
Subject: Re: Strange behavior of function READ in a loop.
Posted by [ben.bighair](#) on Tue, 25 Sep 2012 17:46:27 GMT
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On Tuesday, September 25, 2012 1:10:45 PM UTC-4, Gerry Yu wrote:

> Hello everyone:

>

> I got a strange output with the function READ in a loop.

>

> A simplified example is as below:

>

> _____

>

> pro test

>

> print, "This is the first line.", format="(A30/)"

>

> for i=1,3 do begin

>

> read, a ,PROMPT="input:"

>

> print, i,": input is ",a

>

> endfor

>

> end

>

> _____

>

> The expected output should be something like:

>

> _____

>

> This is the first line.

>

> input:1

>

> 1: input is 1.0000

>

> input:2

>

> 2: input is 2.0000

>

> input:3

>

> 3: input is 3.0000

>

> _____

```

>
> But what I get is (with IDL 7.1.1 on Win 7):
>
>
> _____
>
> input:1
>
> This is the first line.
>
> input:2
>
>
>
> 1: input is    1.00000
>
> input:3
>
> 2: input is    2.00000
>
> 3: input is    3.00000
>
>
> _____
>
> I am really confused by such a result.
>
> Do someone know what happens here?
>
>

```

Hi,

I don't have IDL hand test this out, but this looks like a buffering issue. Could you try adding the FLUSH command to your routine.

http://idlastro.gsfc.nasa.gov/idl_html_help/FLUSH.html

I think the command line is unit -1.

```

pro test
print, "This is the first line.", format="(A30/)"
for i=1,3 do begin
  read, a, PROMPT="input:"
  print, i, ": input is ", a
  flush, -1
endfor
end

```

Cheers,

Ben
