

Forum:[Hack Forums](#)

Thread: [\[C/C++\] The Definitive Beginner's Guide towards learning Programming](#)

Irritable - January 12, 2012, 9:45 pm

Hello, and welcome. This is a short prologue to define who this thread is addressing, and the audience it is aimed at. ?

If you are wanting to learn programming in general, and have chosen C/C++ as your first language, this is the thread for you!

If you already know how to program in general, and are wanting to learn more about C/C++, then this is the thread for you!!

I will refer to Wikipedia, and other websites, as references for (reading/educating) extracurricular material.

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Commonly listed forums

Commonly listed APIs (Creating games & GUIs)

How to help yourself (Search engines & invaluable programming advice)

- A quick explanation of IDEs & compilers!

I highly suggest you read the Wikipedia pages! If nothing else, continue to read my descriptions...

- [Compiler](#)

- [Integrated Development Environment](#)

What an IDE is...

The acronym, "IDE," stands for: Integrated Development Environment. In short, what this means is: An IDE is a program, like any other, but geared towards a programmer. It contains many gimmicks (or luxuries, however you want to view it), such as automated command-line parameters for the linker, and/or the compiler itself (in conjunction with a simple, "Compile" button). Many IDEs also provide syntax checking (real-time is how IntelliSense operates), and syntax highlighting (a lot of IDEs offer the ability to modify what is highlighted, and what color(s) to use for the foreground/background of the highlighted words, or common parameters (such as function arguments)).

What a compiler is...

In the utmost ambiguous form: A compiler transforms a programmer's source code into '[object code](#)' (also called: '[machine code](#)').

The machine code is stored as/an object file/s, which are/is then used by a linker to generate an executable ('binary') program.

An IDE is not a compiler. An IDE is not tied to any single given compiler. Compilers and IDEs may be interchangeably used at will.

From my experience, this is a common misconception (EG: Code::Blocks and Visual Studio cannot both use the MSVC/GCC compilers).

- Getting started a. (Which compiler is best suited for you)

There is a wide array of options of compilers to choose from out there. Depending on what [platform](#) you're using, you'll be limited to particular ones.

There are compilers aimed at specific operating systems, and specific languages. There are compilers even aimed at cross-platform compatibility!

If you're running (almost) any operating system, and are aiming for cross-compatibility: Use the [GNU/GCC](#) compiler!

If you're running Windows (any flavor), and are aiming for Windows-only development: Use the [MSVC++ compiler](#)!

In a short summarization: Those are the most common modern compilers around today. ?

- Getting started b. (Installing an IDE/compiler)

Every IDE/compiler is installed differently. Especially for every operating system.

Instead of creating a step-by-step explanation of how to install every IDE/compiler, I will refer to the home-sites "Download" page.

[Code::Blocks](#) (Windows, Linux, and Mac OS/X 10.4+)

Download the ~74MB size file (Code::Blocks + MingW)

...

[Microsoft Visual Studio 2010 Express Edition](#) (Windows only)

Select your native language, and select "Install Now"

...

[Qt IDE](#) (Windows, Linux, and Mac OS/X)

Scroll down to the bottom of the page. Select your operating system.

...

[NetBeans IDE](#) (Windows, Linux, Mac OS/X, and Solaris)

Click on "Download" (find it in the list; It is ~49MB in size)

...

[Eclipse CDT](#) (Platform independent? Unsure)

Follow the "downloads" link near the top.

...

[CodeLite](#) (Windows, Linux, Mac OS/X)

Follow the page (very informative)

...

[Zeus Editor](#) (aimed at/for Windows-only)

Click on "Downloads" on the left pane

... As you can see! A WIDE variety of IDEs are out there! This is only a glimpse. ?

