
Subject: Re: suppressing carriage return in PRINT
Posted by [Kenneth Mankoff](#) on Tue, 07 May 2002 16:25:39 GMT
[View Forum Message](#) <> [Reply to Message](#)

Chris O'Dell <odell@cmb.physics.wisc.edu> writes:

> This should be really easy. How do you print something (to the normal
> print window in IDL) without a carriage return?

Use the Craig Markwardt routine: STATUSLINE

Craig: Is there any chance you can get this to work in EMACS? Or you could give me some pointers how to modify it? I know its not vt100 and therefore a whole different beast, but I love the routine and am sometimes forced to use x-terms just because nothing shows up in emacs.

Thanks,
-k.

--

Ken Mankoff <http://lasp.colorado.edu/snoe/>
 <http://lasp.colorado.edu/mars/>
<http://lasp.colorado.edu/~mankoff/> <http://lasp.colorado.edu/marsrobot/>

Subject: Re: suppressing carriage return in PRINT
Posted by [Christopher W. O'Dell](#) on Tue, 07 May 2002 17:07:28 GMT
[View Forum Message](#) <> [Reply to Message](#)

Kenneth,

> Use the Craig Markwardt routine: STATUSLINE
>
> Craig: Is there any chance you can get this to work in EMACS? Or you
> could give me some pointers how to modify it? I know
> its not vt100 and therefore a whole different beast, but I love the
> routine and am sometimes forced to use x-terms just because nothing
> shows up in emacs.

Doesn't work in Windows, unfortunately. Neither does someone else's suggestion of opening my own window with a command like:
openw, lun, filepath(/terminal), /get_lun

(this gives you the error message):

% FILEPATH: No terminal device available with IDLde (GUI) interface

Any other ideas? Btw, i'm using 5.4.

Chris

Subject: Re: suppressing carriage return in PRINT

Posted by [Paul Van Delst\[1\]](#) on Tue, 07 May 2002 17:21:55 GMT

[View Forum Message](#) <> [Reply to Message](#)

Chris O'Dell wrote:

```
>
> Kenneth,
>
>> Use the Craig Markwardt routine: STATUSLINE
>>
>> Craig: Is there any chance you can get this to work in EMACS? Or you
>> could give me some pointers how to modify it? I know
>> its not vt100 and therefore a whole different beast, but I love the
>> routine and am sometimes forced to use x-terms just because nothing
>> shows up in emacs.
>
> Doesn't work in Windows, unfortunately. Neither does someone else's
> suggestion of opening my own window with a command like:
> openw, lun, filepath(/terminal), /get_lun
>
> (this gives you the error message):
> % FILEPATH: No terminal device available with IDLde (GUI) interface
>
> Any other ideas? Btw, i'm using 5.4.
> Chris
```

This is what I use to print out the data number that has been read in some code of mine:

<-----snippet----->

```
;-----
;                               -- Read data panel by panel --
;-----
```

```
bksp = MAKE_ARRAY( 5, VALUE = 8B )
IF ( NOT KEYWORD_SET( quiet ) ) THEN $
  PRINT, FORMAT = '( 5x, "Reading panel # :   ", $ )'
```

```
; -----
; Initialise some counters
```

```

; -----

n_panels = 0L
n_pts_read = 0L

; -----
; Begin panel read open loop
; -----

WHILE 1 DO BEGIN

    IF ( NOT KEYWORD_SET( quiet ) ) THEN $
        PRINT, FORMAT = '( a, i5, $ )', STRING( bksp ), n_panels + 1
....etc...
<-----snippet----->

```

The "\$" character in the first print suppresses the line feed (dunno if it works cross platform) and the print of the "bksp" array (containing the ASCII backspace character) overwrites the previous print of the panel number. Again, dunno if it works cross platform.

paulv

```

--
Paul van Delst      Religious and cultural
CIMSS @ NOAA/NCEP/EMC  purity is a fundamentalist
Ph: (301)763-8000 x7274  fantasy
Fax:(301)763-8545      V.S.Naipaul

```

Subject: Re: suppressing carriage return in PRINT
 Posted by [Kenneth Mankoff](#) on Tue, 07 May 2002 17:33:30 GMT
[View Forum Message](#) <> [Reply to Message](#)

Chris O'Dell <odell@cmb.physics.wisc.edu> writes:

```

>> Use the Craig Markwardt routine: STATUSLINE
>
> Doesn't work in Windows, unfortunately. Neither does someone else's
> suggestion of opening my own window with a command like:
>
> openw, lun, filepath(/terminal), /get_lun
>
> (this gives you the error message):
> % FILEPATH: No terminal device available with IDLde (GUI) interface
>

```

> Any other ideas? Btw, i'm using 5.4.

