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## Ivor Horton's Beginning Java 2, JDK 5 Edition

Ivor Horton

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Chapter	Page	Details	Date	Print Run
	Figures 1-4 and 1-5	<b>Error in Code</b> In both figures 1-4 and 1-5 the closing brace should be a right brace, "}"	06/02/2010	
	18	<b>Figure 1-7</b> The putHatOn() method appears twice. In place of the duplicate putHatOn() method, there should be a definition for the takeHatOff() method, as follows: // Method to take the hat off public void takeHatOff() { hatOn = false;           // Record hat status as off }	1/22/05	
	19	<b>Figure 1-7</b> In figure 1-7 the first line of the constructor definition and the comment preceding it should have CowboyHat in place of Hat, so they should be:  // Constructor to create a CowboyHat object public CowboyHat(String person, int theSize)	3/27/05	
	36	<b>Bottom right table entry</b> In the bottom right table entry the last sentence has a superfluous right parenthesis so it should read: The smallest non-zero value that you can have is roughly $\pm 4.9 \times 10^{-324}$ .	1/22/05	
	37	<b>Last sentence in paragraph at top of page</b> In the last sentence in the paragraph at the top of the page "9.0E <sup>-28</sup> " should read 9.0E-28.	1/22/05	
	43	<b>Figure 2-3</b> In Figure 2-3 the first line of the main() method should be: public static void main(String[] args) {	1/22/05	
	45	<b>2nd to Last Sentence, 2nd to Last Paragraph</b> The second to last sentence in the second to last paragraph should read:  "When the dividend is a negative integer of the largest possible magnitude and the divisor is -1 the result is the same as the dividend, which is negative and therefore violates the rule."	3/27/05	
	50	<b>Last sentence at bottom of page</b> The last sentence at the bottom of the page has a symbol missing and is unclear. It should be replaced by the following: For the more mathematically minded the result, $r$ , of the expression $a\%b$ , where $a$ and $b$ are non-zero floating-point values, is defined by the expression $a-(n.b)$ . The value $n$ has the same sign as $a/b$ and is the largest possible integer such that $a/n$ is less than or equal to the true quotient $a/b$ .	1/22/05	
	55	<b>2nd to last sentence in the 1st paragraph</b> The second to last sentence in the first paragraph contains a left parenthesis where the symbol $p$ should appear. It should therefore read: The Math class also defines double values for $e$ and $p$ , which you can access as Math.E and Math.PI respectively.	1/22/05	
	58	<b>Last code line for "Try It Out: The Math Class"</b> There is a discrepancy between the code for "Try It Out: The Math Class" and the sample output given. The last code line should be: System.out.println("The radius of a pond with area " + pondArea + " square feet is " + feet + " feet " + inches + " inches");	1/22/05	
	58	<b>Symbols in "How It Works" section</b> Symbols in the second paragraph in the "How It Works" section are not displayed correctly. The second sentence in this paragraph should read: Since the area of a circle with radius $r$ is given by the formula $\pi r^2$ , the radius must be $\sqrt{\text{area}/\pi}$ , so you specify the argument to the sqrt() method as the expression $\text{pondArea}/\text{Math.PI}$ , where Math.PI references the value of $p$ that is defined in the Math class:	1/22/05	
	62	<b>Error in "How it Works"</b> In the paragraph in the "How It Works" section following the three lines of code:  "letter1+2" should be "letter1+1".	3/21/05	

