

## Re: Nasty code...but please critique it anyway :-)

**Source:** [http://coding.derkeiler.com/Archive/C\\_CPP/alt.comp.lang.learn.c-cpp/2003-11/0332.html](http://coding.derkeiler.com/Archive/C_CPP/alt.comp.lang.learn.c-cpp/2003-11/0332.html)

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**From:** Martijn Lievaart (*m\_at\_rtij.nl.removefromhere.invalid*)

**Date:** 11/07/03

Date: Fri, 07 Nov 2003 10:30:26 +0100

On Thu, 06 Nov 2003 12:51:57 -0800, J. Campbell wrote:

> *Jerry Coffin <jcoffin@taeus.com> wrote in message  
news:<MPG.1a140b966bc2ca26989bd6@news.clspco.adelphia.net>...*  
>> *In article <b97c86e1.0311041217.2aeb32b7@posting.google.com>,  
>> mango\_maniac@yahoo.com says...*  
>>  
>> *[ ... ]*  
>>  
>> > *I must be pretty dense...I had the hardest time understanding what I  
>> > was doing wrong. I think I get it now. Will you take a look at the  
>> > (revised) code from my first link in this thread and tell me if my use  
>> > of headers is now more or less normal?*  
>>  
>> *If I still had the link handy I would, but I don't...*  
>  
> <http://home.bellsouth.net/p/PWP-brightwave>  
>  
> *Sorry I didn't include the link before...I didn't want people to think  
> that I was entheusiastically pimping my novice code, and the link was  
> just up the thread, at least on my newsreader ;-) Anyway, thanks for  
> responding.*

```
g++ -c -o J_Crypt.o J_Crypt.cpp
In file included from J_Crypt.h:9,
      from J_Crypt.cpp:1:
hashSclass.h:6:30: alignint_class.h: No such file or directory
In file included from J_Crypt.cpp:1:
J_Crypt.h:10:30: filespec_class.h: No such file or directory
J_Crypt.h:15:23: encrypt.h: No such file or directory
In file included from J_Crypt.h:16,
      from J_Crypt.cpp:1:
unencrypt.h:9:26: HashSclass.h: No such file or directory
unencrypt.h:13:30: filespec_class.h: No such file or directory
In file included from J_Crypt.h:16,
      from J_Crypt.cpp:1:
unencrypt.h:15: `Filespec' was not declared in this scope
```

alt.comp.lang.learn.c-c++: Re: Nasty code...but please critique it anyway :-)

(snip a lot more errors due to missing headers)

make: \*\*\* [J\_Crypt.o] Error 1

Compilation exited abnormally with code 2 at Fri Nov 7 10:18:11

It really is better to watch your case. :-)

A quick look on some random chosen files.

– hashSclass.h

You only need `<string>`, move all the other `#includes` to the C++ files.

– J\_Crypt.h

A file that includes all other headers. A style issue, but I don't like it. Also, including `<iostream>` may lead to code bloat and longer compilation times. Include it only where needed.

– Encrypt.cpp

Looks good. Good comments, very readable. Only thing is that you do user interaction here. Better to decouple this. A way to do that would be to pass a `const ostream&` or a function pointer to a function that can write strings. The latter technique makes sure you can use the same encrypt routine in a GUI program as well.

– menu.cpp

\* Get text by line and parse that, good!

\* You may want to use a `std::stringstream` to parse the integer, else just use `atoi`.

\* Why not print the `menutext` the first time from `menu1` as well?

Inconsistent.

\* You may want to flush the output stream after printing `menutext`, in this function you cannot be sure it is terminated with a newline.

HTH

M4

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