Here are past threads on this topic, with hacks, kludges, and code-snippets included. Most of these threads end with the statement "use STATUSLINE", so I guess its usually us UNIX/Linux users discussing this...

<http://groups.google.com/groups?hl=en&frame=right&th=efb21f4bdf4861c5&seekm=onsnfayyxh.fsf%40cow.physics.wisc.edu#link1>

<http://groups.google.com/groups?hl=en&frame=right&th=f440fd383be99eaa&seekm=on4s6l217l.fsf%40cow.physics.wisc.edu#link1>

<http://groups.google.com/groups?hl=en&frame=right&th=8fbbeb12a12eed89&seekm=k-bowman-23DD70.13052715022002%40news.tamu.edu#link1>

NOTE that one of these threads also mentions David Fannings "SHOW_PROGRESS" routine, a very fancy and cross-platform way that may solve your problem.

-k.

--

Ken Mankoff <http://lasp.colorado.edu/snoe/>
 <http://lasp.colorado.edu/mars/>
<http://lasp.colorado.edu/~mankoff/> <http://lasp.colorado.edu/marsrobot/>

Subject: Re: suppressing carriage return in PRINT
Posted by [David Fanning](#) on Tue, 07 May 2002 17:54:14 GMT
[View Forum Message](#) <> [Reply to Message](#)

Kenneth Mankoff (mankoff@snoe.colorado.edu) writes:

> NOTE that one of these threads also mentions David Fannings "SHOW_PROGRESS" routine,
> a very
> fancy and cross-platform way that may solve your problem.

You can find the article here, if you are interested:

http://www.dfanning.com/widget_tips/show_progress.html

Cheers,

David

--

David W. Fanning, Ph.D.
Fanning Software Consulting

Subject: Re: suppressing carriage return in PRINT
Posted by [Christopher W. O'Dell](#) on Tue, 07 May 2002 21:06:24 GMT
[View Forum Message](#) <> [Reply to Message](#)

Thanks Kenneth, Paul, and David.

I realized via a simple test that the '(\$)' format qualifier would normally solve my problem, but for my particular calculation (involving a lot of matrix multiplies), for some reason the print procedure gets "behind" the loop, and if you use that qualifier, nothing gets printed until after the loop has been completed. I'm willing to bet 5 lattes that it wouldn't happen in linux/unix. I'm going to try out David's cool widget program.

In some ways, PASCAL in 1989 was much better than IDL today.

Chris

Subject: Re: suppressing carriage return in PRINT
Posted by [Paul Van Delst\[1\]](#) on Tue, 07 May 2002 21:24:17 GMT
[View Forum Message](#) <> [Reply to Message](#)

Chris O'Dell wrote:

>
> Thanks Kenneth, Paul, and David.
>
> I realized via a simple test that the '(\$)' format qualifier would
> normally solve my problem, but for my particular calculation (involving
> a lot of matrix multiplies), for some reason the print procedure gets
> "behind" the loop, and if you use that qualifier, nothing gets printed
> until after the loop has been completed. I'm willing to bet 5 lattes
> that it wouldn't happen in linux/unix. I'm going to try out David's
> cool widget program.

