

Website and Code Example Package

WEBSITE

The book has a website useful for instructors and students.

<http://www.sofpower.com/java>

The site offers a complete code example package for downloading, deployed applets, automatic Java API search, FAQs, information updates, resources, useful links, and an errata.

Free for instructors, in a protected area on the site, are hands-on experiments, sample syllabus, homework instructions, and solutions to selected problems. Instructors please contact Brooks/Cole (Editor: Kallie.Swanson@brookscole.com) for access information.

Lecture notes for all 13 chapters, in PDF format ready for classroom use, are available from the website also.

EXAMPLE PACKAGE

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

`javaWang2.tgz` (for UNIX)

`javaWang2.zip` (for PC and Mac)

The package contains the following files and directories

```
README.txt  ex01/  ex02/  ex03/  ex04/
             ex05/  ex06/  ex07/  ex08/
             ex09/  ex10/  ex11/  ex12/
             ex13/  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 website:

<http://java.sun.com/j2se>

or from your computer vendor and install it following instructions.

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USAGE INSTRUCTIONS (UNIX)

Download the file `javaWang2.tgz` from the website into a destination directory, say `$home`, on your UNIX machine. Then unpack the file by:

```
cd $home
tar xzpvf javaWang2.tgz
```

to unpack and install the examples in the directory `$home/javaWang2`. 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

```
set loc = $home/javaWang2

set wp = $loc/ex06:$loc/ex08:
    $loc/ex04/textline:$loc/ex07/ticapplet:
    $loc/ex10/client:$loc/ex10/socket
```

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 (PC)

Download the file `jvW2.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:\jvW` with all the example files in it. You may now delete `javaWang2.zip` if you wish.

Now, you need to modify your environment variable `CLASSPATH`. This is done differently in Windows 95/98/ME and Windows NT/2000/XP.

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= .;C:\jvW2\ex06;C:\jvW2\ex08;  
C:\jvW2\ex04\textline;C:\jvW2\ex07\ticapplet;  
C:\jvW2\ex10\client;C:\jvW2\ex10\socket
```

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 above value to the end of the existing CLASSPATH.

Now, at the DOS prompt, issue the command:

```
C: \> autoexec
```

to read in the CLASSPATH setting. You can display the setting by giving the DOS command

```
C: \> echo %CLASSPATH%
```

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 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