
Subject: Re: Convert hex string to number

Posted by [Michael Wallace](#) on Fri, 24 Jun 2005 22:02:12 GMT

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>> Assume you have a hexadecimal number stored as a string. How do you
>> convert this string to a numeric data type? I can easily convert a number
>> into a hex string, but how do you go the other way?

>>

>> -Mike

>

>

>

> IDL> s = 'f'

>

> IDL> reads, s,out,format='(z)'

>

> IDL> help,out

>

> OUT FLOAT = 15.0000

It seems that when the hex numbers get so big, I start losing precision on the conversion. I have tried a number of different ideas with the format codes, but nothing has worked so far. It appears that reads always stores the output value as a float despite how big the input number is. Is there a way to for it to use double or long on the conversion?

IDL> reads, '1234abcd', output, format = '(Z)'

IDL> print, output, FORMAT = '(I10)'

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IDL> reads, '1234abce', output, format = '(Z)'

IDL> print, output, FORMAT = '(I10)'

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IDL> reads, '1234abcf', output, format = '(Z)'

IDL> print, output, FORMAT = '(I10)'

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Something is not right with the above picture...

-Mike
