

Libraries

The library is in the right folder but it does not work

This problem can appear when first installing a library, even if you have placed it into the correct location with the right names, you may have made the simple mistake of not restarting the IDE. As a side effect of the way your sketch is compiled, libraries are scanned during startup rather than on demand; this can cause the IDE to ignore a perfectly valid library.

On the other hand, your library may not be setup correctly, visit this FAQ [soon] for detailed installation information.

As a real world example, the code below was questioned on the Arduino forums.

```
#include <Time.h>
#include <TimeAlarms.h>

void setup(){}

void loop(){
  Alarm.timerRepeat( 100, funcPtr );
}
```

After installing the Time and TimeAlarm libraries, the code failed to compile. The IDE spits out the first error giving error: 'Alarm' was not declared in this scope. It wasn't until the IDE was restarted that the error changed to error: 'funcPtr' was not declared in this scope.

The error message given is explained in more detail here: [My custom library won't work, It says: X was not declared in this scope.](#)

Unique solution ID: #1018

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