

## Errata in the CS 106B Reader

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The crowdsourcing approach to copy-editing the reader is working wonderfully. Here are the distinct errors that people have found in the reader so far:

**Page i:**

- Bjarne Stroustrup's name is misspelled in the introduction.
- *comprehensive in the process* → *comprehensive process*

**Page 2:**

- The period is missing at the end of the first paragraph.

**Page 4:**

- Bjørn Myhrhaug joined the SIMULA team after 1967 and is not one of the inventors.

**Page 5:**

- The period is missing at the end of the second paragraph.

**Page 9:**

- *specifying a header file in an #include line* → *reading in a header file using #include*

**Page 12:**

- Clarification: *continuing up to limit* → *continuing up to and including limit*

**Page 19:**

- Missing a comma after the integer 2
- Clarification: *called atomic types* → *called atomic or primitive types*.

**Page 21:**

- *by a integral power* → *by an integral power*
- *on page xxx* → *on page 34*

**Page 26:**

- *Leaning how to define* → *Learning how to define*

**Page 29:**

- *There / operator* → *The / operator*

**Page 45:**

- *pattern from the main program count* → *pattern from the main program counts*
- *body of the loop than* → *body of the loop then*
- *single-letter* → *single-letter names*
- *convention exists making* → *convention exists makes*

**Page 46:**

- *earlier examples suggests* → *earlier examples suggest*

**Page 50:**

- *angle brackets of quotation marks* → *angle brackets or quotation marks*

**Page 58:**

- *responsibility . . . them* → *responsibility is learning how to use functions*

**Page 59:**

- *must appear in the both the function* → *must appear in both the function*
- *if the code appears in once* → *if the code appears only once*

**Page 72:**

- *both parameters and local variable* → *both parameters and local variables*

**Page 82:**

- The note about `EXIT_FAILURE` is no longer relevant
- *defined on page xxx* → *defined on page 40*
- *to implements* → *to implement*

**Page 84:**

- *C++ lets you freely convert* → *While C++ lets you freely convert*

**Page 89:**

- *since if fits* → *since it fits*

**Page 92:**

- The period is missing at the end of the second-to-last paragraph.

**Page 101:**

- *smaller its argument* → *smaller than its argument*

**Page 103:**

- *large positive* → *large positive number*
- *low is negative number* → *low is a negative number*

**Page 105:**

- *Since, the first call* → *Since the first call*

**Page 108:**

- *Chapter x* → *Chapter 11*

**Page 111:**

- *values represents the distance* → *values represent the distance*

**Page 112:**

- `updateDisplay()` → `repaint()`

**Page 118:**

- *write the necessary to code* → *write the necessary code*

**Page 121:**

- Repeated word *suggested*

**Page 125:**

- The page numbers 125 and 126 appear twice.
- *enter both a user's full name* → *enter a user's full name*

**Page 126a:**

- *define your own classes in Chapter 7* should refer to *Chapter 6*.

**Page 126b:**

- *consists whitespace characters* → *contains whitespace characters*
- *from the `strlib.h` library* → *from the `simpio.h` library*

**Page 129:**

- *using a extremely* → *using an extremely*

**Page 130:**

- *assign a values* → *assign a value*

**Page 134:**

- *exercise xxx* → *exercise 1*

**Page 141:**

- The `getline` function is used without explanation.

**Page 145:**

- *Table 3-1 on page xxx* → *Table 3-1 on page 128*

**Page 146:**

- Questions 10 and 12 are duplicates.

**Page 147:**

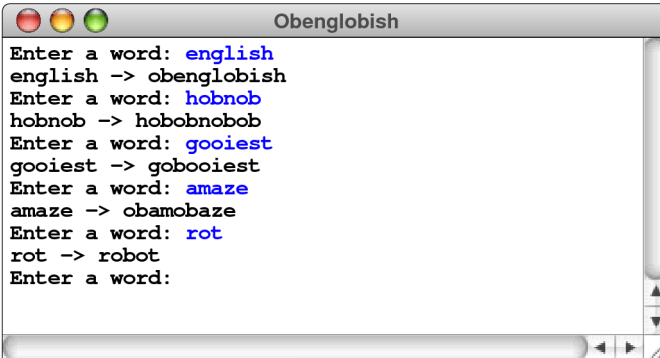
- Questions 21d and 21e are duplicates.

**Page 148:**

- *characters from `str`* → *characters from the beginning and end of `str`*

**Page 152:**

- The sample run for the Obenglobish exercise should read



```
Obenglobish
Enter a word: english
english -> obenglobish
Enter a word: hobnob
hobnob -> hobobnobob
Enter a word: gooiest
gooiest -> gobooiest
Enter a word: amaze
amaze -> obamobaze
Enter a word: rot
rot -> robot
Enter a word:
```

The entry for *amaze* was incorrect.

