

Re: Someone explain me this code

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Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.languages.vc/2006-03/msg00494.html>

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 - *Date:* Thu, 23 Mar 2006 09:03:21 -0600
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"Tran Hong Quang" <TranHongQuang@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message <news:4D3408BE-CF76-44D6-81BB-2095E0DACBCE@xxxxxxxxxxxxxxxxxxxx>

Hi,

In header file, I see this declaration:

```
#define DECLARE_VTBL(iname) iname vt##iname;
```

then, in C file, there are below codes:

```
typedef struct _Abc {  
.....  
} abc;  
DECLARE_VTBL(abc)
```

The macro expands to:

```
abc vtabc;
```

Which will be a set of function pointers serving as the vtable (native invocation, as opposed to dispatch invocation) for COM objects written in C. In C++ they would be member functions and the compiler would create the vtable.

I don't understand these code. Could someone explain me what it does?

Thanks
Tran Hong Quang