- Commonly listed C/C++ tutorials (YouTube & HTML)

HTML:[CPlusPlus Tutorial](#)

[Learn CPP Tutorial](#)

[Higher Computing for Everyone](#)

[C Programming Tutorial](#)

YouTube:http://www.youtube.com/watch?v=GMx_G05cqYI (TheNewBoston)

<http://www.youtube.com/watch?v=tyVhn0FWWB4> (Absolute n00b spoonfeed)

- Commonly listed forums[CodeCall](#)

[GameDev.net](#)

[DevMaster.net](#) (Full of professional programmers)

[DreamInCode \(DIC\)](#) (Full of newbies/experienced persons)

[Rohitab](#) (Full of hackers/crackers)

[Absolute Sp00nfeed](#) (Tight-nit inexperienced group)

- Commonly listed APIs (Creating games & GUIs)[WxWidgets](#)

[SDL \(Simple DirectMedia Layer\)](#)

[SFML \(Simple and Fast Multimedia Library\)](#)

[OpenGL](#)

[DirectX](#) (Windows/Tutorial link)

[Allegro](#)

[Nokia QT](#) (Used by NASA funded companies)

[GTK \(GIMP ToolKit\)](#)

[MSDN \(Microsoft Developer Network\)](#) (Windows/Tutorial)

[FLTK \(Fast Light Toolkit\)](#)

- How to help yourself (Search engines & invaluable programming advice)

If you've skipped to this part, you've skipped to the best part! ?

The most invaluable resource to anything on this earth starts with the letter 'Y,' and ends with an 'o.'
That word being: YOU!! Without YOU: YOU Cannot learn! Without YOU: There is no point.

The only way to learn programming is by you, through you, and for you... Programming is not for everyone.

Programming is about problem solving. If you do not like solving problems, programming might not interest you.

However, if you do love solving problems! And get excited over it (even now), read on! ?

The first and foremost answers you should seek, should come from: GOOGLE (or your favorite search engine).

If Google majestically fails you (somehow), the next step is to resort to searching say.. MSDN.

If MSDN (Microsoft Developer Network) fails you, search other particular websites (API libraries).

If those fail you, then search by searching forums (use their SEARCH engine that is provided).

If that fails you, then resort to creating an account, and posting a literate thread, explaining in depth what your issue is.

If that fails you! Finally resort to the last possible solution: Log onto an IRC network, or PM users on a forum.

If that fails you, then find a book, or some other resource that's guaranteed to solve your problem at hand.

The epilogue: If you have any commonly known of forums, or APIs, or anything else, please [PM me](#), do not post here. Thank you! ?

EDIT: Fixed the thread title (hours later)

EDIT: Updated the API list as per requested

erhanzz - January 13, 2012, 12:40 pm

Nice tutorial dude.

Hope there will be more c++ coders soon.

postbag - January 13, 2012, 12:56 pm

if i just knew how to give you rep+...

nice tutorial mate

Han. - January 13, 2012, 1:27 pm

Nice tutorial dude. I'm sure some beginners will appreciate this! You should add FLTK(Fast Light ToolKit) to APIs. ?

n00bzh4ckz - January 13, 2012, 4:30 pm

Oh man finally a good tut thanks bro, you should get a reward of some sort

d4rkj4y - January 14, 2012, 7:44 pm

This is what people should see, not those other shit tutorials that make me cry in this section :)

Props to you :D

CtrlAlt - January 15, 2012, 12:32 am

Great List for a beginner like me! :D

screwtap3 - January 18, 2012, 4:45 pm

i love you so much lol +3 to you man so insightful

Nityy - March 8, 2012, 12:17 pm

Will take a look tomorrow, looks great!

Thank you!

m1ndfr3ak - March 9, 2012, 2:24 am

Nice man :) keep up the good work :D :D

Cody8295 - March 22, 2012, 6:12 pm

StackOverflow is a great forum for programming.

jacobra2 - March 27, 2012, 1:32 am

hey thanks this is awesome. wish there were more posts like this.

khaleekstyle - April 3, 2012, 5:37 am

really appreciate your help.. this tutrial include a good knowledge about C++ which all programmers need it to improve there skills or to learn programming

SIM-73089 - April 8, 2012, 4:17 pm

You have to add an extra phrase at the end of the instructions.

"and if THAT fails you then we're all doomed."

Edit: oh, and good job.

josh - April 23, 2012, 11:01 pm

Thanks for making this tutorial. I'm bookmarking it so I can read it during some free time :D

Jash - May 14, 2012, 10:15 pm

wow man u have the best sig ever <3 itt

ontopic, so good im kinda liking c/c++ ryt noww

CryptShock - May 15, 2012, 12:17 am

Thanks for sharing this...

