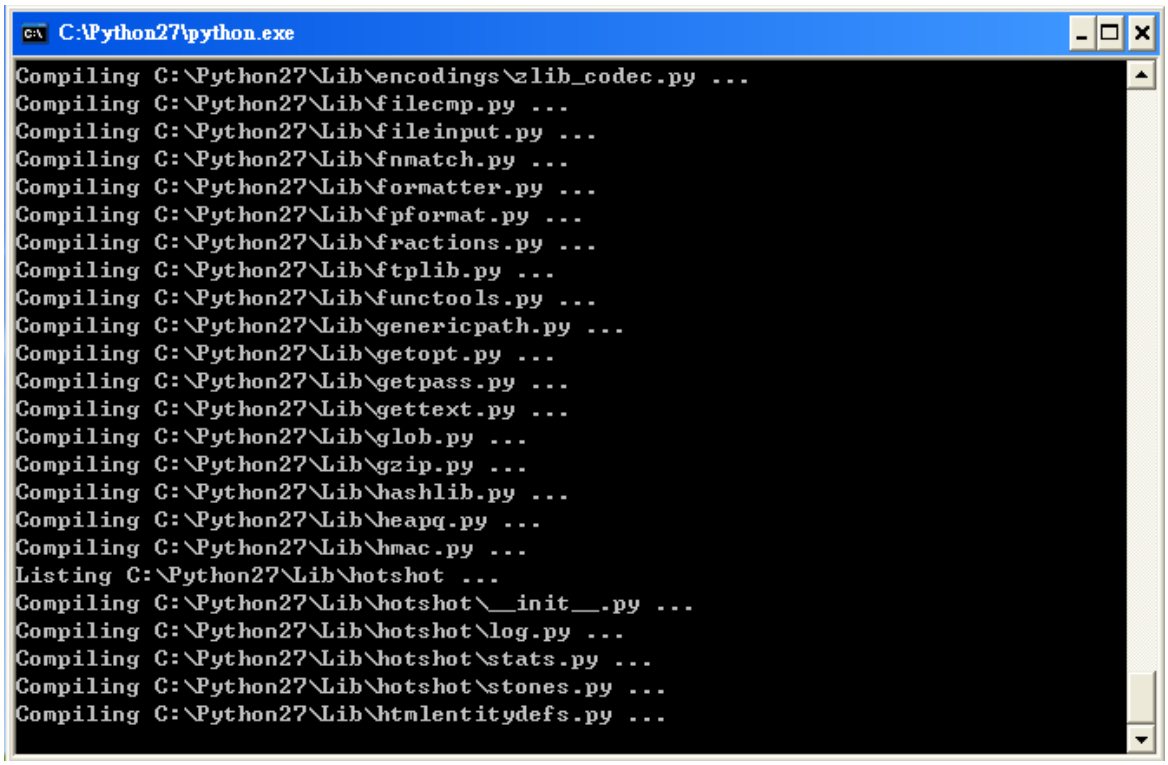

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1.3 Finally, click *Finish* to complete the installation.

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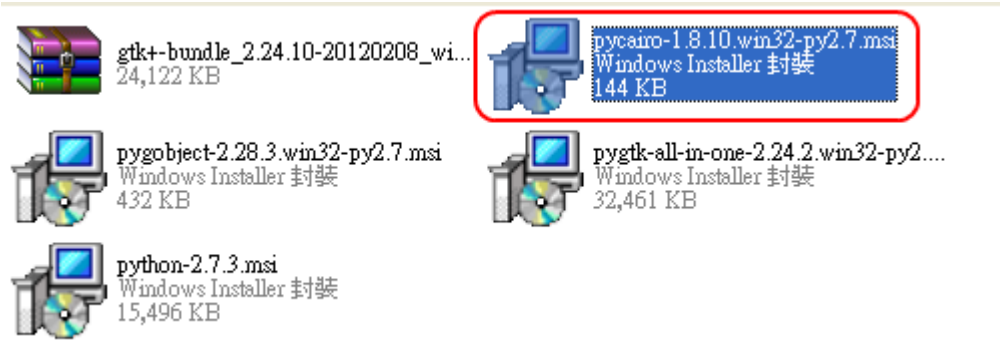
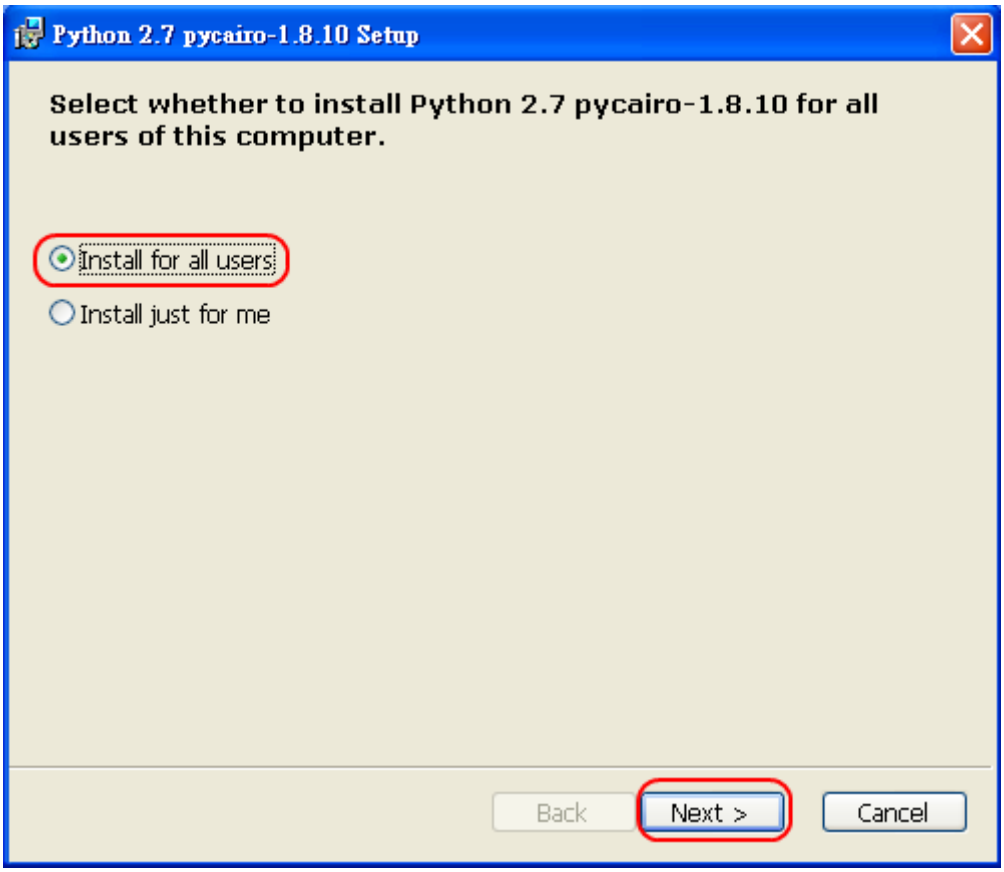
2 Installing Python pycairo

