

Forum:[Hack Forums](#)

Thread: [Expected a declaration C++](#)

SureDawgg - May 21, 2016, 7:01 pm

Delete this thread please, thank you

Retribute - May 21, 2016, 7:04 pm

Here you go:

PHP Code

```
<?php
#include<iostream>
#include<string>
#include<vector>
#include<algorithm>
#include<cmath>
using namespace std;
inline void keep_window_open() {
    char ch; cin >> ch;
}

int main()      // C++ programs start by executing the function main
{
    cout << "Hello, World!\n"; // output "Hello, World!"
    keep_window_open();      // wait for a character to be entered
    return 0;
}
```

You were missing the closing brace for your first function definition.

Shoe - May 21, 2016, 7:04 pm

You're defining main inside another function, first off. Apparently this is valid in C++? Dear God someone help me. One line's missing a semicolon according to the topmost issue, and the left brace somewhere isn't matched up, aka there's a brace somewhere that doesn't have a pair. Ex:

```
Code {
    somecode;
where it should be:
Code {
    somecode;
}
```

Goodies - May 21, 2016, 7:13 pm

- 1) You are using way more header files than necessary. Don't do that.
 - 2) If you do use a lot of header files, especially 3rd party ones, don't use "using namespace std" because that can result in some pretty bad name mangling.
 - 3) You're defining a function within a function. Either that, or you just forgot to close the function above.
 - 4) This:
- PHP Code

```
<?php
inline void keep_window_open() {
    char ch; cin >> ch;
}

```

is not good...

From what I can tell, `std::cin.ignore()` is probably what you can use.

Remix - May 22, 2016, 12:12 pm

(May 22, 2016 11:03 AM)Mario® Wrote: [\[CITE\]](#) I have updated the thread with a newer question "expected a function header"

Pretty obvious what's wrong

Goodies - May 22, 2016, 12:38 pm

(May 22, 2016 11:03 AM)Mario® Wrote: [\[CITE\]](#) I have updated the thread with a newer question You don't declare a function. You just write a scope that never gets run... there's no entry point.

Remix - May 22, 2016, 1:07 pm

(May 22, 2016 12:55 PM)Mario® Wrote: [\[CITE\]](#) Well I just started last night so no, it isn't obvious. If it was I wouldn't have asked.

I assume it should be the main function so the header of the main function is missing
Should look like that:

```
Code void main() {
    ...
}
```

0xDEAD10CC - May 22, 2016, 1:21 pm

(May 22, 2016 01:07 PM)Remix Wrote: [\[CITE\]](#) I assume it should be the main function so the header of the main function is missing
Should look like that:

```
Code void main() {
    ...
    void main()? ? .. ?
}
```

Blacklisted - May 22, 2016, 1:34 pm

Yea its supposed to be `int main()` {

Was that the only problem that you were having tho?

0xDEAD10CC - May 22, 2016, 1:46 pm

(May 22, 2016 01:29 PM)Mario® Wrote: [\[CITE\]](#) I did `int main` and it worked out fine
I think you missed my point. I was hinting at the fact that it should be '`int main()`' instead of '`void main()`' as he had suggested.

Remix - May 22, 2016, 2:37 pm

(May 22, 2016 01:21 PM)0xDEAD10CC Wrote: [\[CITE\]](#) `void main()? ? .. ?`
My bad, I saw he returned nothing and didn't use my brain
Has to be `int`