M learning c++ right now

partho22 - May 15, 2012, 11:14 am

... nice tutorial bro ... hats off for you =))

Ebol? - May 18, 2012, 11:15 pm

You should make this into a short e-book :D Easier to read that way. Very nice. :D I like this line the best: The only way to learn programming is by you, through you, and for you... Programming is not for everyone. The reason: It is SO true. :D Keep up the good work! <3

KingAroan - May 19, 2012, 12:14 am

Very well formatted, and insightful. I loved the extra phrases in their. Not every tut has to be so serious.

Mangalam51 - May 24, 2012, 11:29 pm

Awesome tutorial! Only one thing that kinda bugged me; as far as I know, "you" ends with 'u' not 'o'.

AQIB - May 25, 2012, 10:45 am

thanks for such a nice tuorial helped me a lot :p

Mohatu - May 27, 2012, 6:27 pm

Doesn't this look familiar?

<http://beingbored.net/Thread-Beginner-s-Guide-towards-learning-C-C>

Sinofield - May 27, 2012, 7:20 pm

Just a note: You don't have to prefix GCC with GNU. GCC stands for GNU Compiler Collection, so writing GNU/GCC is saying GNU/GNU Compiler Collection.

antigrav - May 27, 2012, 9:02 pm

(Jan 12, 2012 10:45 PM)Irritable Wrote: [\[CITE\]](#) The most invaluable resource to anything on this earth starts with the letter 'Y,' and ends with an 'o.'

That word being: YOU!! Without YOU: YOU Cannot learn! Without YOU: There is no point. You might wanna fix that. Otherwise, it's an AMAZING tutorial. :)

Sheepdawg - May 28, 2012, 10:57 am

The most invaluable resource to anything on this earth starts with the letter 'Y,' and ends with an 'o.'

Not sure if someone said this but 'o' should be 'u' as the word 'You' indeed does NOT end with 'o'. Cheers!

Lol...maybe next time I read second to last post. Still leaving it here just in case.

MorganFreeman - May 28, 2012, 11:08 am

This is great. The approach you take gets the info across in a clear, concise manner. Well done.

scrape41 - June 11, 2012, 6:36 am

Thanks for this post. This will help me allot before I start taking basic classes in c++.

????? - July 12, 2012, 1:17 am

a compact and helpful guide.... \m/ niceeee

alinh0 - August 5, 2012, 4:37 pm

"The most invaluable resource to anything on this earth starts with the letter 'Y,' and ends with an 'o.'

That word being: YOU!!"

I laughed very hard at that!

Also, very usefull thread. Many thanks.

DestinedForGreatness - August 10, 2012, 7:41 pm

I would rep if i could, thanks for the tutorial.

iVision - August 17, 2012, 2:24 am

Good tutorial never seen it before, just clicked your signature :P anyways you could link some books

to I think? Well at least C++ The Primer [i]n[/n]th edition. And The C Programming Language 2nd edition.

Elfocrash - August 17, 2012, 6:16 am

Nice one mate. As a beginner on that language i am really helped from that guide.

EMPIRERAIDER - August 18, 2012, 12:23 am

i have 2 words to say about this : LOVE IT

Quack - August 25, 2012, 12:51 am

Very nice, deserves more attention. Didn't even know this shit and I'm 5 chapters into a C++ book...

nuhin.13 - September 7, 2012, 7:10 am

very effective tutorial .. thnx dude..

GERB - September 7, 2012, 4:52 pm

Hello, I would love very much to have this ebook, Thank you!

SIM-639097 - September 13, 2012, 2:12 am

Very Nice, But as far as I am concerned:

"You" does not start with a Y and end with an O. ;)

But seriously, its great to have all the resources backed so nicely in one place. Great work. I appreciate it.

Shihanus - September 27, 2012, 3:16 pm

This deserves to be pinned so people can stop asking ridiculous quesitons.

TheRealHacker - September 27, 2012, 3:18 pm

(Sep 27, 2012 03:16 PM)Shihanus Wrote: [\[CITE\]](#) This deserves to be pinned so people can stop asking ridiculous quesitons.