2.1 Install pycairo (**pycairo-1.8.10.win32-py2.7.msi**)



2.2 Follow the steps to install pycairo.



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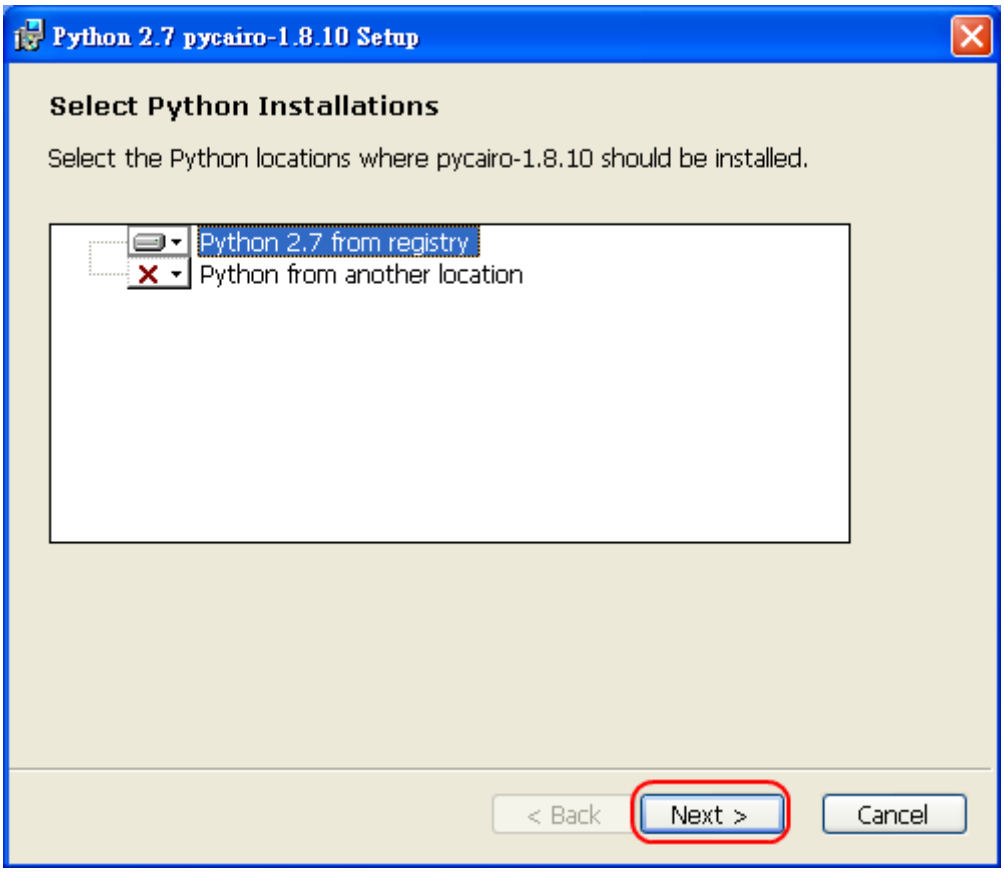

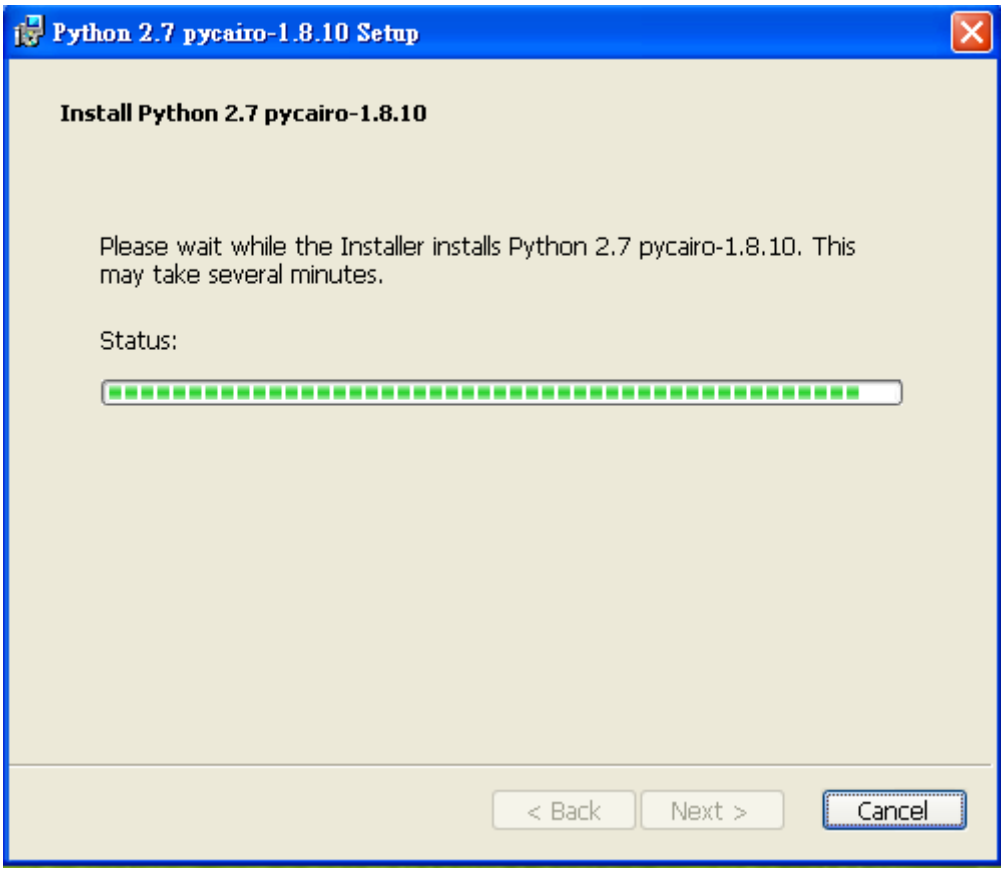

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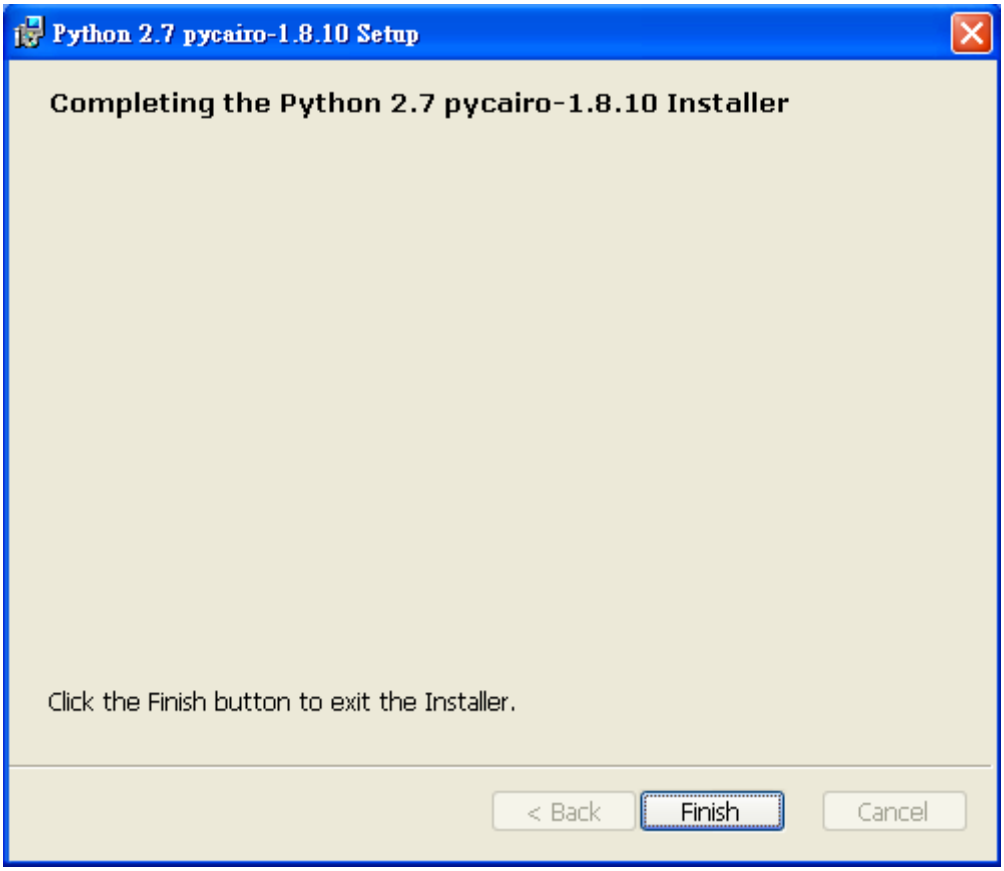