**Page 159ff:**

- The section heading at the top of the page is incorrect in section 5.1.

**Page 160:**

- *explicitly* → *explicitly*
- *scientic* → *scientific*

**Page 175:**

- *What would great is if* → *It would be great if*

**Page 177:**

- The sentence beginning *But what happens if*. . . needs a question mark at the end.

**Page 184:**

- *and consequently more complex—that* → *and consequently more complex—than*

**Page 197:**

- *Chapter xxx* → *Chapter 20*

**Page 198:**

- *Chapter xxx* → *Chapter 14*
- *initializes the variable `vec`* → *initializes the variable `lines`*

**Page 201:**

- *Bounds checking* → *Bounds-checking*

**Page 203:**

- `scores.add(0)` → `golfScores.add(0)`

**Page 213:**

- Figure 4-3 should be Figure 5-3

**Page 226:**

- *template class than must be* → *template class that must be*
- *variables in by* → *variables by*

**Page 227:**

- In Table 5-5, *replace* → *replaced*

**Page 228:**

- Second instance of `symbolTable.get("pi")` should be `symbolTable.get("e")`

**Page 232:**

- *making it possible use* → *making it possible to use*

**Page 233:**

- *Chapter xxx* → *Chapter 18*
- *index values run from 1 to 3* → *index values run from 0 to 3*

**Page 235:**

- *appear in Table 5-7* → *appear in Table 5-9*

**Page 236:**

- The top-of-page heading for this section is incorrect.

**Page 237:**

- The top-of-page heading for this section is incorrect.
- The period is missing after the sentence ending with *proposed for a future release*.

**Page 240:**

- Figure numbering in Chapter 5 is incorrect (it contains duplicates and skipped values).

**Page 241:**

- In Figure 5-11, *counts in in the* → *counts in the*

**Page 243:**

- *your would like* → *you would like*

**Page 244:**

- *a element* → *an element*

**Page 262:**

- *as a tradition structure* → *as a traditional structure*

**Page 264:**

- *that value to variable* → *that value to a variable*

**Page 265:**

- *conctructors* → *constructors*

**Page 268:**

- *in the .c file* → *in the .cpp file*

**Page 271:**

- *would be be better* → *would be better*

**Page 273:**

- The operator `<=` should be `<<`

**Page 285:**

- *something line this* → *something like this*

**Page 285:**

- *something line this* → *something like this*

**Page 293:**

- *implementation of `operator++`* → *implementation of `operator+`*

**Page 305:**

- The sentence beginning *The examples in this chapter* is broken and should be ignored.
- *in the .c file* → *in the .cpp file*

**Page 345:**

- *Figure 7-3 check for* → *Figure 7-3 checks for*

**Page 346:**

- Bode's law is now known as the "Titius-Bode law" to give proper credit
- The subscripts in the series of *b* values repeat 1.

**Page 352:**

- Missing diacriticals in Édouard Lucas

**Page 388:**

- Missing diacriticals in Waclaw Sierpiński.

**Page 392:**

- *Daedelus* → *Daedalus*

**Page 396:**

- Eliminate redundant *for example* in sentence 2

**Page 399:**

- Figure 9-3 is skipped, so the figures need to be renumbered

**Page 409:**

- *is far more general* → *is more widely applicable*

**Page 431:**

- Missing diacriticals in *Dühning*

**Page 443:**

- *for every value of  $N \leq N_0$*  should read  *$N \geq N_0$*

**Page 447:**

- *v1 or v2, have been created, the rest* → *v1 or v2, the rest*
- *two smaller vector* → *two smaller vectors*

**Page 453:**

- *shown in Figure 10-5* → *shown in Figure 10-8*

**Page 476:**

- *90s* → *'90s*

**Page 480:**

- *standard give compiler-writers* → *standard gives compiler-writers*

**Page 527:**

- *it is learn* → *it is important to learn*

**Page 528:**

- *object on the head* → *object on the heap*
- *block of piece of memory* → *block of memory*

**Page 538:**

- *constuctor* → *constructor*

**Page 531:**

- Missing comma after *for example*
- *generally take more time* → *generally takes more time*

**Page 537:**

- *private section make it possible* → *private section makes it possible*

**Page 538:**

- *The only time things get tricky if* → *The only time things get tricky is if*

**Page 540:**

- *The advantage of using destructors is → The advantage of using destructors is that*

**Page 550:**

- The function name **free** is set in the wrong font in *the second call to free*

**Page 554:**

- *individual heal values → individual heap values*

**Page 555:**

- *Why does is make sense → Why does it make sense*

**Page 558:**

- *It it is missing → If it is missing*

**Page 563:**

- *build a extremely → build an extremely*