Yeah, this will defiantly stop them from posting ridiculous quesitons!

prashant gupta - November 15, 2012, 8:56 am

I loved the section "How to help yourself".Its awesome..Great

ijswatch - November 16, 2012, 1:19 pm

Thanks for this mate! Nice tutorials included in there, I'm gonna look on them :D

sk0rg3 - November 16, 2012, 9:17 pm

freaking amazing

amazing tut, getting my program on now

thanks for this

?Dante - November 24, 2012, 8:27 pm

Just making the thread alive 'coz it's worth it for n00bs, as they make stupid threads again and again. This should keep 'em busy. ?

Nice thread mate. ?

-dantehh..?

King Sombra - November 24, 2012, 8:31 pm

Why does this tutorial not recommend any books?

?Dante - November 24, 2012, 8:34 pm

(Nov 24, 2012 09:31 PM)King Sombra Wrote: [\[CITE\]](#) Why does this tutorial not recommend any books?

Ask HIM Som. ?

Btw, it SHOULD. I got around 350mb of books on C++ :D I'm planning to post a thread for links on some major books (category wise). ?

King Sombra - November 24, 2012, 8:44 pm

(Nov 24, 2012 09:34 PM)dantehh Wrote: [\[CITE\]](#) Ask HIM Som. ?

No, I don't think he would listen to me. You see, to him I am only an ignorant child seeking attention. I think it would be best if you contact him yourself with my idea.

Quote:Btw, it SHOULD. I got around 350mb of books on C++ :D I'm planning to post a thread for links on some major books (category wise). ?

Please, do not post another thread giving away a large collection of books.

Kinanizer - November 27, 2012, 6:16 pm

Great guide, this is going to help me a lot.

pauli_prince - December 2, 2012, 2:33 am

Introduction to program simplified.

dimesnionn - December 6, 2012, 1:41 pm

I use Amazon to find Kindle books to download to my phone, and I also keep a notebook with me during school so when I have a free moment to read; I can write down anything that I might forget. Such as an idea, or a certain function that would be helpful for quick reference.

Tedeschi - December 11, 2012, 4:37 pm

One of the best guides i have seen on here, +3 to you if i could.

pharoas.trw - December 16, 2012, 7:18 am

Nice tutorial dude.

Hope there will be more c++ coders soon.

iSilenceYou - December 29, 2012, 11:10 am

Whoa! Thank you so much for this! Surely some very VERY useful information here. I've bookmarked it and I'll try to come back, since my #1 priority is to get into C++. Just the basics for now! ^_^

corsa - January 7, 2013, 12:10 pm

nice guide. im learning C this year and i want to start also with C++

BlissEsso - January 9, 2013, 1:07 am

Will defiantly reference the content's of this thread, When i Enter C++.

mihai1010 - January 9, 2013, 11:43 am

very good i know the cplusplus site and it's very good :D keep it up
i always learn something new every second

Irritable - January 12, 2013, 8:43 am

Thank you! All of you for posting, and all of the appreciative feedback. It means a lot. ?

55 replies later, 4,554 views: And only one post from me (now).

This thread has hopefully helped introduce plenty of people into the world of C++.
.. They should be a better person for it too.

This thread is officially one year old as of today. ?

Snrclub224 - January 12, 2013, 12:16 pm

(Jan 13, 2012 01:40 PM)erhanzz Wrote: [\[CITE\]](#) Nice tutorial dude.

Hope there will be more c++ coders soon.

Well I've been gone awhile, but I learned more about coding C++ while I was gone.

Dammit Not That Guy -- - January 13, 2013, 6:24 am

Nice tutorial mate :)!

but a little error,

Quote:starts with the letter 'Y,' and ends with an 'o.'
That word being: YOU!

"you" ends with an 'u' not an 'o' :P

AQIB - January 13, 2013, 7:56 am

thanks for this useful info. nyc :)

Orpheus315 - January 18, 2013, 7:56 am

Thnks a lot for the help, Learning now...

Arbitrage - January 18, 2013, 3:28 pm

This is a great tutorial. Thanks for posting.

CProgrammer3088 - January 30, 2013, 8:45 am

Great list of tutorials! Thanks alot!!!

TheKrieg - January 31, 2013, 4:30 am

Well I already know C++ pretty darn well, but this is a very nice guide for beginners, I'll have to recommend it to some people.

halique2013 - February 1, 2013, 11:00 am

just getting started, wow what a minefield this is! Anyway i want to download the code::blockaIDE but should i download binary or source code!