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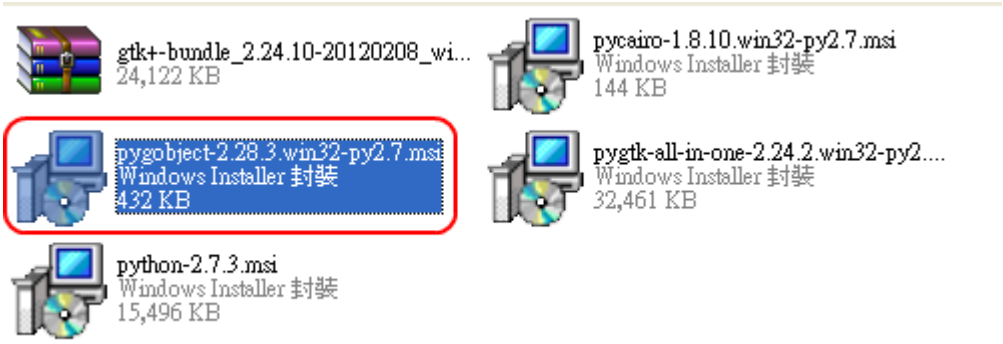
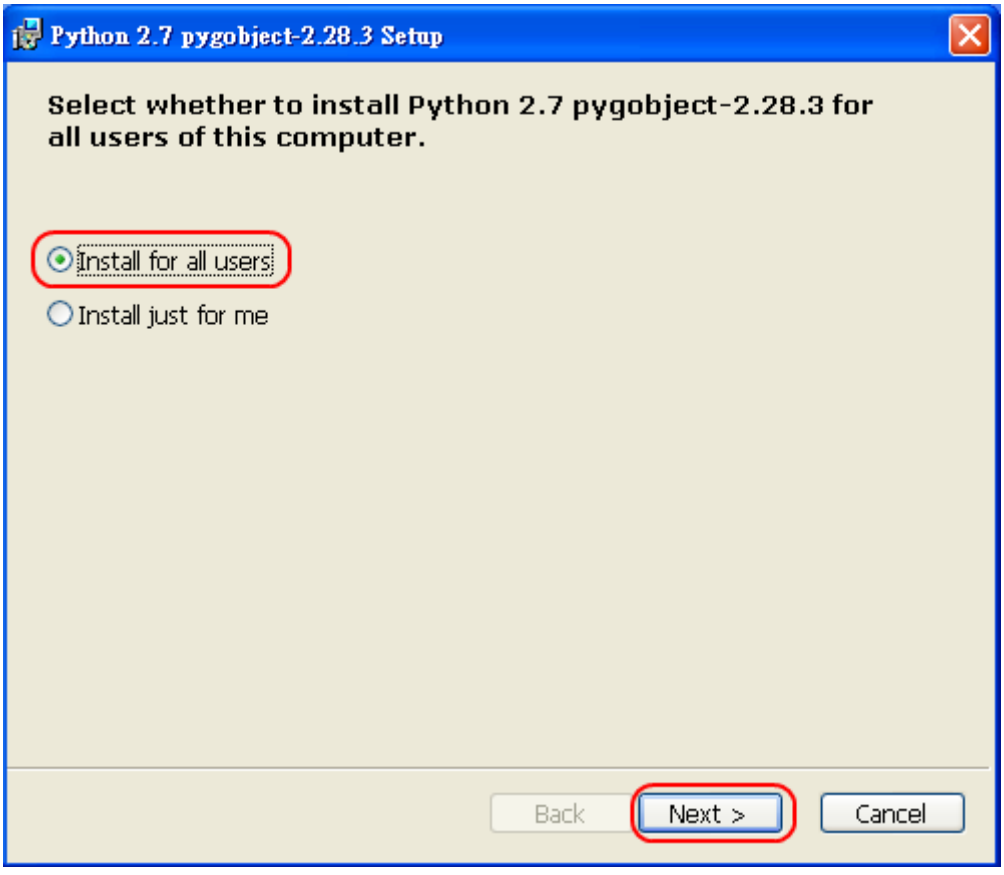
3 Installing Python pygobject

3.1 Install pygobject (**pygobject-2.28.3.win32-py2.7.msi**)



3.2 Click *Next* to continue.



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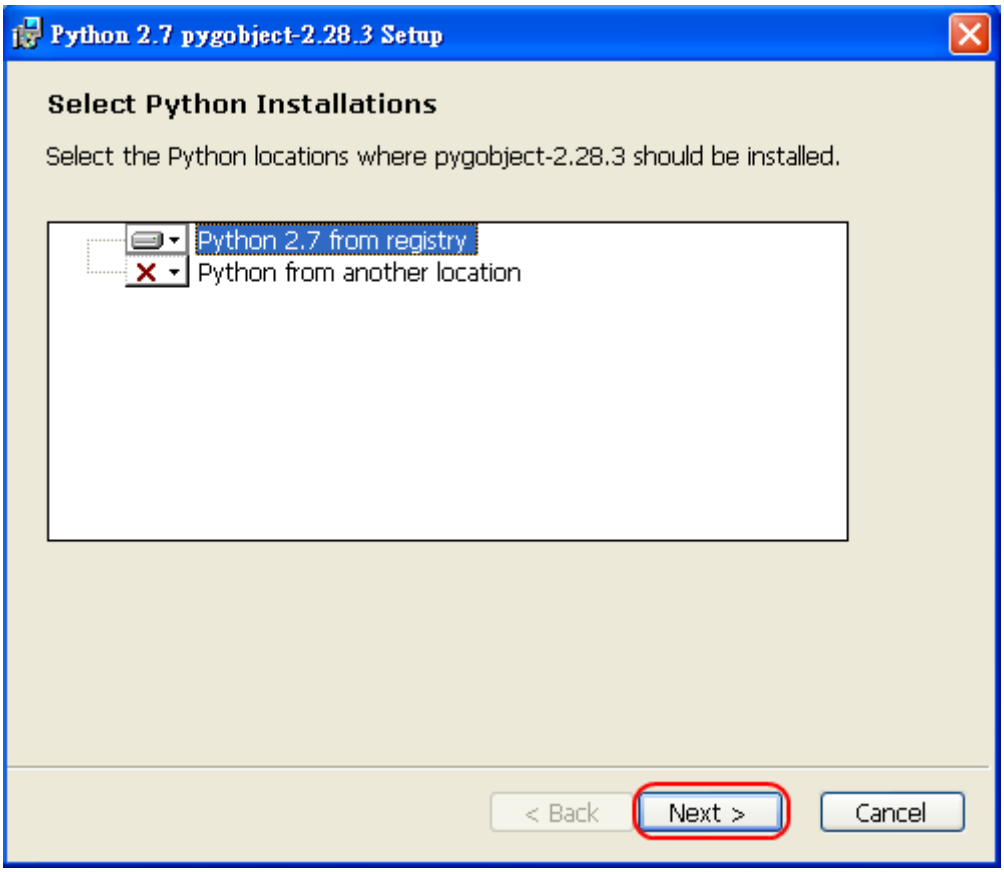

