
Subject: Re: Big issue with Visual Studio 2019 (some versions)

Posted by [Alboni](#) on Sun, 09 Feb 2020 13:33:36 GMT

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Yeah, don't break your computer.

I came up with this:

```
#include <iostream>
```

```
typedef unsigned char bYte;  
#define min(a,b) ( a<b ? a : b )
```

```
class B;
```

```
class A {  
public:  
    bYte data[256]; bYte datalen;  
  
public:  
    A(const void* b, bYte len); // assign binary data  
    A(char* string); // assign C string  
    A(B& b);  
    operator char*() // to c string  
    {  
        data[sizeof(data)-1]=0;  
        return (char*)data;  
    };  
};
```

```
class B {  
public:  
    bYte data[256]; bYte datalen;  
  
public:  
    B(const void* b, bYte len); // assign binary data  
    B(char* string); // assign C string  
    operator char* () // to c string  
    {  
        data[sizeof(data)-1]=0;  
        return (char*)data;  
    }  
};
```

```
A::A(const void* b, bYte len) // assign binary data  
{
```

```

datalen = min(len, sizeof(data)-1);
memcpy(data, b, datalen);
data[datalen]=0;
}

```

```

A::A(char* string) // assign C string
{
    datalen = min(strlen(string)+1, sizeof(data));
    memcpy(data, string, datalen);
    data[sizeof(data)-1]=0;
}

```

```

A::A(B& b)
{
    datalen = b.datalen;
    memcpy(data, b.data, sizeof(data));
}

```

```

B::B(const void* b, bYte len) // assign binary data
{
    datalen = min(len, sizeof(data)-1);
    memcpy(data, b, datalen);
    data[datalen]=0;
}

```

```

B::B(char* string) // assign C string
{
    datalen = min(strlen(string)+1, sizeof(data));
    memcpy(data, string, datalen);
    data[sizeof(data)-1]=0;
}

```

```

A ReturnB()
{
    const char binary[10] = {1,2,0,3,4,5,6,7,8,0};
    B b(binary, 10);
    return b;
}

```

```

int main(int argc, const char *argv[])
{
    A a = ReturnB();
    int len = a.datalen;
    std::cout << "This should return 10 and it returns " << len << "\r\n";
    return 0;
}

```

File Attachments

- 1) [msvc10bug.exe](#), downloaded 306 times
 - 2) [msvc10bug.cpp](#), downloaded 302 times
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