Aliosin - February 1, 2013, 11:19 am

Great tutorial. This tut will help me a lot. Thanks!

Irritable - February 1, 2013, 11:41 am

(Feb 1, 2013 12:00 PM)halique2013 Wrote: [\[CITE\]](#) just getting started, wow what a minefield this is! Anyway i want to download the code::blockaIDE but should i download binary or source code! You would probably want to download the binary format with the compiler combined with it already. If you already have a compiler, and/or know how to compile the source code for the IDE: Then download the source code.

Jet??? - February 1, 2013, 10:35 pm

I'll take a look at this when I wake up tomorrow, great job!

tips48 - February 9, 2013, 6:12 pm

Starts with 'Y' and ends with 'o'? Lol shouldn't it be ends with 'u' :P

Clark Kent™ - February 14, 2013, 2:23 pm

Sweet mother of tutorials thanks for this :)

\$pax - May 31, 2013, 11:20 am

this thread is amazing, why the fuck is this thread rated 2 stars?

this thread should be a sticky on this subforum section!!

Irritable - May 31, 2013, 3:55 pm

(May 31, 2013 11:20 AM)\$pax Wrote: [\[CITE\]](#) this thread is amazing, why the fuck is this thread rated 2 stars?

this thread should be a sticky on this subforum section!!

Oh that's because everybody decided to copy my thread a week(?) after I posted it last year.

Then those same people decided to pay \$40 on a forum so they could turn pixels different colors. Lol.

Uprate it or ask "Ub3r" members to uprate it if you'd like. It's a free country. ?

BoSSaLiNiE - June 2, 2013, 10:29 am

nice thread thanks for writing this tutorial

Irritable - June 3, 2013, 8:11 am

(Jun 2, 2013 10:29 AM)BoSSaLiNiE Wrote: [\[CITE\]](#) nice thread thanks for writing this tutorial

You're welcome, and thanks. I'm glad it's helped so many people. It makes me happy. ?

7,012 views and counting now.

zeeles - June 4, 2013, 8:30 am

Nice collocation! This is perfect to go after alongside the schools lessons ?

Irritable - June 5, 2013, 5:20 pm

(Jun 4, 2013 08:30 AM)zeeles Wrote: [\[CITE\]](#) Nice collocation! This is perfect to go after alongside the schools lessons ?

I'm not sure I understand what you're trying to say, but okay?

This is a beginner's guide. As in: A quick explanation.

SREE - June 11, 2013, 12:58 am

nice share.... thanx for your contribution brother,,, its hard to see peoples like u in these days

Badguy - July 4, 2013, 8:44 pm

Aces ! fuckin !Aces ! thanks for the awesome Tut.!

SpiroJet - July 5, 2013, 1:14 am

thank you very much for the insight..

Irritable - July 5, 2013, 1:37 am

(Jul 5, 2013 01:14 AM)SpiroJet Wrote: [\[CITE\]](#) thank you very much for the insight..

You're welcome. ?

Also! Welcome to HackForums. I hope you actually stick around.
The programming section is pretty active (so is The Lounge).

Toasties - July 14, 2013, 7:47 am

Wow dude, this is a thread worth bookmarking if you have a interest in learning codeing

WhiteChocolate - July 15, 2013, 12:14 am

Wow, very informative, I'm starting to learn C++. This will be very useful! Thanks!

darksoul13 - July 15, 2013, 10:23 am

nice tutorial man...you explained so easily..I'm a beginner and its not easy to learn c++ but some people like you make it easy :)
Thanks a ton

ubk_learn - July 16, 2013, 2:28 pm

thats complete and really good...if u could add some links to pdf guides would be even better

VEAxORE - July 19, 2013, 6:16 am

This should honestly be sticky'd I saw a lot of people asking for something like this. I think it deserves a .

BlackHatBrony - July 19, 2013, 6:28 am

I'm not a beginner but I think this is going to really help some people, good job.

Rollin Balls - July 19, 2013, 9:26 pm

Helpful. I am going to be just starting out I Favorited this page for work.

blendedcookie - July 23, 2013, 3:26 pm

Great tutorial man, I hope to see more in the future ;)

Irritable - July 23, 2013, 10:57 pm

(Jul 23, 2013 03:26 PM)blendedcookie Wrote: [\[CITE\]](#) Great tutorial man, I hope to see more in the future ;)
You're welcome.