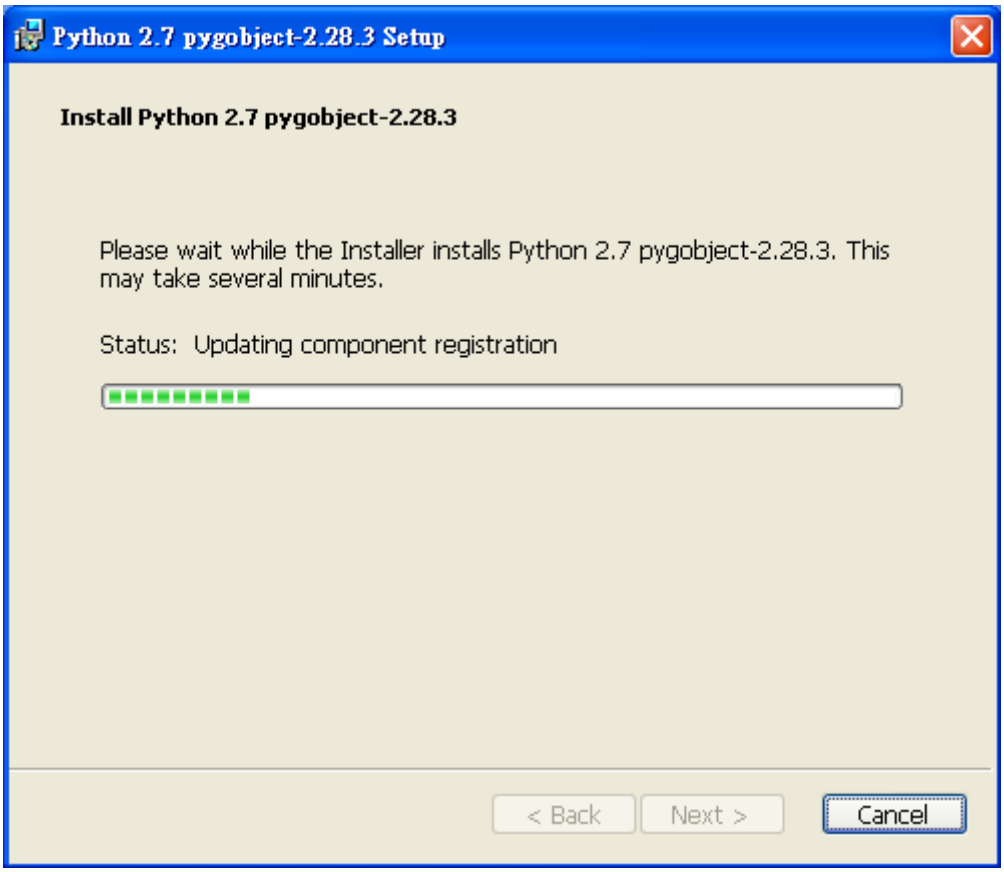

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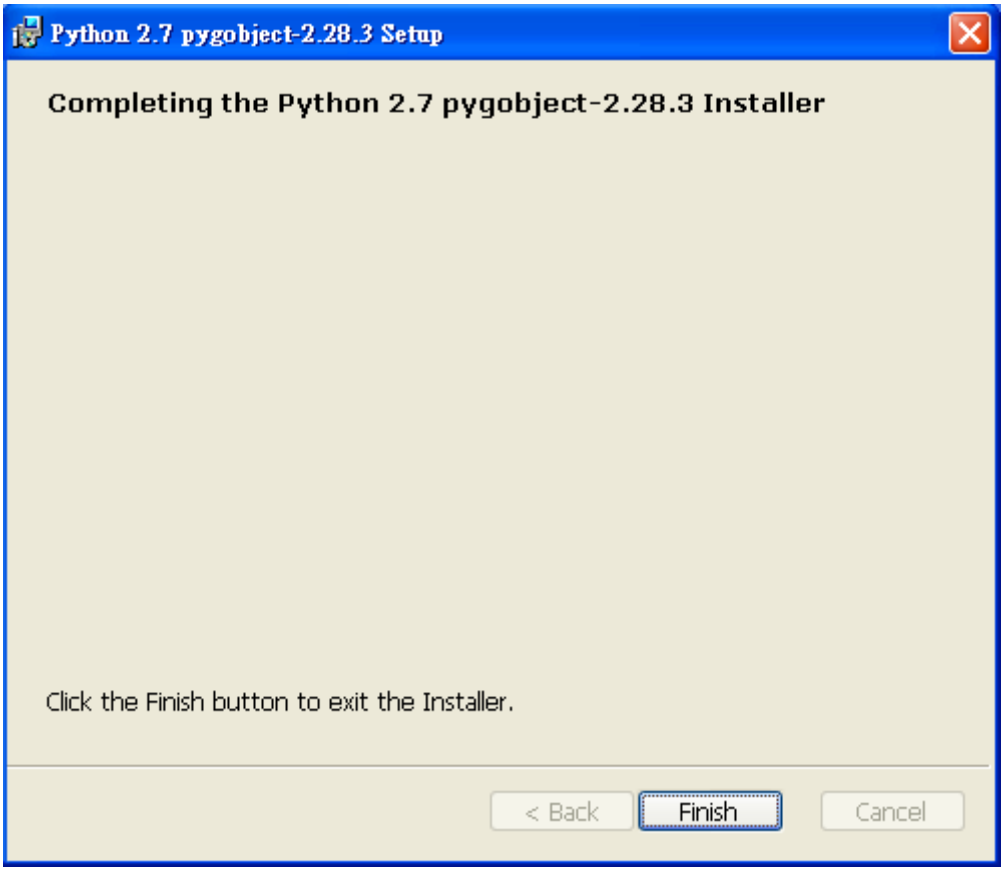

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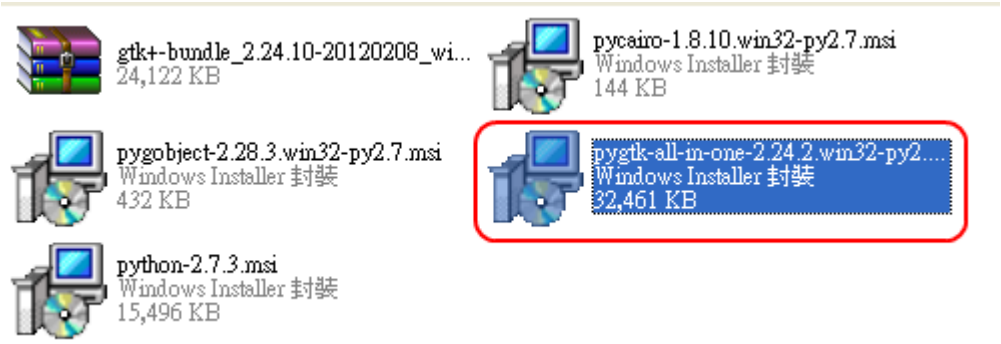
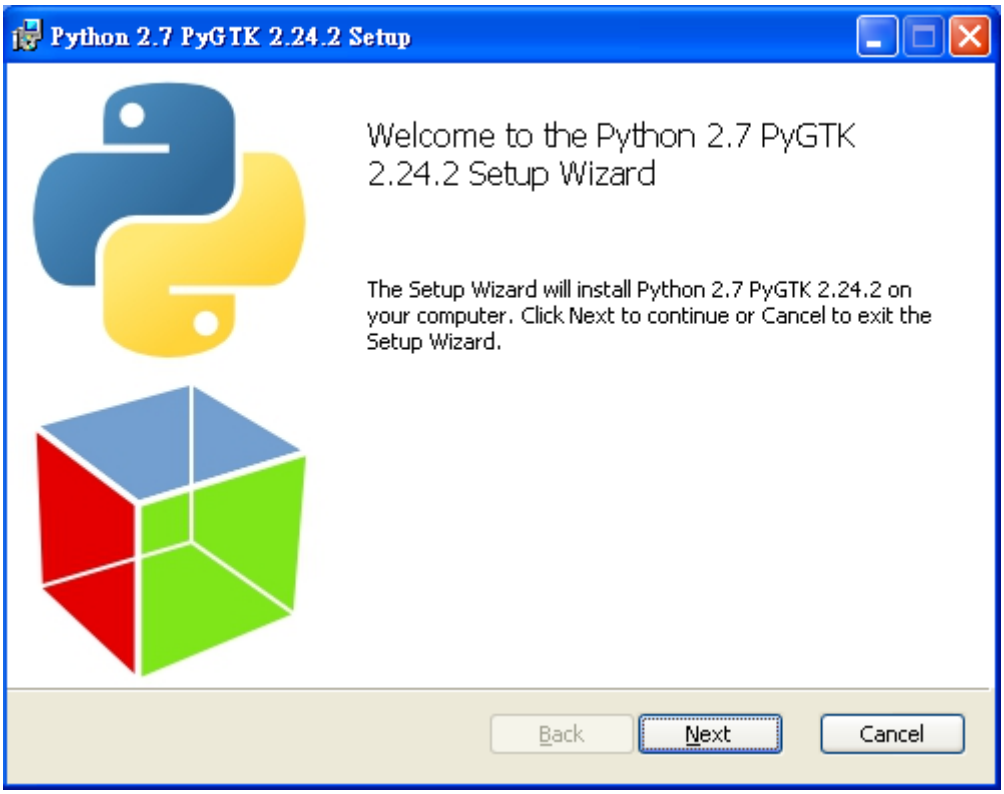
4 Installing Python PyGTK

