

Nata

Subject: Re: problem with FIX function
Posted by [yuxipang](#) on Tue, 15 Nov 2016 14:29:00 GMT
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On Tuesday, November 15, 2016 at 9:12:19 AM UTC-5, AGW wrote:

```
> Hi, all
>
> .....
> IDL> x=40251.00
> IDL> print,fix(x)
>    -25285
> .....
> How it is result, what is the promplem?
x is beyond the limit of a signed integer range [-32,768 to +32,767] when using fix(x). Try this
instead ...
print, fix(x, type=3) ; convert to long integer or
print, long(x)
```

Hope this helps!

Subject: Re: problem with FIX function
Posted by [Ali Gamal](#) on Tue, 15 Nov 2016 18:38:55 GMT
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On Tuesday, November 15, 2016 at 4:12:19 PM UTC+2, AGW wrote:

```
> Hi, all
>
> .....
> IDL> x=40251.00
> IDL> print,fix(x)
>    -25285
> .....
> How it is result, what is the promplem?
```

Thanks, Now if

```
x=b+c+dd+d+1720991.5=2444351.5
```

```
IDL print x=2444352.0
```

why, how can I solve it?

Subject: Re: problem with FIX function

Posted by [Craig Markwardt](#) on Tue, 15 Nov 2016 19:30:57 GMT

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On Tuesday, November 15, 2016 at 1:38:57 PM UTC-5, AGW wrote:

> On Tuesday, November 15, 2016 at 4:12:19 PM UTC+2, AGW wrote:

>> Hi, all

>>

>>

>> IDL> x=40251.00

>> IDL> print,fix(x)

>> -25285

>>

>> How it is result, what is the promblem?

>

> Thanks, Now if

>

> x=b+c+dd+d+1720991.5=2444351.5

>

> IDL print x=2444352.0

Hard to know without understanding the variables and what formatting options you used to print it.

The statement

```
print, 2444351.5, format='(F0)'
```

does result in the correct output.

Subject: Re: problem with FIX function

Posted by [Ali Gamal](#) on Tue, 15 Nov 2016 20:10:32 GMT

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```
b=2.0-a+long((a/4.0))
```

```
c=long([365.25*y1]-0.75)
```

```
dd=long(30.6001*(am1+1))
```

```
d=d1+(h1/24.0)
```