That's similar behaviour I see in some Fortran output on some OSes - *particularly* unix (good ol' VAX VMS did what I wanted....). The suppressed output doesn't get printed to screen until a new line is begun. Sort of like flushing buffers and whatnot. I don't think it's an IDL thing, I think it's an OS thing.

paulv

p.s. You can send me the 5 lattes in the mail. Oh, and no foam thanks. :o)

--

Paul van Delst Religious and cultural
CIMSS @ NOAA/NCEP/EMC purity is a fundamentalist
Ph: (301)763-8000 x7274 fantasy
Fax:(301)763-8545 V.S.Naipaul

Subject: Re: suppressing carriage return in PRINT
Posted by [Craig Markwardt](#) on Wed, 08 May 2002 01:47:09 GMT
[View Forum Message](#) <> [Reply to Message](#)

Kenneth Mankoff <mankoff@snoe.colorado.edu> writes:

> Chris O'Dell <odell@cmb.physics.wisc.edu> writes:
>
>> This should be really easy. How do you print something (to the normal
>> print window in IDL) without a carriage return?
>
> Use the Craig Markwardt routine: STATUSLINE
>
> Craig: Is there any chance you can get this to work in EMACS? Or you
> could give me some pointers how to modify it? I know
> its not vt100 and therefore a whole different beast, but I love the
> routine and am sometimes forced to use x-terms just because nothing
> shows up in emacs.

Ooops, I check in for the day and see myself being referred to. Now I know what it's like to be David :-)

Ken, I would love to have STATUSLINE work in more terminals. It's a very simple little doo-dad, which I use all the time. All it does is use the VT100-style screen addressing escape-codes to position the cursor at the desired location. For it to work right two things need to happen: (a) somehow STATUSLINE needs to know what terminal it is on, and (b) it needs to know how to position the cursor. Since EMACS uses a "dumb" terminal I do not think this will work. [I just tried this using STATUSLINE, /ENABLE.] Same probably goes for the Windows IDE.

Comments?
Craig

--

Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu

Subject: Re: suppressing carriage return in PRINT
Posted by [Kenneth Mankoff](#) on Thu, 09 May 2002 14:00:09 GMT
[View Forum Message](#) <> [Reply to Message](#)

Craig Markwardt <craigmnet@cow.physics.wisc.edu> writes:

> Kenneth Mankoff <mankoff@snoe.colorado.edu> writes:
>
>> Chris O'Dell <odell@cmb.physics.wisc.edu> writes:
>>
>>> This should be really easy. How do you print something (to the normal
>>> print window in IDL) without a carriage return?
>>
>> Craig: Is there any chance you can get this to work in EMACS? Or you
>> could give me some pointers how to modify it? I know
>> its not vt100 and therefore a whole different beast, but I love the
>> routine and am sometimes forced to use x-terms just because nothing
>> shows up in emacs.
>
> Since EMACS uses a "dumb" terminal I do not think this will work.
> [I just tried this using STATUSLINE, /ENABLE.] Same probably
> goes for the Windows IDE.
>
> Comments?

The only way I can think that it might work is currently beyond my ability to implement. It would require JD to implement, I think, if it is even possible. But it would go like this:

I assume the IDLWAVE shell can interact with Emacs, in which case STATUSLINE would have to detect its being called in Emacs (this much I know how to do), and then issue commands to the buffer like: '(newline-no-cr) or whatever the LISP syntax would be to return to the beginning of the current line without a carriage-return.

Oh well... It is not important. I like statusline, but its output is critical enough to require me to use an xterm for only a few of the routines I run.

Maybe I will get around to learning how to implement this after I have implemented the Perl wrapper that allows subscripting with [-1].

-k.
--

Ken Mankoff <http://lasp.colorado.edu/snoe/>
 <http://lasp.colorado.edu/mars/>
<http://lasp.colorado.edu/~mankoff/> <http://lasp.colorado.edu/marsrobot/>

Subject: Re: suppressing carriage return in PRINT
Posted by [Christopher W. O'Dell](#) on Fri, 24 May 2002 15:41:49 GMT
[View Forum Message](#) <> [Reply to Message](#)

Paul Van Delst wrote:

> That's similar behaviour I see in some Fortran output on some OSes - *particularly* unix
> (good ol' VAX VMS did what I wanted....). The suppressed output doesn't get printed to
> screen until a new line is begun. Sort of like flushing buffers and whatnot. I don't think
> it's an IDL thing, I think it's an OS thing.
>
> paulv
>
> p.s. You can send me the 5 lattes in the mail. Oh, and no foam thanks. :o)

I guess i can just walk them across the street, if you're at SSEC --- I
never thought I'd actually have to pay up! By the way, I ended up using
David's SHOWPROGRESS function, it works great (but is a little overkill).

-Chris