4.1 Install PyGTK (**pygtk-all-in-one-2.24.2.win32-py2.7.msi**)



4.2 Click *Next*.



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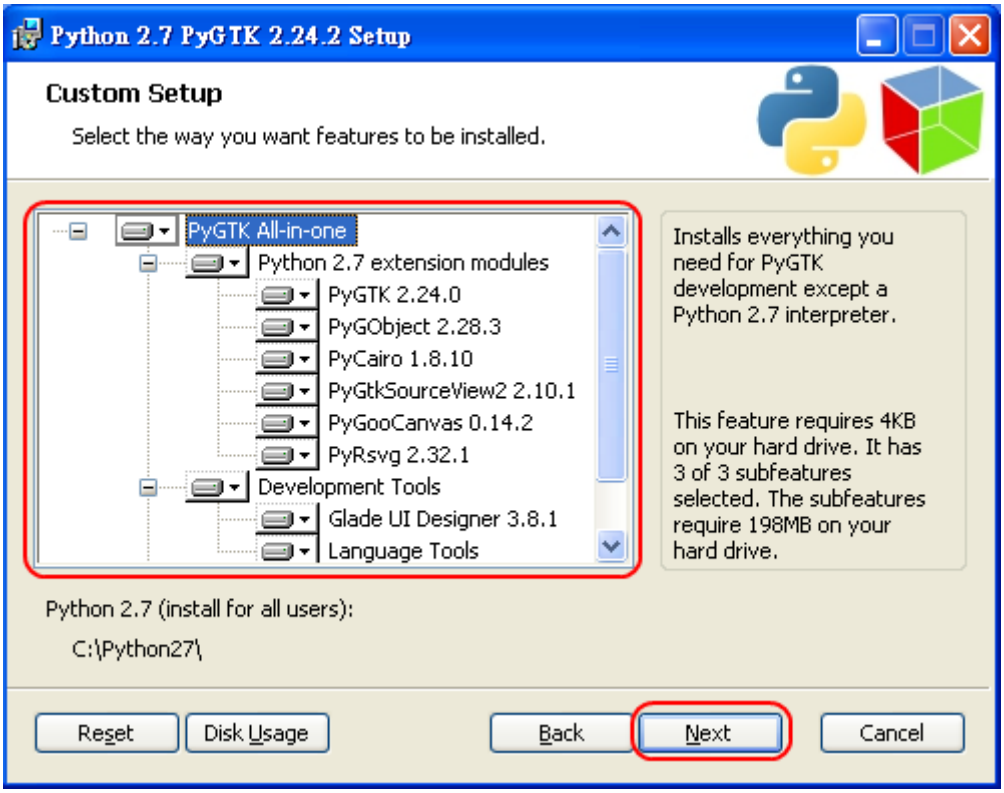

