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Subject: Diagnostic printout  
Posted by [mjfreem](#) on Thu, 04 Aug 1994 17:19:03 GMT  
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I want to be able to print a diagnostic message that tells me what loop index my routine is on, without having the screen scroll by. Something equivalent to this:

```
#include <stdio.h>
main(){
int i,j,a;
for (i=0;i<10;i++){
    printf("Processing index number %i \r",i);
    a=fflush(NULL);
    for (j=0;j<10000000;j++);
}
printf("\n");
}
```

The j loop is there to waste time, so you can see the numbers iterate.  
The a=fflush(NULL) is to make sure the output buffer gets written to the screen.

I tried  
  print,format='(t1,"Processing index number ",i2,\$),i  
but it doesn't work right. Basically, there is no equivalent to \r that I can find in IDL.

Thanks, matt

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Subject: Re: Diagnostic printout  
Posted by [sjt](#) on Fri, 05 Aug 1994 11:17:08 GMT  
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M. Freeman (mjfreem@hubcap.clemson.edu) wrote:  
: I want to be able to print a diagnostic message that tells me  
: what loop index my routine is on, without having the screen  
: scroll by. Something equivalent to this:

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: printf("\n");  
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: The j loop is there to waste time, so you can see the numbers iterate.  
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: screen.
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: print,format=(t1,"Processing index number ",i2,$),i  
: but it doesn't work right. Basically, there is no equivalent to \r  
: that I can find in IDL.
```

```
: Thanks, matt
```

The following works on a Unix system:

```
cr=string(13b) ; 13 is ^M = <cr>  
for i = 0, 3 do print, format = '("Processing index number ",i2,a,$)', i, cr
```

On VMS I'm not sure as I suspect <cr> may be converted to <crlf>.

```
--  
James Tappin, School of Physics & Space Research  
University of Birmingham  
sjt@xun8.sr.bham.ac.uk  
"If all else fails--read the instructions!"
```

```
O_   
-- V`
```

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Subject: Re: Diagnostic printout  
Posted by [mjfreem](#) on Fri, 05 Aug 1994 15:06:49 GMT  
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sjt@xun8.sr.bham.ac.uk (James Tappin) writes:

```
> M. Freeman (mjfreem@hubcap.clemson.edu) wrote:  
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> : what loop index my routine is on, without having the screen  
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```

> On VMS I'm not sure as I suspect <cr> may be converted to <crlf>.

Thanks to you and to others who sent me workable solutions!

-matt

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