

Errata



Errata for *21st Century C*

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Confirmed Errata

Unconfirmed Errata

The errata list is a list of errors and their corrections that were found after the product was released.

The following errata were submitted by our customers and have not yet been approved or disproved by the author or editor. They solely represent the opinion of the customer.


Color Key: Serious technical mistake Minor technical mistake Language or formatting error Typo Question

Note Update

Version	Location	Description	Submitted by	<u>Date submitted</u>
Safari Books Online	Ch13 Section: "The GNU Scientific Library" Code listing: "Example 13-4"	The notes underneath the code listing for "Example 13-4" don't link back to the specific line of code that the note is talking about. Note from the Author or Editor: I'm unable to replicate, in that it seems that 13-4 has identical treatment to all the other callouts throughout (in the source for the book and the safari version). Is this something about the processing from source -> safari?	Yung-Jin (Joey) Hu	Apr 16, 2017
Safari Books Online	? Example 1.1	You write "(for me, at least; if the statistical jargon is Greek to you, that's OK)" Can you point to learning resources if that's indeed Greek to me, and I'm not OK with not understanding. The problem comes up again	Anonymous	Jul 05, 2019

Printed	Page 47 4th paragraph	<code>p xmlElemDump(stdout, \$arg0, xmlDocGetRootElement(\$arg0))</code> should read <code>p (void) xmlElemDump(stdout, \$arg0, (xmlNodePtr) xmlDocGetRootElement(\$arg0))</code> <code>gdb 9.1</code> under Ubuntu (at least) complains about unknown return types unless both <code>xmlElemDump</code> and <code>xmlDocGetRootElement</code> are cast.	bl4krat	Sep 04, 2020
Other Digital Version	52 1402 of 10985 of the Kindle Edition	The book states to use <code>"valgrind --db-attach=yes your_program"</code> ; however, that option appears to be deprecated. I'm on Debian 9 using <code>valgrind-3.12.0.SVN</code> . I believe the modern-equivalent is <code>"--vgdb=no yes full -- vgdb-error=0"</code>	Andy Alt	Dec 14, 2018
Other Digital Version	56 Location 1494 in the Kindle Edition	I'm reading from the Kindle Edition, and using Debian 9, <code>automake v1.15</code> . <code>"check_CFLAGS += -DTest_operations"</code> had no effect when I tried it (<code>"Test_operations"</code> didn't get defined). I needed to precede <code>_CFLAGS</code> with the name of the source library: <code>check_LIBRARIES = librmw.a librmw_a_SOURCES = \$(rmw_SOURCES) librmw_a_CFLAGS = \$(AM_CFLAGS) -DTEST_LIB</code>	Andy Alt	Dec 10, 2018
Printed	Page 153 Example 7-2 in <code>main()</code> at call to <code>at_quick_exit</code>	On OS X Mojave, the compiler gives a warning when compiling <code>noreturn.c</code> with <code>CFLAGS="-Wall -g -std=gnu11 -O3"</code> : <code>noreturn.c:27:5: warning: implicit declaration of function 'at_quick_exit' is invalid in C99 Checking stdlib.h</code> on my Mac, <code>'quick_exit()'</code> and <code>'at_quick_exit()'</code> are indeed not defined. I did some research online and it seems to be a known issue for OS X, but couldn't find a solution. (It works perfectly fine though on Ubuntu, but I thought it would be good to mention)	Artagan Malsagov	Nov 28, 2020
Printed	Page 155 Third to last paragraph	The sentence "That's for a 32-bit float, which is the minimum standard anymore." I think the second part should be "...,which isn't the standard anymore."?	Artagan Malsagov	Nov 28, 2020
Printed	Page 174 First and second paragraph	1) First sentence of first paragraph: "...and some of the year-month values above...", I don't think there where any year-month values used in Ch.8 2) First sentence of second paragraph: "...than the <code>#if /#error/ #endif</code> form...". I think this should be <code>#ifndef /#error /#endif</code> form? Similarly for the first sentence of the third paragraph?	Artagan Malsagov	Dec 06, 2020

	paragraph of "Linkage with static and extern"	statement. I think it should be: <code>return (a > b) ? a : b;</code>		
Printed	Page 183 1st paragraph	The second sentence of the first paragraph (after example 8-6): "But when you compile it, you'll find that you get a warning clang says:...". I think "warning" and "clang" should be separated.	Artagan Malsagov	Jan 03, 2021
Printed	Page 183- 184 Example 8- 7	When I compile constfusion.c on Mac OS X, I get the clang warning about discarding qualifiers in nested pointer types, but the output is: <code>x=20 y=30</code> So the assignment of <code>*var=30</code> did not lead to <code>fixed=30</code> when compiling with clang, is this normal?	Artagan Malsagov	Jan 03, 2021
Printed	Page 183- 184 Example 8- 7	PS: result from question above (submitted Jan 03, 2021) resulted from compiling constfusion.c with: <code>export CFLAGS="-g -std=gnu11 -O3"</code> make constfusion	Artagan Malsagov	Jul 15, 2021
Printed	Page 188 Example 9- 2	When compiling getstrings.c on Linux Ubuntu (and also when compiling sasprintf.c) I get a warning about ignoring the return value of asprintf: <code>getstrings.c:11:5: warning: ignoring return value of 'asprintf', declared with attribute warn_unused_result [-Wunused-result]</code> <code>asprintf(&cmd, "strings %s", in);</code> In the spirit of treating warnings as seriously as possible, is there a way of telling the compiler that this is oke? Or should one always assign the return value of asprintf and do something with it?	Artagan Malsagov	Feb 14, 2021
Printed	Page 188 Example 9- 2	PS: warning above resulted from compiling getstrings.c with <code>export CFLAGS="-g -Wall -std=gnu11 -O3"</code> #the usual. make getstrings	Artagan Malsagov	Jul 15, 2021
Printed	Page 189 Example 9- 3	When compiling asprintf.c on MacOS the following error is generated: ***** <code>asprintf.c:15:5: error: conflicting types for 'asprintf' int asprintf(char **str, char* fmt, ...) { ^</code> <code>/Library/Developer/CommandLineTools/SDKs/MacOSX.sdk</code> note: previous declaration is here <code>int asprintf(char **_restrict, const char * _restrict, ...) __printflike(2, 3);</code> *****	Artagan Malsagov	Mar 02, 2021

				
Printed	Page 189 Example 9-3	PS: result from question above (submitted Mar 02, 2021) resulted from compiling asprintf.c with: CFLAGS="-g -Wall -std=gnu11 -O3 -DTest_asprintf" make asprintf	Artagan Malsagov	Jul 15, 2021
Printed	Page 193 Example 9-4	In example 9-4, sasprintf.c is missing preprocessor directive for asprintf: #define _GNU_SOURCE Example code in github repo does have it though.	Artagan Malsagov	Jan 28, 2021
Printed	Page 240 Example 10-19	In the book, Example 10-19 misses the preprocessor directives to include asprintf. In the code on github these are included, but in the book example not. #define _GNU_SOURCE //cause stdio.h to include asprintf #include <stdio.h> //asprintf	Artagan Malsagov	Mar 03, 2021

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