

Errata

Listed below are the known errors in the first printing of the 4th edition of Java Software Solutions. **These errors will be corrected in the second printing, which will ship for the Spring 2005 semester.**

Many of these errors deal with the change that was made between beta versions of Java 5.0 regarding how a `Scanner` object is created. Instead of using the static `create` method (which no longer exists):

```
Scanner scan = Scanner.create (System.in);
```

you should use the `new` operator and the `Scanner` constructor:

```
Scanner scan = new Scanner (System.in);
```

This change has already been made in the code that is available on the book's CD.

Another general error: In several entries in Appendix M, the header **Variables and Constructs** should be **Variables and Constants**.

Page	Error
26	In the last sentence of the fourth complete paragraph, the phrase J2SE 1.5 should be J2SE 5.0 .
32	The reserved word assert should be added to the list of reserved words in Figure 1.18.
41	In first and last sentence of the first complete paragraph, the word jGrasp should be replaced with jGRASP . Also, the URL in the second sentence should be replaced with <code>www.jgrasp.com</code> .
89	The first and second paragraphs should discuss creating a <code>Scanner</code> object using the <code>new</code> operator instead of using the <code>create</code> method.
89	In the fifth complete paragraph, the phrase user, then should be replaced with user, stores it in a variable that holds a character string, then .
90	Figure 2.7 should list variations of the <code>Scanner</code> constructor instead of the <code>create</code> method.
90	In Figure 2.7, the method name userDelimiter should be useDelimiter .
91	In Listing 2.8, the line creating the <code>Scanner</code> object should be modified to use the <code>new</code> operator.

- 92 In Listing 2.9, the line creating the `Scanner` object should be modified to use the new operator.
- 92 In the output section for Listing 2.9, the input values of 328 and 11.2 should be shown in red type.
- 96 In the second sentence of the last paragraph, the word **Applet** should be **JApplet** and the phrase **java.applet** should be **javax.swing**.
- 107 The extra spaces in part d of Exercise 2.6 should be removed.
- 110 The last sentence of Programming Project 2.8 should be deleted.
- 114 The third paragraph should discuss creating a `Scanner` object using the new operator instead of using the `create` method.
- 115 In the first sentence of the first complete paragraph, the reserved word **null** should be shown in blue type.
- 129 In Listing 3.3, the line creating the `Scanner` object should be modified to use the new operator.
- 130 In the output of Listing 3.3, root #2 should be **-2.0**.
- 130 In the second sentence of the last paragraph, the phrase **Like a Scanner object, you** should be **You**.
- 132 In Listing 3.4, the line creating the `Scanner` object should be modified to use the new operator.
- 134 In Listing 3.5, the line creating the `Scanner` object should be modified to use the new operator.
- 136 In the last complete paragraph, the phrase **the third one 3** should be **the third one 2**.
- 138 The first paragraph discussing the compiler option should be deleted.
- 162 In the second sentence of the fourth paragraph, the phrase **A dotted line with an open arrowhead** should be **A dotted arrow** and the phrase **other wholly by linking mhods** should be **methods**.
- 162 In Figure 4.3, the triangular arrowhead should be a simple open arrowhead.
- 172 In Listing 4.3, the phrase **Murphy balance** should be **Smith balance** in two places: once in the code and once in the output.
- 195 In the last sentence of Exercise 4.1, the phrase **Return zero if** should be **Assume that**.
- 196 In the first sentence of Programming Project 4.2, the phrase **Project 4.3** should be **Project 4.1**.