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66	<b>Error in Table</b> In the second table, where indicator is 0xFF09: the result(indicators & mask value)is printed: 0x0004  should be: 0x00	11/12/06
70	<b>2nd sentence below 1st line of code</b> The second sentence in the text below the first line of code has some zeros missing. It should read: The literal 0xFF is type int, so it is the binary value 0000 0000 0000 0000 0000 0000 1111 1111.	1/22/05
72	<b>Figure 2-7</b> The second to last expression in Figure 2-7 should assign the result of the shift operation to x, so it should be:  x = value >> 16; // Extract x from value (positive or negative)	3/27/05
76-77	<b>Error in Code</b> The output on page 77 does not correspond to the code on page 76.  There is a spurious \n character in the line of code third from bottom of page 76. The line should be:  System.out.println("Bit count in number: " + bitCount(number));	11/22/05
90	<b>Figure 3-2</b> In Figure 3-2 the right braces have erroneously been printed as right parentheses. The code should read:  if(expression) { statement1; } else { statement2; >br? next_statement;	3/21/05
94	<b>Missing ")"</b> There is a right parenthesis missing from the if statement that reads:  if(season.equals(Season.spring) {  so it should read:  if(season.equals(Season.spring)) {	1/22/05
105	<b>In the flowchart in Figure 3-5</b> The arrow leaving the block containing "Do value2 thing" should go to the block containing "Do default Action" and not direct to the block containing "Continue the Program".	1/22/05
105	<b>Missing spaces in first "} else line</b> The first "} else {" in the LetterCheck program is not indented correctly. It should be indented two more space so that the '}' aligns with the 'i' in the immediately preceding "if".	1/22/05
105	<b>Figure 3-5, Character Missing</b> In Figure 3-5 the last character is missing from the case label. It should be:  switch(expression){ case value1: //Do value1 thing  case value2: //Do value2 thing  ... default: // Do default action  }  // Continue the program	3/21/05
129	<b>Typos in Figure 3-9</b> In Figure 3-9 the three occurrences of "breaks our beyond" should be "breaks out beyond".	1/22/05
134	<b>Error in Text</b> 2. When testing whether an integer is a prime, it is sufficient to try to divide by integers up to the square root of the number being tested.  should be: When testing whether an integer is a prime, it is sufficient to try to divide by integers up to and including the square root of the number being tested.	02/25/07
137	<b>Wrong symbols in Figure 4-1</b> In Figure 4-1 the labels "primes(0)", "primes(1)", etc. should be "primes[0]", "primes[1]", etc.	1/22/05
139	<b>Wrong labels in Figure 4-2</b> In Figure 4-2 the labels on the rightmost two array elements in the lower array should be "primes[48]" and "primes[49]".	1/22/05
150	<b>Wrong label in Figure 4-5</b> In Figure 4-5 the second element in the second row should be labeled "samples[1][1]" instead of "samples[2][1]"	1/22/05
156	<b>Error in Code</b> String[] colors = { "red", "orange", "yellow", "green", "blue", "indigo", "violet";  violet" should be : "violet"	08/05/08
174	<b>Error in Text</b> Line after the code snippet in the middle of the page:  "Then the expression String1.startsWith("Ides", 4) will have the value true." Should be changed to: "Then the expression string1.startsWith("Ides", 4) will have the value true."  Note the lowercase 's' of string1.	1/13/06

