

Re: Antonym to _tcsnextc()

Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.win32.programmer.kernel/2006-06/msg00458.htm>

- *From:* "Eugene Gershnik" <gershnik@xxxxxxxxxxxx>
 - *Date:* Wed, 14 Jun 2006 04:14:14 GMT
-

Frank A. Uepping wrote:

Thanks, but this is not what I mean; I was a little imprecise.

[A better place to ask would be one of VC groups]

I am looking for a function (I will name it _tcsfoo()) that takes the result of _tcsnextc() and returns the string representation for it.

There is no such function but it is easy to write your own. One way to write it is something like this (warning: untested code)

```
struct char_str
{
char buf[2];
};

struct wchar_str
{
wchar_t buf[2];
};

struct mbchar_str
{
unsigned char buf[sizeof(unsigned)];
};

mbchar_str mbcfoo(unsigned val)
{
mbchar_str ret = {0};
unsigned char * buf = &ret.buf;
int i = (sizeof(val) - 1) * CHAR_BIT;
for( ; i >= 0; i -= CHAR_BIT)
{
```

Re: Antonym to _tcsnextc()

```
const unsigned char c = unsigned char(val >> i);  
if (c != 0)  
*buf++ = c;  
}  
return ret;  
}
```

```
char_str strfoo(unsigned val)  
{  
char_str ret = {0};  
ret.buf[0] = char(val);  
return ret;  
}
```

```
wchar_str wcsfoo(unsigned val)  
{  
wchar_str ret = {0};  
ret.buf[0] = wchar_t(val);  
return ret;  
}
```

Then add the usual #defines for t versions.

--

Eugene

<http://www.gershnik.com>

.