
Subject: number format in structure

Posted by [Koh Leong Tah](#) on Mon, 26 Sep 2005 01:16:09 GMT

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Hi All,

does anyone happen to know how I can specify the format to which numbers stored in structure tags should adhere?

for example, I'd like to (hypothetically) be able to do

```
s={a:3.2f,b=2.3f}
```

```
s.a=123.12345678
```

will yield

```
print,s.a  
123.12
```

Any ideas?

Thanks,
KL

Subject: Re: Number format

Posted by [Wout De Nolf](#) on Sat, 11 Sep 2010 09:45:58 GMT

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On Fri, 10 Sep 2010 20:43:57 -0700 (PDT), mahesh <mkmvarma@gmail.com> wrote:

```
> How do I change the format of numbers. For example : from '9.5600' to  
> '9.56E+00'. I need to write the numbers in this format into a text  
> file. I know there is 'FORMAT' function in IDL. I tried using it right  
> after the printf statement. But it is not converting it to the format  
> I wanted.  
> Thanks,  
> Mahesh
```

```
IDL> print,9.56,format='(E10.2)'  
9.56E+000
```

This means: scientific notation, 2 digits after the decimal point and a string length of 10 characters. Make sure this string length is large enough (depends on the numbers you're printing). On a windows platform, the exponent has 3 digits, on Linux it has 2. I don't think

you can change that (off course you can manipulate the string itself before printing it).
