
Subject: Re: Padding numbers

Posted by [James Kuyper](#) on Thu, 03 Feb 2005 13:50:46 GMT

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Michael Wallace wrote:

> I've got a program which prints out the current time, but when it prints
> out the minutes or seconds, there's no 0 padding if the number is in the
> range 0 - 9.

>

> print, systime(/JULIAN), \$

> FORMAT = '(C(CDI, X, CMoA, X, CYI, X, CHI, ":", CMI, ":", CSI))'

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>

> This looks good, but just wait until those seconds roll over.

>

>

> print, systime(/JULIAN), \$

> FORMAT = '(C(CDI, X, CMoA, X, CYI, X, CHI, ":", CMI, ":", CSI))'

> 3 Feb 2005 1:54: 2

>

> Not so good. How do I change the format to fill that empty space with a

> zero? Same goes for minutes when they roll over. Thanks.

IDL> print,systime(/JULIAN), FORMAT = \$

IDL> '(C(CDI, X, CMoA, X, CYI, X, CHI2.2, ":", CMI2.2, ":", CSI2.2))'
3 Feb 2005 08:49:40

Subject: Re: Padding numbers

Posted by [Michael Wallace](#) on Thu, 03 Feb 2005 23:19:25 GMT

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> IDL> print,systime(/JULIAN), FORMAT = \$

> IDL> '(C(CDI, X, CMoA, X, CYI, X, CHI2.2, ":", CMI2.2, ":", CSI2.2))'

> 3 Feb 2005 08:49:40

Thanks, that did it. This is what I get for not being raised on FORTRAN
format codes. ;-)

-Mike

Subject: Re: Padding numbers

Posted by [JD Smith](#) on Mon, 21 Feb 2005 17:13:13 GMT

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On Thu, 03 Feb 2005 17:19:25 -0600, Michael Wallace wrote:

```
>> IDL> print,systime(/JULIAN), FORMAT = $
>> IDL> '(C(CDI, X, CMoA, X, CYI, X, CHI2.2, ":", CMI2.2, ":", CSI2.2))'
>> 3 Feb 2005 08:49:40
>
> Thanks, that did it. This is what I get for not being raised on FORTRAN
> format codes. ;-)
```

With IDL6.1, you can zero-pad like this as well:

```
IDL> print,FORMAT='(I02)',3
03
```

Why is this any better? Because you can do it with floating point values too:

```
IDL> print,FORMAT='(F08.5)',!PI
03.14159
```

It also gracefully degrades to blank padding in versions <6.1.

JD
