

File: errata.txt

Last modified on Thu Oct 20 14:13:14 1994 by eroberts

This file describes the most serious errors that have been uncovered in the text. These errors will be corrected in the second printing.

Page 124, second-to-last text line before Figure 4-6:

The sentence beginning with "Duplication of code" is missing a "not" that renders the whole idea meaningless. The sentence should read as follows:

Duplication of code presents a serious maintenance problem because subsequent edits to one set of statements might not be made to the other.

Page 182, second and third paragraphs:

The name of the function given in the exercise does not match the name in the code, which is correct. Every instance of `GetYesNoResponse` in these paragraphs should change to `GetYesOrNo`, as follows:

Write a predicate function `GetYesOrNo` that takes a prompt string as its argument and displays that prompt as a question to the user. If the user responds with the word `yes`, `GetYesOrNo` should return `TRUE`. If the user responds with `no`, `GetYesOrNo` should return `FALSE`. If the user gives any other response, the function should display a message informing the user of the legal responses and then ask the question again.

Given the `GetYesOrNo` function, you could then change the game-playing loop to

Page 241, first paragraph:

I changed the constants in the code without correcting the paragraph that talks about them. The code is correct, and the first three sentences in the paragraph need to change as follows:

Before you start writing the actual program, however, notice that this specific house has many attributes that define its shape. For example, the house is 3.0 inches wide. The distance from the ground to the attic is 2.0 inches, with another 0.7 inches to the peak of the roof.

Page 503, fourth line in Table 14-1:

The first word in the fourth entry should be `strncat`, not `strncpy`, which was already listed on line 2. Thus the first four lines of the table should read:

<code>strcpy(dst, src)</code>	Copies characters from <code>src</code> into <code>dst</code>
<code>strncpy(dst, src, n)</code>	Copies at most <code>n</code> characters from <code>src</code> into <code>dst</code>
<code>strcat(dst, src)</code>	Appends characters from <code>src</code> to the end of <code>dst</code>
<code>strncat(dst, src, n)</code>	Appends at most <code>n</code> characters from <code>src</code> to <code>dst</code>

Page 552, last text paragraph before sample run:

This paragraph uses `ReadLine`, `readline.c`, and `readline.h` when it should be using `ReadFile`, `readfile.c`, and `readfile.h`. The corrected paragraph looks like this:

Put the implementation of `ReadFile` in a separate `readfile.c` file and design a `readfile.h` interface that gives clients access to it. Use the `readfile.h` interface to write a main

program that displays the lines in a file in reverse order. For example, given the prospero.txt file as input, the output of the program should be

Page 603, second paragraph:

Because of a last-minute change in the text, my math is off by a factor of 10 in this paragraph. The two instances of 100,000 should each be 10,000, so that the paragraph reads as follows:

If you know someone who is willing to write a check for the entire \$1,000,000, your job is easy. On the other hand, you may not be lucky enough to have friends who are generous millionaires. In that case, you must raise the \$1,000,000 in smaller amounts. If the average contribution to your organization is \$100, you might choose a different tack: call 10,000 friends and ask each of them for \$100. But then again, you probably don't have 10,000 friends. So what can you do?

Page 660, second marginal entry from the end:

The word NULL must be entirely in uppercase Courier. It's correct in the text, but wrong in the margin.

Page 663, second line on the page:

The arguments to putchar are incorrect. The first two lines should look like this:

```
int putc(char ch, FILE *outfile);
int putchar(char ch);
```

Page 665, last entry on the page:

The entry for atan2 is wrong and should be replaced as follows:

```
int atan2(double y, double x);
```

This function returns the angle formed between the x-axis and the line extending from the origin through the point (x, y). As with the other trigonometric functions, the angle is expressed in radians. Note that y appears first in the argument list.