## Subject: extract numbers from string Posted by Tobi on Tue, 21 Jun 2005 20:59:04 GMT

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i have a data file with a header that has several lines, which i read with

readf,1,firstline readf,1,secondline ....

firstline is a string that looks like xpixels = 1024

i am trying to convert this to a variable called nx which has the value 1024.

is there a clean and easy way to do this?

Thanks!

Subject: Re: extract numbers from string
Posted by Haje Korth on Wed, 22 Jun 2005 12:18:52 GMT
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Try this: nx=long(strmid(firstline,10,4)). You may have to adjust the position and length (10 & 4) depending on your range of variables.

"Tobi" <tbeetz@yahoo.com> wrote in message
news:1119387544.336298.199520@f14g2000cwb.googlegroups.com...
> i have a data file with a header that has several lines, which i read
> with
>
 readf,1,firstline
> readf,1,secondline
> ....
>
 firstline is a string that looks like
> xpixels = 1024
>
 i am trying to convert this to a variable called nx which has the value
> 1024.
>
 is there a clean and easy way to do this?
> Thanks!

Subject: Re: extract numbers from string
Posted by Ken Mankoff on Wed, 22 Jun 2005 12:55:43 GMT
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```
On Tue, 21 Jun 2005, Tobi wrote:
> i have a data file with a header that has several lines, which i read
> with
> readf,1,firstline
> readf,1,secondline
>
> firstline is a string that looks like
> xpixels = 1024
>
> i am trying to convert this to a variable called nx which has the
> value 1024.
> is there a clean and easy way to do this?
success = execute(firstline)
success = execute( secondline )
 -k.
http://spacebit.dvndns.org/
```

Subject: Re: extract numbers from string Posted by Haje Korth on Wed, 22 Jun 2005 14:10:49 GMT View Forum Message <> Reply to Message

Pretty clever, I guess I am one of the only IDL programmers out here that is not using the execute function.

Haje

```
"Ken Mankoff" <mankoff@gmail.com> wrote in message news:Pine.OSX.4.61.0506220854490.440@gouda.localhost... >
> On Tue, 21 Jun 2005, Tobi wrote:
>> i have a data file with a header that has several lines, which i read >> with
```

```
>>
>> readf,1,firstline
>> readf,1,secondline
>> ....
>>
>> firstline is a string that looks like
>> xpixels = 1024
>> i am trying to convert this to a variable called nx which has the value
>> 1024.
>>
>> is there a clean and easy way to do this?
>
> success = execute( firstline )
  success = execute( secondline )
>
   -k.
> http://spacebit.dyndns.org/
```

Subject: Re: extract numbers from string Posted by Norbert Hahn on Wed, 22 Jun 2005 14:27:38 GMT View Forum Message <> Reply to Message

```
"Tobi" <tbeetz@yahoo.com> wrote:
```

```
> i have a data file with a header that has several lines, which i read
> with
>
> readf,1,firstline
> readf,1,secondline
> ....
>
> firstline is a string that looks like
> xpixels = 1024
>
> i am trying to convert this to a variable called nx which has the value
> 1024.
>
> is there a clean and easy way to do this?

I would use
reads, firstline, nx, format="(9X,I5)"
```

The format statment cause reads to skip 9 characters and then expect up to 5 digits for an integer number.

HTH Norbert

Subject: Re: extract numbers from string Posted by enod on Thu, 23 Jun 2005 08:30:40 GMT

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Why not use '=' as the seperator?

Tian.

Subject: Re: extract numbers from string Posted by R.Bauer on Tue, 05 Jul 2005 20:19:29 GMT

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## Haje Korth wrote:

- > Pretty clever, I guess I am one of the only IDL programmers out here that
- > is not using the execute function.

>

> Haje

>

No, I am too :-)

Btw. for this it is not necessary to use execute.

You could do this by SCOPE\_VARFETCH and this one runs in vm too.

cheers

Reimar

- > "Ken Mankoff" <mankoff@gmail.com> wrote in message
- > news:Pine.OSX.4.61.0506220854490.440@gouda.localhost...

>>

- >> On Tue, 21 Jun 2005, Tobi wrote:
- >>> i have a data file with a header that has several lines, which i read
- >>> with

>>>

- >>> readf,1,firstline
- >>> readf,1,secondline

```
>>> ....
>>>
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>>> is there a clean and easy way to do this?
>>
>> success = execute( firstline )
>> success = execute( secondline )
>>
    -k.
>>
>>
>> --
>> http://spacebit.dyndns.org/
>>
Forschungszentrum Juelich
email: R.Bauer@fz-juelich.de
http://www.fz-juelich.de/icg/icg-i/
                              _____
a IDL library at ForschungsZentrum Juelich
http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro. html
```