

Example Code Package User Guide

All examples in this book, and a few more, are contained in an example code package¹ The entire package can be downloaded from the website in one compressed file:

```
javaWang3.tgz          (for Linux/UNIX and Mac OS X)
jvW3.zip              (for Win32)
```

The package contains the following files and directories

```
README.txt  ex01/  ex02/  ex03/  ex04/
guide.pdf   ex05/  ex06/  ex07/  ex08/
           ex09/  ex10/  ex11/  ex12/
           ex13/  ex14  exapp/
```

corresponding to the chapters in the book.

To use these examples you need to set up your Java environment first. Simply download the latest release of SDK from the Sun Java Website:

```
http://java.sun.com/javase/downloads/index.jsp
```

USAGE INSTRUCTIONS (Linux/UNIX and Mac OS X)

Download the file `javaWang3.tgz` from the textbook website

```
http://sofpower.com/java5
```

into a destination directory, say `$home`, on your Linux/UNIX machine. Then unpack the file by:

```
cd $home
tar xzpvf javaWang3.tgz
```

to unpack and install the examples in the directory `$home/javaWang3`. You may now remove the `.tar` file if you wish.

You now need to set the `CLASSPATH` environment variable. Assume you are using Csh or Tcsh (If you use Sh or Bash shell you need to do something equivalent), you can add the setting to your Csh shell start-up file (`.login`). First add these two lines (make sure each set is on one single line)

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```
set loc = $home/javaWang3
```

```
set wp = $loc/ex03:$loc/ex04/bankaccount:$loc/ex05/textline:  
        $loc/ex07:$loc/ex08/ticapplet:  
        $loc/ex09:$loc/ex09/tictactoe:  
        $loc/ex11/client:$loc/ex11/url:  
        $loc/ex11/socket:$loc/ex12/timer:$loc/ex01
```

Then add the third line

```
setenv CLASSPATH ' .: ' $wp
```

if your `.login` file does not have a previous setting for CLASSPATH; or the second line

```
setenv CLASSPATH "$CLASSPATH":$wp
```

if your `.login` file already has a previous setting for CLASSPATH.

Now you should issue the Shell-level command:

```
source $HOME/.login
```

to read in the CLASSPATH setting (or login again). You can check the CLASSPATH setting by typing the Shell command:

```
echo $CLASSPATH
```

Now you are ready to compile and run the code examples.

USAGE INSTRUCTIONS (Win32)

Download the file `jvW3.zip` from the website and unpack with your WinZip tool and place the unzipped files in the `C:\` folder for example. And this will give you `C:\jvW3` with all the example files in it. You may now delete `jvW3.zip` if you wish.

Now, you need to modify your environment variable CLASSPATH and append the following *folder list* to it in a single line.

```
C:\jvW3\ex03;C:\jvW3\ex04\bankaccount;C:\jvW3\ex05\textline;  
C:\jvW3\ex07;C:\jvW3\ex08\ticapplet;  
C:\jvW3\ex09;C:\jvW3\ex11\client;C:\jvW3\ex11\socket;C:\jvW3\ex11\url;  
C:\jvW3\ex12\timer;C:\jvW3\ex01;
```

If CLASSPATH has no value to begin with, set it to the two-character string `.;` before appending the *folder list*.

The way to modify the CLASSPATH is different in different Windows versions.

Setting CLASSPATH in Windows Vista

For Windows Vista, open the control panel and select

User Accounts and Family Safety --> User Accounts
--> Change my environment variables --> System variables

After CLASSPATH is set, you are ready to compile and run the code examples.

Or to set CLASSPATH system-wide:

Control panel(classic view)--> system --> click on "Advanced system settings" in the left tasks, Environment Variables will appear

Setting CLASSPATH in Windows NT/2000/XP

For Windows NT/2000/XP, you set CLASSPATH through the control panel. Open the control panel and select

System --> Advanced --> Environment Variables

Setting CLASSPATH in Windows 95/98/ME

For Windows 95/98/ME, you set CLASSPATH by modifying your AUTOEXEC.BAT file. If your AUTOEXEC.BAT file does not have a previous setting for CLASSPATH add the single line:

```
SET CLASSPATH=. ; folder list
```

to the AUTOEXEC.BAT file using the Notepad tool, for example. Make sure the line has a line terminator at the end.

If your AUTOEXEC.BAT already has a setting for CLASSPATH, then simply add the *folder list* to the end of the existing CLASSPATH.

Now, at the DOS prompt, issue the command:

```
C:\> autoexec
```

to read in the CLASSPATH setting.

Verifying the CLASSPATH Setting in Windows

At the DOS command prompt, display the CLASSPATH setting by giving the DOS command

```
echo %CLASSPATH%
```