

Forum:[Hack Forums](#)

Thread: [New to C/C++? Look Here First! E-Books, Compilers, and Guides](#)

Super Effective - April 10, 2012, 8:08 pm

Preface:

I am tired of seeing a dozen or more "help me learn C++" or "point me to a good ebook" threads in this section. This thread might not help alleviate the problem, but hopefully some of those people will see this and refrain from making an all-too-common post.

Take note that this thread is not done, nor do I plan for it to be done (unless no one likes it). I will be updating this with new information and suggestions for additional books, websites, and IDE's. If you have a suggestion or an improvement to make, PM me.

Introduction

This thread is designed to compile the contents of any helpful thread I can find into one easy resource for new programmers. This includes ebooks, real books, some websites you can learn from, and places to download various IDE's for various operating systems.

To start out, here are some things that are nice to know:

C was created in 1973 by Dennis Ritchie (1941 - 2011).

C++ was created in 1980 by Bjarne Stroustrup at Bell Labs (1950 -).

C is the base of almost all computers, including Windows, Unix, and iPhones.

Any proper C code can be compiled by a C++ compiler.

C and C++ can be compiled on both Unix and Windows operating systems, but certain pieces of code are non-portable. (Ex. `system()`)

Now onto the books and references.

Real Books

Yes, real books. The ones you buy. People nowadays don't understand that real books are good to learn from. Arguably better than e-books. So, if you have some money and really want to learn the concepts of C and C++, consider buying a few of these books.

Note: These are only books I have personally. I'd be happy to add books you think are good enough for others to learn from.

[The C Programming Language \(Written by Dennis Ritchie, the creator of C\)](#)

[The C++ Programming Language \(Written by Bjarne Stroustrup, the creator of C++\)](#)

[Microsoft C - Programming for the IBM](#)

[Inside Visual C++](#)

E-Book Threads

In this section I will post current and old threads relating to e-books and the like. I will not post them directly here simply because that would be stealing the original posters work. However, there is an exception for people who feel the need to use adf.ly links. In that case, I will post the direct link and their thread. You choose which to go to. Note that I do not account for duplicates and if you find any you will have to take care of them yourself.

Feel free to comment and thank the posters who gave you links to these e-books if you feel like it.

Format: Username - Title.

Warning: A common mistake new people make is download all the e-books they can and thinking that will make them learn. That is wrong, as it generally ends up with a huge collection you will never read. Remember to only download e-books you will read. Try downloading one at a time and try to learn from it. If you download a huge pack, just focus on one book at a time.

[The Elite Noob - \[?\]\[C/C++\] Info, Resources, Links and FAQ \[?\]](#)

[Recycle Bin. - \[Updated\]????C++ Tutorials, Learning to Program in C++????\[Updated\]](#)

[Jackeh - C/C++ eBook Collection \(PDF + CHM\)](#)

[wingb0t - \[?\]\[C/C++\] Info, Resources, Links and FAQ \[?\]](#)

wingb0t's thread (used adf.ly): <https://hackforums.net/showthread.php?tid=2214719>

IDE's and Compilers

This section is devoted to all sorts of IDE's and compilers, if you couldn't tell from the section title. I will separate these into different operating system sections if they are not multi platform.

Windows

[NEX IDE - Right here from HackForums](#)

[Microsoft Visual Studio C++ - Express Edition](#)

[Minimalist GNU for Windows \(gcc/g++\)](#)

[Code::Blocks](#)

[Pelles C](#)

[Eclipse CDT](#)

Linux

Note: gcc comes pre-installed on most (all?) Linux distributions. It is a compiler, not an editor, and must be used via terminal.

[Code::Blocks](#)

[Eclipse CDT](#)

Mac

[XCode](#)

[Code::Blocks](#)

Guides

Here is where all the helpful and high quality guides go. If you think a guide qualifies, PM me the thread url.

[Spl3en - \[HowTo\] Windowed Applications \[GTK+\]](#)

Websites

Below is a list of helpful websites that you will probably end up using during your journey through C/C++. I find these invaluable for programming, as I always come across a function I'd like to learn more about.

[cplusplus.com](#) - Lots of function descriptions and examples. Includes tutorials.

[cprogramming.com](#) - Suggested here multiple times. Has lots of C resources.

[StackOverflow](#) - If you have a question, it is probably already answered on here.

[Microsoft Developer Network](#) - Search for a WINAPI function, get documentation. It's that simple.

[A rare feature that no one uses](#)

All documentation for IDE's and editors go to their respective forums.

Conclusion

Basically same as the top. I will continue to update this as new information and suggestions come to me. Feel free to PM suggestions for changes, additions, or omissions. Hope this is helpful to someone, but mostly I just hope this clears some of the spam.

Note: First draft, bound to be mistakes. Will edit as I find them.