190	<b>Error in code</b> In the code fragment at the bottom of the page: long number = 999;  should be: long number = 99L;	09/05/06
202	<b>Error in Text</b> On page 202, 2nd para, last sentence, the "(" should be "pi".	2-23-11
203	<b>Pi represented as Left Parenthesis, Top of Page</b> In the last sentence in the paragraph at the top of the page $\pi$ has been printed as a left parenthesis. The sentence should read:  The Math class also contains some class variables containing useful mathematical constants such as e and $\pi$	3/21/05
203	<b>Pi represented as Left Parenthesis, 4th Sentence, 3rd Paragraph</b> In the fourth sentence in the third paragraph on the page $\pi$ has been printed as a left parenthesis. The sentence should read:  So, if you wanted to calculate the square root of $\pi$ you could access the class method sqrt() and the class variable PI that are defined in the Math class as follows:	3/21/05
204	<b>Error in Text</b> On page 204, 4th para, 2nd last sentence, same error.	2-23-11
210	<b>Pi represented as Left Parenthesis</b> In the the second sentence in first paragraph below the code $\pi$ has been printed as a left parenthesis. The sentence should read:  The method uses the class variable PI and the instance variable radius in the volume calculation – this is the expression 4.0/3.0*PI*radius*radius*radius ( corresponding to (4/3) $\pi r^3$ ) in the return statement.	3/21/05
304	<b>Error in Text</b> first paragraph, fifth line down: Because you have defined a constructor, no default destructor will be defined...  should be: Because you have defined a constructor, no default constructor will be defined...	8/28/06
306	<b>No Case in Switch</b> The definition of the toString() method in the middle of the page will not compile as written because there is no default case in the switch. The method should be defined as:  public String toString() { switch(this) { case small: return "S"; case medium: return "M"; case large: return "L"; case extra_large: return "XL"; default: return "XXL"; } }	3/27/05
549	<b>Figure 13-1 - Leftmost and Rightmost Boxes</b> The leftmost and rightmost boxes of the lower group of three in Figure 13-1 are incorrect.  The leftmost box should contain: LinkedList<String> that defines an object to store String object references in a linked list.  The rightmost box of the three should contain:  LinkedList<PolyLine> that defines an object to store PolyLine object references in a linked list.	4/21/05
613	<b>Typo in Figure 14-6</b> The Block "Enum" is repeated twice in the diagram.	11/20/08
614	<b>Error in bottom block of diagram in Figure 14-7</b> In Figure 14-7 "SortedList" in the block at the bottom of the diagram should be "SortedSet".	1/22/05
660	<b>Error in Code</b> At the bottom of the page the code line:  java.util.Arrays(people, new Person("John", "Doe"));  should be:  java.util.Arrays.fill(people, new Person("John", "Doe"));	4/21
661	<b>Error in Shaded Code</b> In the shaded code towards the top of the page the lines:  java.util.Arrays(people, 0, 50, new Person("Jane", "Doe")); java.util.Arrays(people, 0, 100, new Person("John", "Doe"));  should be:  java.util.Arrays.fill(people, 0, 50, new Person("Jane", "Doe")); java.util.Arrays.fill(people, 0, 100, new Person("John", "Doe"));	4/21/05
729	<b>Figure 16-4</b> In Figure 16-4 the text in the lower of the three boxes to the right in the figure labeled "thread3" should be:  "created as a user thread"	3/27/05
762	<b>Typo in Second Sentence, Last Paragraph</b>	3/27/05

There is a typo in the second sentence in the last paragraph on the page. The sentence should read:

"The static synchronizedList() method is a parameterized method in the Collections class that accepts an argument of type List<T> and returns a reference of type List<T> to a collection class object that is synchronized."

---

**772 Line of Missing Code, 2nd to Last Code Fragment**

3/27/05

There is a line of code missing from the try block in the second to last code fragment on the page, which should read:

```
try {
    UIManager.setLookAndFeel("com.sun.java.plaf.motif.MotifLookAndFeel");
    javax.swing.SwingUtilities.updateComponentTreeUI(aWindow);
} catch (Exception e) {
    System.err.println("Look and feel not set.");
}
```

There should also be a sentence following this code fragment that reads:

"Calling the static updateComponentTreeUI() method in the SwingUtilities class causes the frame window to be updated with the look-and-feel that is currently set."

---

**772 Line of Missing Code, Last Code Fragment**

3/27/05

There is a line of code missing from the try block in the last code fragment on the page, which should read:

```
try
{
    UIManager.setLookAndFeel( UIManager.getCrossPlatformLookAndFeel() );
    javax.swing.SwingUtilities.updateComponentTreeUI(aWindow);
}
catch (Exception e)
{
    System.err.println("Look and feel not set.");
}
```

---

**772 Error in Shaded Code Block**

4/21/05

The last shaded block of code on the page should be:

```
try
{
    UIManager.setLookAndFeel( UIManager.getCrossPlatformLookAndFeelClassName() );
    javax.swing.SwingUtilities.updateComponentTreeUI(aWindow);
}
catch (Exception e)
{
    System.err.println("Look and feel not set.");
}
```

---

**772 Error in Code**

4/21/05

In the sentence following the last shaded block of code on the page:

"getSystemLookAndFeel()"

should be

"getSystemLookAndFeelClassName()".

---

**878 Error in Code**

05/26/2008

code example on page 878 is missing an import statement:

import javax.swing.SwingUtilities;

---

**1402 Last sentence before "Hexadecimal Numbers" section**

1/22/05

The last sentence preceding the section title "Hexadecimal Numbers" should read:

In general, if you have n bits available, you can represent 2<sup>n</sup> positive integers with values from 0 to 2<sup>n</sup>-1.

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