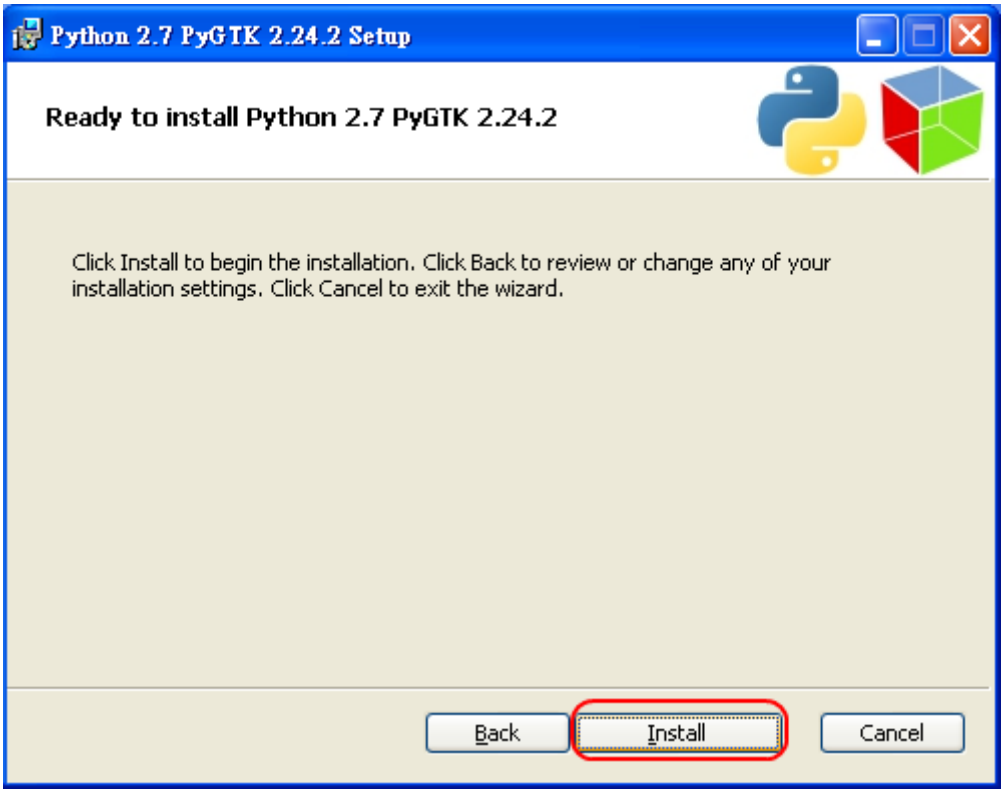

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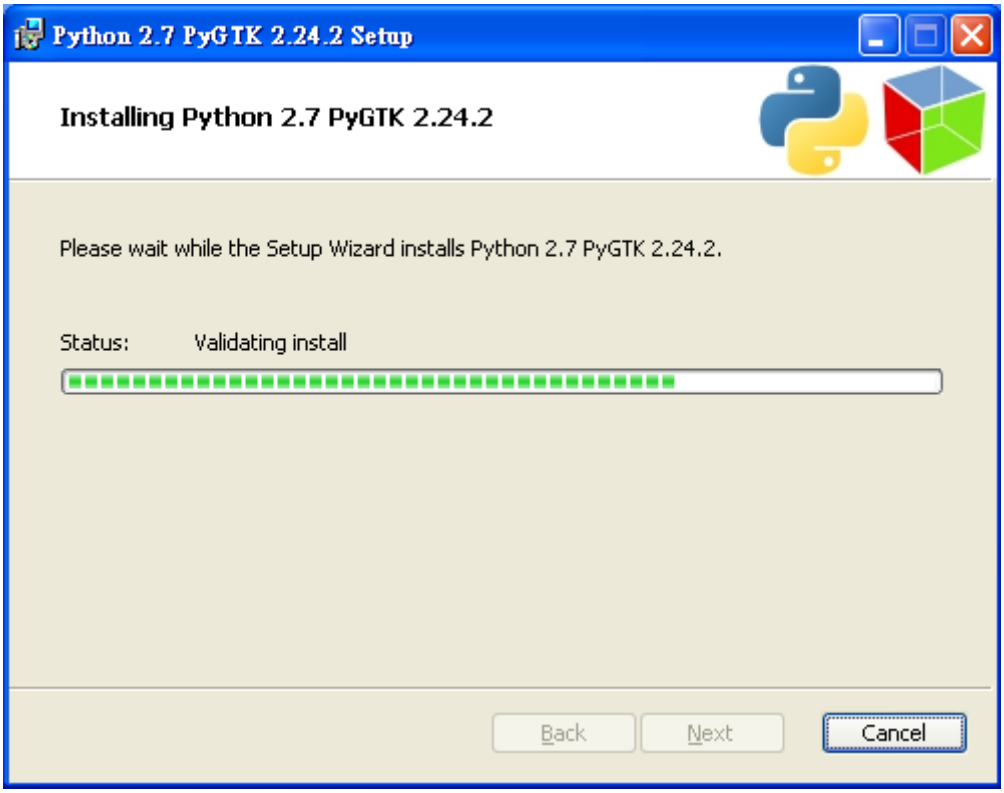

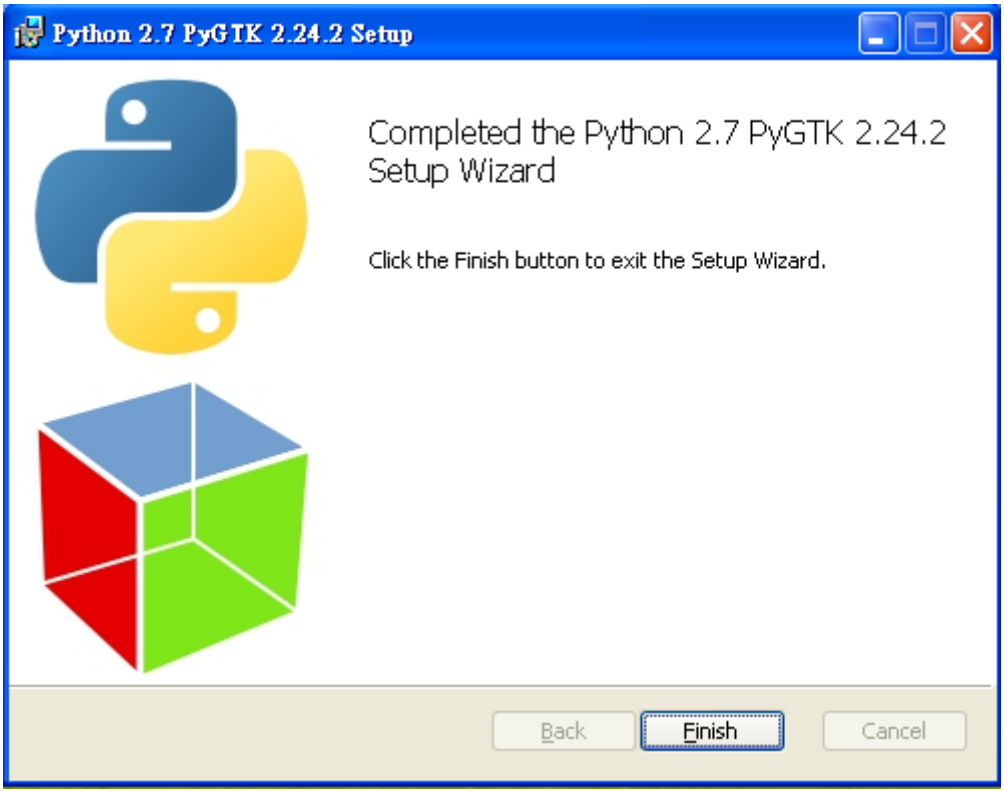

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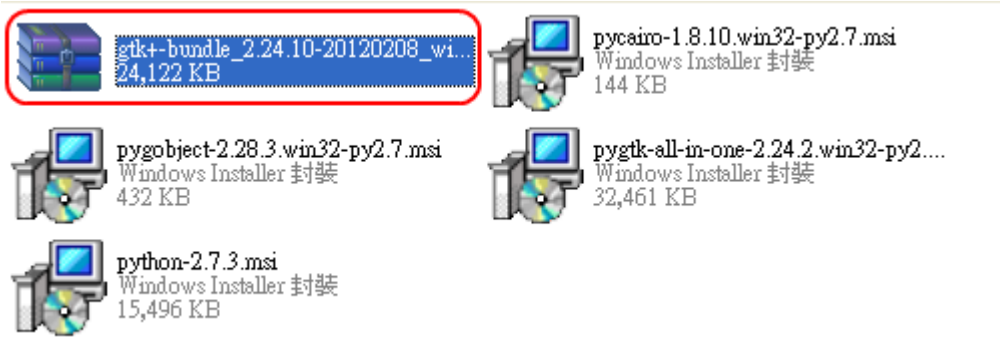
5 Installing GTK+

5.1 Install GTK+ (**gtk+-bundle_2.24.10-20120208_win32.zip**)



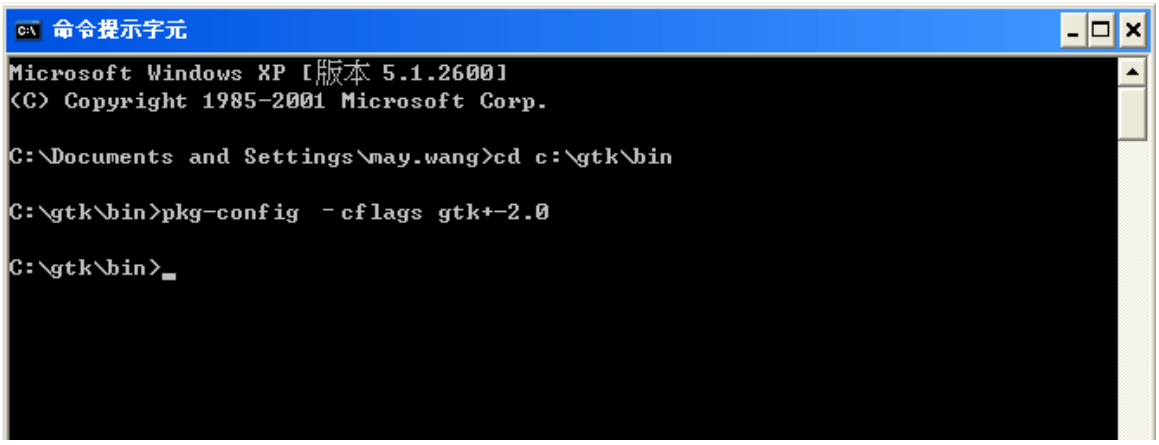
5.2 Make a new folder at the location **C:\gtk**

5.3 Extract the contents of the **GTK+** zip file into **C:\gtk**

5.4 From the command line, type the following commands. To reach the command line, open the **Start menu** and go to **Accessories** and look for the **Command Prompt** shortcut or a similar application.

