Subject: Re: who ate my byte?
Posted by Maarten[1] on Mon, 23 Jul 2007 08:09:21 GMT
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```
On Jul 22, 7:02 pm, rtow...@gmail.com wrote:

> IDL> print,strlen('test' + string(0B))

> 4

> IDL> print,strlen('test' + string(1B))

> 5

> Huh?

> I am curious as to why IDL does this. Any ideas?
```

It probably is the C library underneath that does this, with its 0 terminated strings.

Maarten

Subject: Re: who ate my byte?
Posted by Paolo Grigis on Mon, 23 Jul 2007 08:23:03 GMT
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Hidden deep within the docs, in the "bulding IDL applications" book, one can find this explanation:

Due to the way in which strings are implemented in IDL, applying the STRING function to a byte array containing a null (zero) value will result in the resulting string being truncated at that position. Thus, the statement,

PRINT, STRING([65B, 66B, 0B, 67B]) produces the following output:

AB

So at least it is documented somewhere...

Ciao, Paolo

> -Rick

>

> N 60 29.76

> W 178 42.48

>

Subject: Re: who ate my byte?

Posted by KRDean on Mon, 23 Jul 2007 14:06:12 GMT

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> N 60 29.76 > W 178 42.48

What are you doing in the middle of the Bering Sea? I thought David Fanning was our one and only IDL Globe Trekker.

Kelly Dean Fort Collins, CO

Subject: Re: who ate my byte?

Posted by rtowler on Mon, 23 Jul 2007 17:39:35 GMT

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On Jul 23, 2:06 pm, kBob < KRD...@gmail.com > wrote:

Thanks for the replies... I figured it was something like this. Paolo, you've helped explain some 'weird' behavior I was seeing. I'm receiving packets with fields terminated by null bytes and I know now I need to be careful how I parse the string data.

- >> N 60 29.76
- >> W 178 42.48

>

- > What are you doing in the middle of the Bering Sea? I thought David
- > Fanning was our one and only IDL Globe Trekker.

David may not be the only globe trekker, but he gets to go to much nicer places than I:)

N 61 46.00 W 179 56.22

-r