
Solve Multiple Definition Error When Including C Header files

Sunday, 26 February 2012

If you have many C files and by mistake you've included a header file multiple time when compiling the program you will get an error. To solve this problem use #include guards (also called macro guard) to define each header file.

Example:

```
file1.h#ifndef _INC_FILE1
```

```
#define _INC_FILE1
```

```
//... your header file
```

```
#endif
```

That way if for example you have multiple inclusions of file1.h, you will not get a compilation error, well the preprocessor will skip to the end of the second (definition) inclusion of this file.