> cd C:\gtk\bin

> pkg-config –cflags gtk+-2.0



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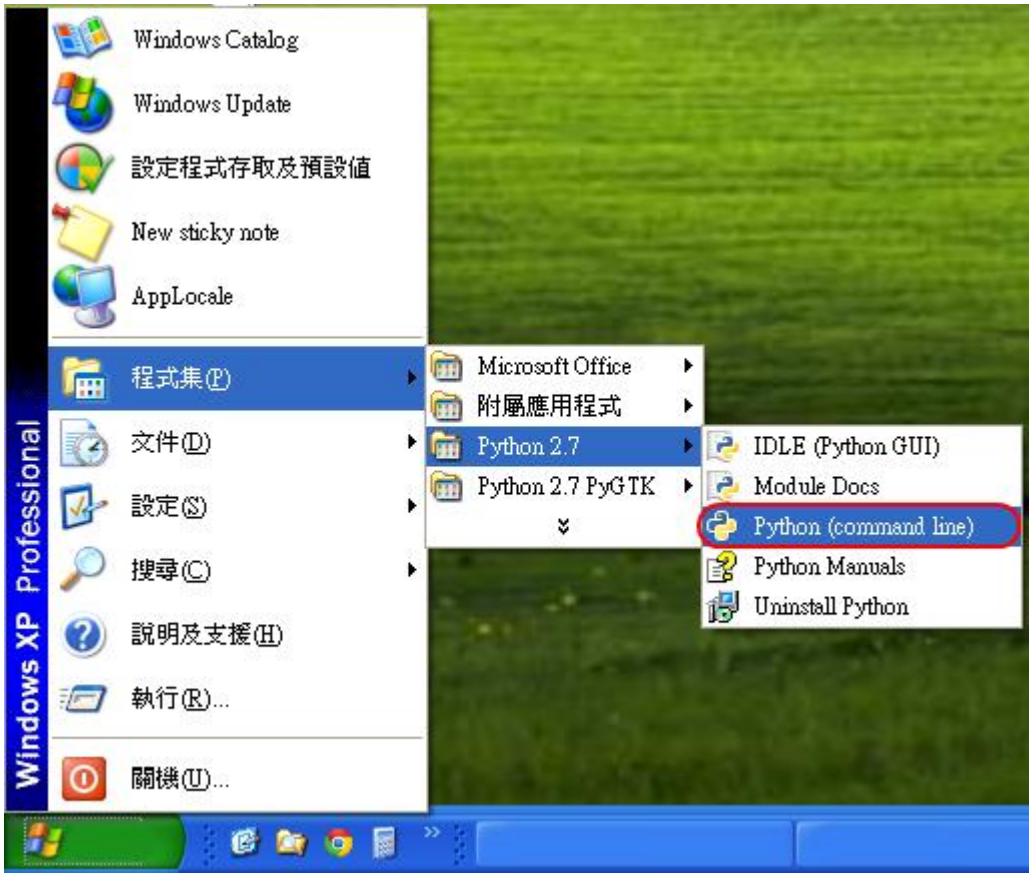
6 Verifying the Python Installation

6.1 Run the program **Python (command line)**



6.2 From the Python prompt, type the following commands

```
>>> import pygtk

>>> import gtk

>>> window = gtk.Window(gtk.WINDOW_TOPLEVEL)

>>> window.show()
```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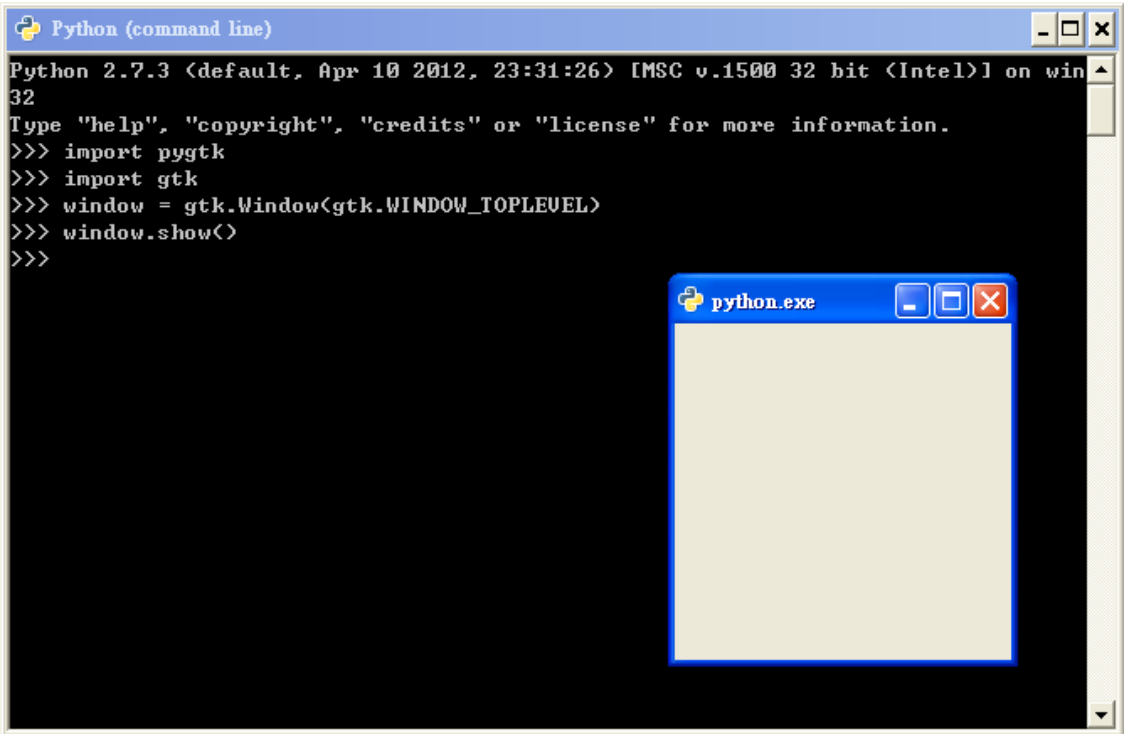
6.3 The following very basic window should appear. You are now ready to start using the GTK libraries.