MUT4NT - April 10, 2012, 8:37 pm

hey, it thread good, it will serve for the new users, redirect to your thread.

its is good idea, if something similar I can think I will one too, good job Super Effective

Akatsuki - April 10, 2012, 9:04 pm

Thank you very much! As a noob here on the forums and a person who truly wants to learn about C++ programming this definitely helped point me in the right direction.

royalkerry - April 10, 2012, 10:23 pm

now i am going to learn c/c++..

thank's :p

knishn - April 10, 2012, 10:54 pm

Nice thread... Thanx Super Effective.. Its good for beginner like me.. :-)

iVision - April 10, 2012, 11:16 pm

Lool already couple beginners:p

Lets keep this thread alive. And avoid stupid questions.

Nav - April 10, 2012, 11:26 pm

Nice thread. I may use it soon as I will learn c/c++ shortly!

Super Effective - April 11, 2012, 5:08 am

Glad to see some people are getting some help out of this. Remember, if you have anything to add such as good books, another e-book thread, a direct link to some ebooks (will credit in post), a website that teaches C/C++, etc just tell me in a PM and I will add it.

khaleekstyle - April 11, 2012, 6:06 am

(Apr 11, 2012 05:08 AM)Super Effective Wrote: [\[CITE\]](#) Glad to see some people are getting some help out of this. Remember, if you have anything to add such as good books, another e-book thread, a direct link to some ebooks (will credit in post), a website that teaches C/C++, etc just tell me in a PM and I will add it.

well, if you PM omni and told him to stick this thread on the top, it would be better - all members and visitors can see it, and everyone want to add somethin PM you and edit the thread

Thanks for your efforts, btw i am installing now MSVC express 2010 should i install also microsoft SQL ?

Thanks

Super Effective - April 11, 2012, 10:05 am

(Apr 11, 2012 06:06 AM)khaleekstyle Wrote: [\[CITE\]](#) well, if you PM omni and told him to stick this thread on the top, it would be better - all members and visitors can see it, and everyone want to add somethin PM you and edit the thread

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Thanks

I'm not sure asking for your thread to be stickied (at least for free) isn't allowed. However, if some moderator or admin thinks this would help as a sticky, then by all means do it.

As for SQL, if you work with databases then you'll use it probably, otherwise you can skip it.

khaleekstyle - April 11, 2012, 10:21 am

(Apr 11, 2012 10:05 AM)Super Effective Wrote: [\[CITE\]](#) I'm not sure asking for your thread to be stickied (at least for free) isn't allowed. However, if some moderator or admin thinks this would help as a sticky, then by all means do it.

As for SQL, if you work with databases then you'll use it probably, otherwise you can skip it.

well, i am new alittle bit to C++ world now, so i think i'll skip it and install it later

ven0m - April 11, 2012, 10:25 am

Nice compilation.

Thanks a lot for the share.

Super Effective - April 12, 2012, 2:10 pm

Updated thread slightly. Added Pelles C IDE and a new section where future guides will go. Thanks to Spl3n who made a good GTK+ guide which gave me the idea to add it to the list.

khaleekstyle - April 12, 2012, 3:01 pm

can you please change your avatar, it's scary !! :)

Super Effective - April 12, 2012, 3:03 pm

(Apr 12, 2012 03:01 PM)khaleekstyle Wrote: [\[CITE\]](#) can you please change your avatar, it's scary !! :)
Changed it. Hope you enjoy.

Now lets get back on topic. Anyone have suggestions for additions?

khaleekstyle - April 13, 2012, 4:12 am

(Apr 12, 2012 03:03 PM)Super Effective Wrote: [\[CITE\]](#) Changed it. Hope you enjoy.

Now lets get back on topic. Anyone have suggestions for additions?

thanks it's better :biggrin, btw if you make SDK totorial for windows applications.. it would be better

Super Effective - April 13, 2012, 5:28 am

(Apr 13, 2012 04:12 AM)khaleekstyle Wrote: [\[CITE\]](#) thanks it's better :biggrin, btw if you make SDK totorial for windows applications.. it would be better

I didn't make the tutorial, another member did. And by SDK, do you mean SDL by chance? I'm learning it at the moment, so I might be able to make a guide in the future if needed. However, it might be awhile since I'm just now getting the basics of the library.

Also, if you want to learn SDL as well and don't want to wait for a guide, there is an amazing step-by-step tutorial here:

<http://www.sdl tutorials.com/>

khaleekstyle - April 13, 2012, 7:46 am

(Apr 13, 2012 05:28 AM)Super Effective Wrote: [\[CITE\]](#) I didn't make the tutorial, another member did. And by SDK, do you mean SDL by chance? I'm learning it at the moment, so I might be able to make a guide in the future if needed. However, it might be awhile since I'm just now getting the basics of the library.

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no, SDK = Microsoft Software Development Kits, it used for making windows apps by MSVC, hope someone post a good tutorial about that!