

Errata for Effective Java, Third Edition

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Fixed in second printing:

p. xvii, par. 3: The comma after “Yoshiki Shibata” should be a period.

p. 8, par. 4: In the first sentence, the word “produce” should be “produces.”

p. 75, par. 3: The reference to "Item 15" should be replaced by "Item 10."

p. 164, par 3: In the first sentence, the type should be changed from `Optional<String>` to `Optional<Operation>`.

p. 213, code ex. 1, Changed lambda param names (`v1`, `v2`) to (`oldVal`, `newVal`) for clarity.

p. 322, par. 4: The reference “Herlihy08” should read “Herlihy12.”

p. 370, second ed. item numbers 69 and 74: Third ed. item numbers 81 and 86 are duplicated.

Fixed in third printing

p. viii, Item 47: Typewriter font should be used for the types `Collection` and `Stream`.

p. 18, par. 2: The method reference `elvis::instance` should read `elvis::getInstance`.

p. 184, code ex. 1:

```
System.out.println("Invalid @Test: " + m);
```

should read:

```
System.out.println("Invalid @ExceptionTest: " + m);
```

p. 184, code ex. 2: For consistency with the preceding example (and greater generality), the sole attribute declaration in the annotation declaration, which currently reads:

```
Class<? extends Exception>[] value();
```

should read:

```
Class<? extends Throwable>[] value();'
```

p. 185, code ex. 2: To accommodate the change to the annotation declaration on p. 184, the two instances of `Class<? extends Exception>` in this code fragment must be changed to `Class<? extends Throwable>`.

p. 186, code ex 1: Analogous to the change on p. 184, code ex. 2.

p. 186, par. 3: The prose “you much check” should be replaced by “you must check.”

p. 198, table row 5, col. 3: The constructor invocation “new `TreeMap<K, V>`” is missing parentheses. It should read “new `TreeMap<K, V>()`”

p. 334, Second code example. ***This is a serious error!*** The current code can return null if multiple threads race to initialize the field. Here’s how the code should look:

// Double-check idiom for lazy initialization of instance fields

```
private volatile FieldType field;
```

```
private FieldType getField() {
    FieldType result = field;
    if (result != null)    // First check (no locking)
        return result;

    synchronized(this) {
        if (field == null) // Second check (with locking)
            field = computeFieldValue();
        return field;
    }
}
```

To be fixed in fourth printing

p. 46, code ex. 1: Added “caption” // **Explicit null check - unnecessary!** for clarity.

p. 46, code ex. 2: Added “caption” // **Implicit null check - preferred** for clarity.

p. 55, par. 1, 4: The string representation `PhoneNumber@163b91`, which occurs twice in paragraph 1 and once in paragraph 4, should be `PhoneNumber@adbbd`, reflecting the actual hash code of the `PhoneNumber` instance for 707-867-5309.

p. 94, par. 2: The command line switch `-tag "apiNote:a:API Note:"` should be replaced by the switch `-tag "implSpec:a:Implementation Requirements:"`.

p. 104, par. 3: The reference to Chapter 6 (for lambdas) should read “Chapter 7.”

p. 114, par. 4: The reference to Chapter 6 (for lambdas) should read “Chapter 7.”

p. 118, code ex. 3: The formatting is wrong, and there are two missing braces. The corrected code looks like this:

```
// Raw iterator type - don't do this!  
for (Iterator i = stamps.iterator(); i.hasNext(); ) {  
    Stamp stamp = (Stamp) i.next(); // Throws ClassCastException  
    stamp.cancel();  
}
```

p. 118, code ex. 5: The statement `c.add(new Coin());` should read `stamps.add(new Coin());`

p. 128, par. 2: In the first sentence, the word "use" (before "invoke") is extraneous, and should be removed.

p. 137, par. 4: The word “list” in the phrase “the elements of the list” (after the code example, in the last paragraph on the page) should be replaced by “collection.”

p. 138, par. 2: The word “list” in the phrase “the list is empty” should be replaced by “collection.”

p. 140, par. 1: The phrase “a special kind of parameterized type call a bounded wildcard type” uses the wrong verb tense: “call” should be replaced by “called.”

p. 164, par. 2: The item reference for the term “constant variables” should be “(Item 24),” where the term is defined, not “(Item 34),” which is a self-reference.

p. 191, par. 3: The chapter reference for “Java’s serialization facility” should be “(Chapter 12),” not “(Chapter 6).”

p. 242, par. 2: The method `remove(E)` does not exist; the actual method is `remove(Object)`. The parameter type should be changed in the first sentence, and the second sentence should be simplified to read: “Prior to Java 5 when the `List` interface was “generified,” the corresponding parameter types, `Object` and `int`, were radically different.