If there is a demand: I will definitely write more tutorials and post them on this forum.
I have tutorials scoured all across the internet from different aliases. I haven't copied any of them here.
And quite frankly: I don't plan to anytime soon.

reyo47 - July 23, 2013, 10:58 pm

I was really looking for this

Thanks friend this should help me

Irritable - July 30, 2013, 12:37 pm

(Jul 23, 2013 03:26 PM)blendedcookie Wrote: [\[CITE\]](#) Great tutorial man, I hope to see more in the future ;)

Now there's one more tutorial on the internet (HackForums exclusively).

I am selling this one though for \$5 USD via PayPal (as I am in need of money for college right now).

Here's a link to the thread if you're interested (or anyone else):

- <https://hackforums.net/showthread.php?tid=3657435>

Thanks. ?

Vexane - July 31, 2013, 3:02 pm

Amazing post! Thanks so much!

35 Characters

oz@bsd - August 1, 2013, 10:29 am

Not the most informative guide, considering all the guides you listed have the same content about what C is, compilers, IDEs etc.

However I appreciate the time you took out of your day to make this thread, OP. Should hopefully spice up the interest to learn for the lurkers.

beastmode16 - August 3, 2013, 8:12 am

real awesome programming tutorial.. very valuable, got bookmarked it now! Thanks a lot for this!

(Aug 1, 2013 10:29 AM)Mint. Wrote: [\[CITE\]](#) Not the most informative guide, considering all the guides you listed have the same content about what C is, compilers, IDEs etc.

However I appreciate the time you took out of your day to make this thread, OP. Should hopefully spice up the interest to learn for the lurkers.

For me it's nearly informative especially for those beginners who are confused to where they should start learning programming. IDEs/Compilers - sometimes also take times for those who are looking for them all around the web.

(Jul 30, 2013 12:37 PM)Irritable Wrote: [\[CITE\]](#) Now there's one more tutorial on the internet (HackForums exclusively).

I am selling this one though for \$5 USD via PayPal (as I am in need of money for college right now).

Here's a link to the thread if you're interested (or anyone else):

- <https://hackforums.net/showthread.php?tid=3657435>

Thanks. ?

I'm reading it now and also would watch the video. I think I can somehow put as my mentor on my "online-mentors list". LOL. You're really devoting yourself into C/C++, great job man! ?

WaffleSam - August 6, 2013, 3:12 am

Really Cool Post! Commenting on it so i can read later :)

Irritable - April 14, 2014, 3:39 am

(Aug 3, 2013 08:12 AM)beastmode16 Wrote: [\[CITE\]](#) I'm reading it now and also would watch the video. I think I can somehow put as my mentor on my "online-mentors list". LOL. You're really devoting yourself into C/C++, great job man! ?

I've never devoted myself to C/C++.

The only things I've devoted to in my life are: Helping others, beating myself up inside over my mother's death, and trying to fight the demons inside.

That video reflects only one part; Because as far as this forum (and any other) goes: I am there to help.

I'm always here to help people. I may come off as rough, or mean, or subjectively objective, or whatever you want to say.

This is not the time, the place, or even the correct thread/post (on this forum) for this but: I am trying to take this simple 'defensive driving' deferral course, and I don't think I'm going to make it.

Constantly hearing these (very real) testimonies, and short 2-3 minute stories of people talking about a family member who died is making me bawl.

I just watched a 12 minute video about a family who lost a daughter, because her boyfriend was driving intoxicated and crashed.

The things this young lady's sister said, are more true than I could've ever known 6 years ago, but 5 years ago, is when I realized it.

It still stings just as bad now as it did the day I watched my mother die in my house.

I cried driving all the way from Bastrop to Austin. I couldn't get one 2 minute video out of my head. There was two sporty cars, with a passenger in each (their respective wives). I remember hearing about the accident on the news...

One wife died, one man died. There's a widow, and a person in jail (who initiated the drag race). ... The part that's (even thinking about it, 4 hours later, right now) the hardest for me to watch.... Is when this man was telling a story, about how his sister-in-law was telling her son that, "Mom's fine, and okay, as you can see. But daddy had to go away for a while... Daddy went to heaven."