- 196 In the last sentence of Programming Project 4.7, the phrase **full of** should be **containing**.
- 208 In Listing 5.1, the line creating the `Scanner` object should be modified to use the new operator.
- 211 In Listing 5.2, the line creating the `Scanner` object should be modified to use the new operator.
- 212 The sentence preceding the Using Block Statements section should be deleted.
- 219 In Listing 5.6, the line creating the `Scanner` object should be modified to use the new operator.
- 226 In Listing 5.7, the line creating the `Scanner` object should be modified to use the new operator.
- 229 In Listing 5.8, the line creating the `Scanner` object should be modified to use the new operator.
- 231 In Listing 5.9, the line creating the `Scanner` object should be modified to use the new operator.
- 234 In the nested while loop example at the top of the page, the increment statements should be switched (**count1++** should be **count2++** and vice versa).
- 239 The sixth paragraph should discuss creating a `Scanner` object using the new operator instead of using the `create` method.
- 240 In Listing 5.11, the two lines that create `Scanner` objects should be modified to use the new operator.
- 243 In the syntax box example, the phrase **Keyboard.readString** should be **scan.next()**.
- 244 In Listing 5.12, the line creating the `Scanner` object should be modified to use the new operator.
- 248 In Listing 5.13, the line creating the `Scanner` object should be modified to use the new operator.
- 261 In the first sentence of the fifth paragraph, the phrase **are overloaded in various ways to** should be deleted.
- 261 In Figure 5.10, the return type for the `showMessageDialog` method should be **void**, not **int**.
- 291 In the sixth paragraph, the second and third sentences should be switched and the last sentence should be deleted.

- 292 In the first sentence of the fifth paragraph, the phrase **In Chapter 2** should be **In Chapter 3**.
- 293 In the first sentence of the fourth paragraph, the phrase **uses a loop to instantiate** should be **instantiates**.
- 308 In Figure 6.2, the triangular arrowhead should be a simple open arrowhead.
- 313 In Listing 6.10, the line creating the `Scanner` object should be modified to use the `new` operator.
- 316 The semi-colon at the end of the last line on the page should be deleted.
- 317 The last paragraph discussing the compiler option should be deleted.
- 318 In Listing 6.11, the `public` modifier on the `Season` constructor should be deleted.
- 321 In Listing 6.13, the line creating the `Scanner` object should be modified to use the `new` operator.
- 323 In Listing 6.14, the line creating the `Scanner` object should be modified to use the `new` operator.
- 323 In the `translate` method of Listing 6.14, the order of the line creating the `Scanner` object and the line calling the `toLowerCase` method should be reversed.
- 325 In Figure 6.4, the triangular arrowhead should be a simple open arrowhead.
- 375 In Listing 7.2, the line creating the `Scanner` object should be modified to use the `new` operator.
- 376 In Listing 7.3, the line creating the `Scanner` object should be modified to use the `new` operator.
- 390 In the `for` loop at the top of the page in Listing 7.8, the explicit call to **toString** is unnecessary.
- 391 In Figure 7.3, the triangular arrowhead should be a simple open arrowhead.
- 391 In the `CDCollection` class of Figure 7.3, the phrase **to string()** should be **toString()**.
- 395 In the `if` statement at the top of the page, the condition **list.length == 0** should be **list.length != 0**.
- 404 In the third sentence of the first paragraph, the method name **elementAt** should be **remove**.
- 434 In the second sentence of the answer to question 7.4, the phrase **is needed** should be **is not needed**.

- 443 In the first sentence of the second paragraph, the word **inherit** should be **reference**.
- 451 In the first sentence of the first paragraph, the word **overloading** should be **overriding**. Also, in the last sentence, the word **Overloading** should be **Overriding**.
- 536 In Listing 10.2, the line creating the `Scanner` object should be modified to use the `new` operator.
- 543 In Listing 10.5, the line creating the `Scanner` object should be modified to use the `new` operator.
- 606 In Programming Project 11.1, the phrase **Chapter 3** should be **Chapter 5**.
- 633 In Programming Project 12.1, the phrase **Chapter 6** should be **Chapter 7**.
- 668 In Figure B.3, the digit E should be shown as the value 14 in decimal, resulting in a final value of 10894.
- 678 In Figure D.1, the Associates entry for Precedence Level 6 should be **L to R**.
- 679 In the last two lines of the Operation column of Figure D.1, the phrase **the assignment** should be **then assignment**
- 749 The return type of the `createCompoundBorder` method should be **CompoundBorder** (the `n` is missing).
- 832 All versions of the `showConfirmDialog`, `showInputDialog`, and `showOptionDialog` methods should have a return type of **int**, not **void**. Continues onto page 833.
- 864 The `Scanner` entry should list variations of the `Scanner` constructor instead of the `create` method.
- 865 On the twelfth line, the method name **userDelimiter** should be **useDelimiter**.
- 901 The index entry **JOptionPanel** should be **JOptionPane**.