
Subject: Re: Printing to command line without a new line
Posted by [David Fanning](#) on Wed, 02 Nov 2011 18:48:55 GMT
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jasmeervirdee@gmail.com writes:

> I have a fairly simple question.
> My code takes a fair amount of time to run and I would like
> it to display a percentage number which updates to the
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> I hope this is clear. Does anyone know how to do this?

http://www.idlcoyote.com/fileio_tips/lfsuppress.html

Like this:

```
IDL> for i=0, 15 do print, i, format='((x, l0),$)'  
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
```

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Printing to command line without a new line
Posted by jasmeervirdee@gmail.com on Wed, 02 Nov 2011 19:19:55 GMT
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On Nov 2, 6:48 pm, David Fanning <n...@dfanning.com> wrote:

> jasmeervir...@gmail.com writes:
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Hi,

Thanks for the response.

It wasn't quite what I was looking for. This prints all the numbers in the for loop on a single line but what I want is the previous number to disappear and be replaced by the new number, so that I have one number which is constantly updated.

Cheers

Subject: Re: Printing to command line without a new line
Posted by [David Fanning](#) on Wed, 02 Nov 2011 19:47:18 GMT
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jasmeervirdee@gmail.com writes:

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Humm. Why don't you just use a progress bar. Far simpler. :-)

http://www.idlcoyote.com/programs/progressbar__define.pro

Cheers,

David

--

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Subject: Re: Printing to command line without a new line
Posted by [Russell\[1\]](#) on Wed, 02 Nov 2011 21:19:44 GMT
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You need to use the C-style printing and use the ANSI escape sequences. Here's a quick script I used, based on ITT's examples.

```
pro inline_print

for i=0,10 do begin
    ii=strcompress(string(i,f='(I3)'),/rem)
    print,f=('%\33[1M I have %s monkeys\33[1A')',ii
    wait,0.1
endfor
print,"

end
```

On Nov 2, 2:19 pm, "jasmeervir...@gmail.com" <jasmeervir...@gmail.com>
wrote:
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>

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Subject: Re: Printing to command line without a new line
Posted by [Michael Galloy](#) on Wed, 02 Nov 2011 21:23:50 GMT
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On 11/2/11 1:19 PM, jasmeervirdee@gmail.com wrote:
> On Nov 2, 6:48 pm, David Fanning<n...@dfanning.com> wrote:
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```

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```

If you are on a terminal that supports ANSI escape sequences, i.e., not the Workbench, then you can use the following:

```

esc = string(27B)

for i = 0, 100 do begin
    print, esc + '[4D' + esc + '[K', format='(A, $)'
    print, i, format='(I3, "%", $)'
    wait, 0.1
endfor

```

I've put the code for this example in a main-level program that you can run with:

```
IDL> .run mg_cl_update_demo
```

The code is here:

http://michaelgalloy.com/wp-content/uploads/2011/11/mg_cl_update_demo.pro

Mike

--

Michael Galloy

www.michaelgalloy.com

Modern IDL, A Guide to Learning IDL: <http://modernidl.idldev.com>

Research Mathematician

Subject: Re: Printing to command line without a new line
Posted by [Craig Markwardt](#) on Thu, 03 Nov 2011 05:15:47 GMT
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On Nov 2, 3:19 pm, "jasmeervir...@gmail.com" <jasmeervir...@gmail.com> wrote:

> On Nov 2, 6:48 pm, David Fanning <n...@dfanning.com> wrote:

>
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Greetings-- This is why I invented STATUSLINE!

Craig

P.S. It can be found here:
<http://www.physics.wisc.edu/~craigm/idl/misc.html>

Subject: Re: Printing to command line without a new line
Posted by [Nikola](#) on Thu, 03 Nov 2011 08:56:03 GMT
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Here is another nice example of how to show progress.

```
PRO PROGRESS, MSG, CUR, MAX
  WRITEU, -1, STRING(FORMAT=('%\R",A," ",I3,"%")', $
    MSG, ROUND(FLOAT(CUR)/MAX*100))
  IF CUR EQ MAX THEN PRINT, "
END
```

Cheers, NV