(This video: <http://www.youtube.com/watch?v=Yy7Tfbft0As>)

That just tears me up inside. I'm almost ready to call the courthouse this moment and tell them I'm going to pay the ticket in full for speeding 10mph over the limit.

That I cannot emotionally handle watching these videos, and completing the deferral. I'd seriously be willing to pay twice the ticket amount, than continue with this deferral.

I was speeding 10mph over at 2am, with not one vehicle, person, or critter in sight. The only other person was a Sheriff speeding in excess of 90mph to "catch up" and "ticket me."

I was causing no one harm, and there was no one to cause harm to. The highway I am on is known to be desolate, especially at night, and only home to drug trafficking occasionally.

I haven't had a speeding ticket, or traffic violation, since 2011... I haven't committed any crimes, or even been arrested.

I do not generally speed ever, and I typically follow all road laws to the letter (including coming to a full and COMPLETE stop and stop signs, and red lights).

I am that person you see who puts their turn indicator on 5 seconds ahead of time, and merges slowly with it on, because I'm turning my physical head to check blind spots.

Sorry for the wall of text who reads this. I understand it is completely off topic.

I have just about no where else to 'vent,' and no one in particular in my personal life I'd be willing to share these feelings with.

sigh Back to the 'defensive driving safety course...' ?

EDIT: For those of you that have seen the video (from about a year ago): This is how long my hair has gotten...

Spoiler ([Click to View](#))

I have shaved my mustache/beard plenty of times for work, but my hair? Never.

I took that picture with my web-cam from my laptop (what I'm on right now; A present to/from my

self back in January) just now.

Irritable - July 12, 2014, 3:24 am

Here's a 3 month jolt into the future. ?

IVludKipz - July 13, 2014, 7:08 am

Thankyou, thankyou, thankyou your guide really helped me get back on track on my course :) kind of fell behind, bookmarked this page :D

[Rn] 7s^2 - July 13, 2014, 10:04 am

Make a thread about your 30 seconds tuts when you complete them. :)

Hack-A-Holics - July 13, 2014, 12:56 pm

thanks for making a thread like this. helping me out a lot. plenty of resources for me. thanks man

Irritable - July 18, 2014, 5:59 pm

(Jul 13, 2014 12:56 PM)Hack-A-Holics Wrote: [\[CITE\]](#) thanks for making a thread like this. helping me out a lot. plenty of resources for me. thanks man
You're welcome. ?

(Jul 13, 2014 10:04 AM)vipulcoolrule Wrote: [\[CITE\]](#) Make a thread about your 30 seconds tuts when you complete them. :)
I will when the time comes. ?

Meow - August 27, 2014, 8:30 pm

Very nice tutorial,I'm sure it will help A LOT of people! ?

Sajuuk - August 28, 2014, 1:27 pm

(Aug 27, 2014 08:30 PM)Meow. Wrote: [\[CITE\]](#) Very nice tutorial,I'm sure it will help A LOT of people!
?

This is original content, yes. But so many resources have been accumulating on the internet over the past few years about every aspect of C and C++. And, God, this is way better than Ninetails' copy-pasted tutorial (even though it's general information, this tutorial triumphs over that shitty post).

shqipenet - February 13, 2015, 7:43 am

Awesome List Bro These things are helping me very much Thanks mate

Irritable - February 14, 2015, 10:35 am

(Feb 13, 2015 08:43 AM)shqipenet Wrote: [\[CITE\]](#) Awesome List Bro These things are helping me very much Thanks mate
You're welcome.

I'm glad it's helped quite a bit of persons. ?

ahmedcute - January 26, 2016, 6:22 am

nice . i saw u in youtube

<https://www.youtube.com/watch?v=GWVr5wf2fpk>

Armitage - January 27, 2016, 3:11 pm

nice tut :D, but it needs more clarification for beginners, for example in your definition of "IDE", you introduced a new word called "linker" without any clear explication of what is it, you should firstly give some definitions before starting explaining :)

Irritable - March 30, 2016, 1:08 am

(Jan 27, 2016 04:11 PM)Armitage Wrote: [CITE](#) nice tut :D, but it needs more clarification for beginners, for example in your definition of "IDE", you introduced a new word called "linker" without any clear explication of what is it, you should firstly give some definitions before starting explaining :) 10-4.

Thanks for the suggestion.