

# RE: Design orientated 'C' question

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*Source:* <http://www.tech-archive.net/Archive/VC/microsoft.public.vc.language/2006-03/msg01128.html>

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- *From:* Robby <[Robby@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:Robby@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Sun, 26 Mar 2006 14:49:27 -0800
- 

Sorry,

In my above post the following line:

```
//Function declaration
void L1_txtDISPLAY_ArSt2MEMB( HDC, struct tagIdRoomIndex RIndex[] );
```

should of been:

```
//Function declaration
void F1( HDC, struct tagIdRoomIndex RIndex[] );
```

—  
Best regards  
Robert

"Robby" wrote:

Hi,

Please consider the following code:

Globals.h

```
=====
//Declaration of structure
struct tagIdRoomIndex
{
int iRoomNumber;
TCHAR *szRoomName;
};
=====
```

WndProc\_CW1.cpp

```
=====
#include <windows.h>
#include "Globals.h"
```

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```
//Function declaration
void L1_txtDISPLAY_ArSt2MEMB( HDC, struct tagIdRoomIndex RIndex[] );
```

```
//Declaration of an array of structures
tagIdRoomIndex RIndex[] =
{
1 ,TEXT("ABC"),
2 ,TEXT("DEF"),
3 ,TEXT("GHI"),
4 ,TEXT("JKL"),
};
```

```
LRESULT CALLBACK WndProc_CW1 (HWND hwnd, UINT message,
WPARAM wParam, LPARAM lParam)
```

```
{
switch(message)
{
WM_PAINT:
F1( hdc,RIndex); //Calling function
break;
}
//Other code....
}
```

```
LIB1_FUNCTIONS.cpp (Function implementations)
```

```
=====
#include <windows.h>
```

```
##include "Globals.h" //Already included in WndProc.cpp
```

```
F1(HDC hdc,struct tagIdRoomIndex RIndex[])
```

```
{
//Other code ...
```

```
//Errors point to the < RIndex[i].iRoomNumber); > part of line below
TextOut (hdc,0,0,szBuffer,
sprintf(szBuffer,TEXT("%d"),RIndex[i].iRoomNumber));
```

```
}
```

```
=====
This code compiles OKAY if I include the following line of code in the
function implementation file called LIB1_FUNCTIONS.cpp
```

```
#include "Globals.h"
```

However if I don't include "Globals.h" I get several errors. Here are 2 of them:

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```
c:\_DTS_PROGRAMMING\vc++\MY_APPS_LAB\APPLICATION_1\LIB1_FUNCTIONS.cpp(74)
:  
error C2036: 'tagIdRoomIndex []' : unknown size
```

```
c:\_DTS_PROGRAMMING\vc++\MY_APPS_LAB\APPLICATION_1\LIB1_FUNCTIONS.cpp(74)
:  
error C2027: use of undefined type 'tagIdRoom'
```