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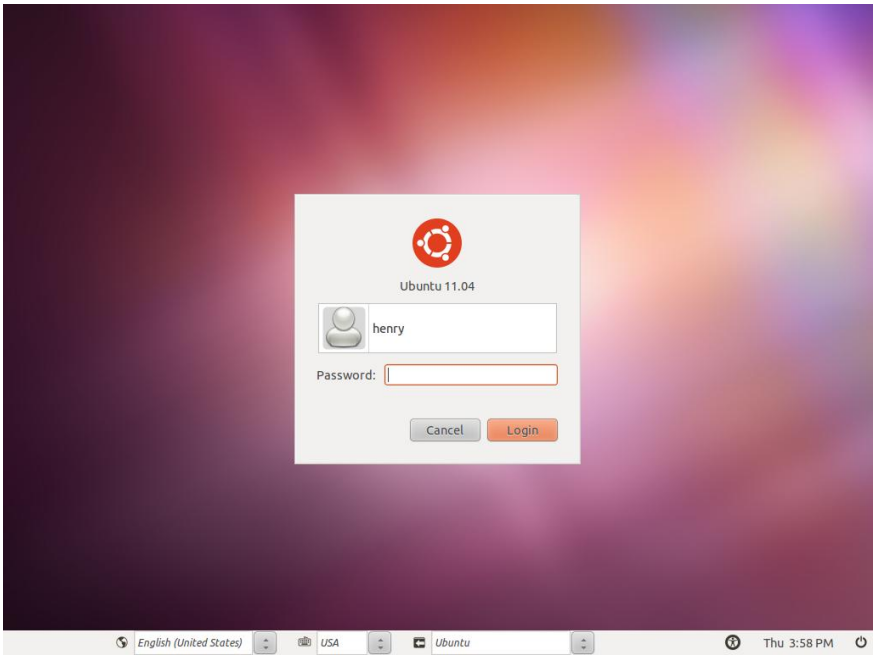
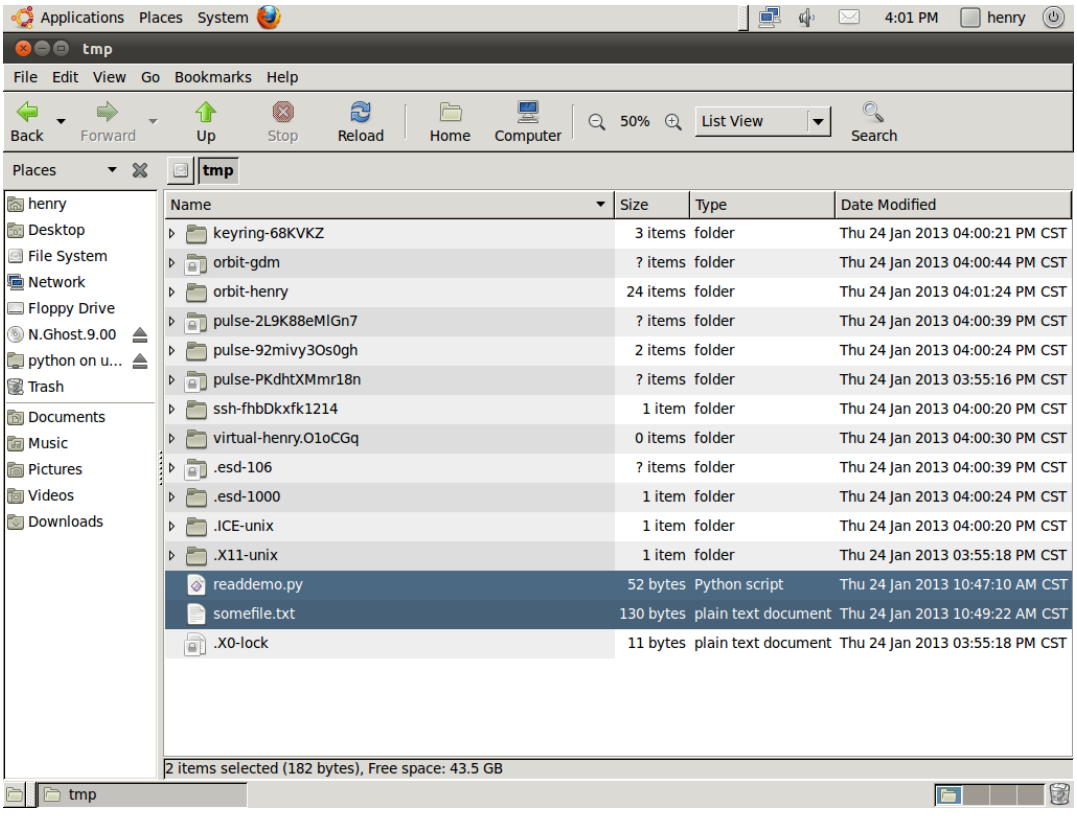
7 Running a Demo Program

7.1 Start Ubuntu Linux



7.2 Copy 2 files – **readdemo.py** and **somefile.txt** – to /tmp



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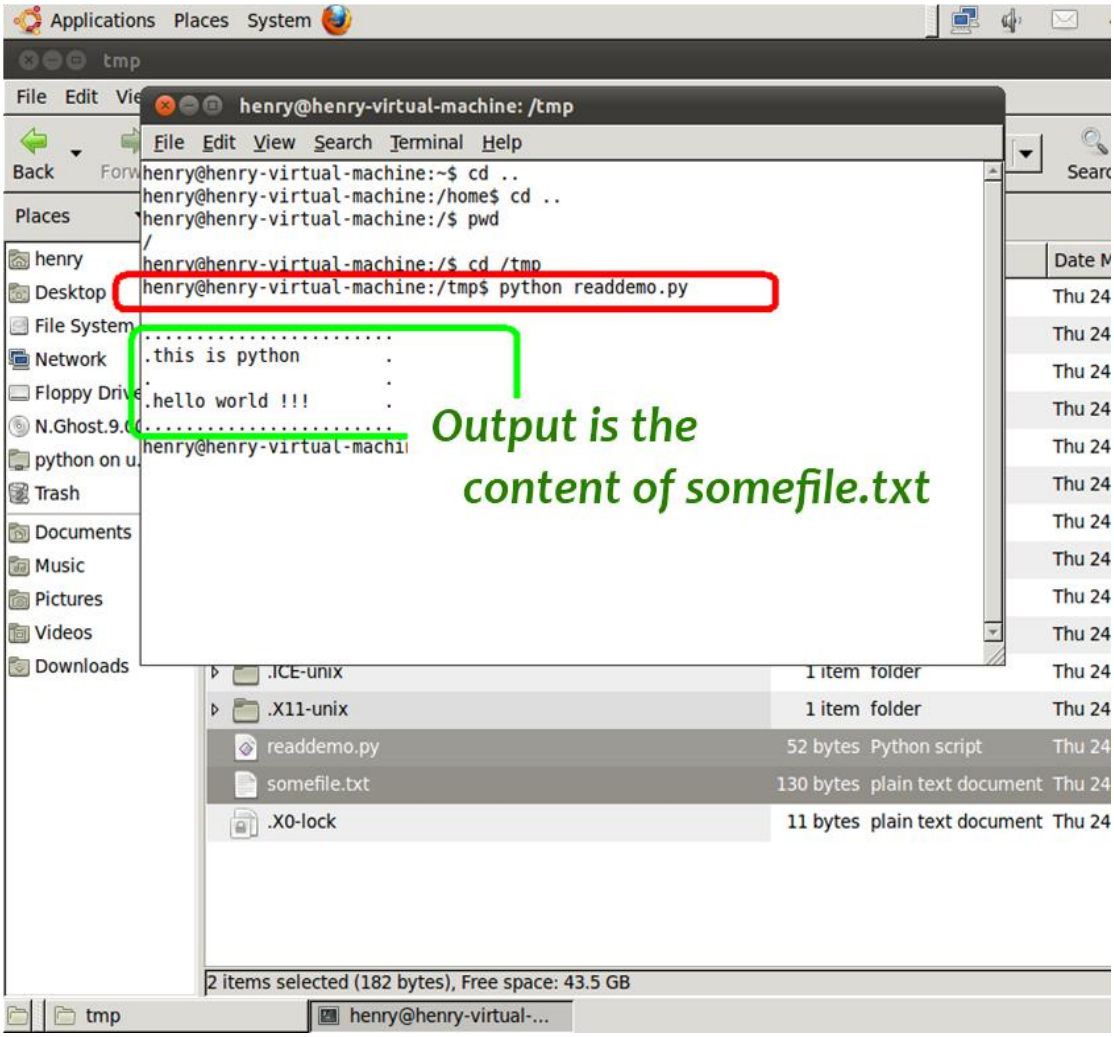
7.3 Open a terminal (command line) and type the following commands:

```
$ cd tmp
$ python readdemo.py
```

This will run the **readdemo.py** file and show the results.



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