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 package[1] 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 lastest 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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[1]This code example package is distributed under license from SOFPOWER. The code example package is for the personal use of purchasers of the book. Any other use, copying, or resale is prohibited.

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`
gunzip `javaWang2.tgz`

to make it into the javaWang2.tar file. Then do

tar `xvf javaWang2.tar`

to install the examples in the directory `$home/javaWang2`. You may now remove the `.tar` file if you wish.

Now you need to set the `CLASSPATH` environment variable by adding two lines to your shell start-up file (`.login`). First add these two lines

```
set loc = $home/javaWang2

set wp = $loc/ex06:javaWang2/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
```

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