
Subject: extract numbers from string

Posted by [Tobi](#) on Tue, 21 Jun 2005 20:59:04 GMT

[View Forum Message](#) <> [Reply to Message](#)

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

[View Forum Message](#) <> [Reply to Message](#)

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
[View Forum Message](#) <> [Reply to Message](#)

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 [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 statement 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
[View Forum Message](#) <> [Reply to Message](#)

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
[View Forum Message](#) <> [Reply to Message](#)

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

```
>>> ....
>>>
>>> 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/
>>

--
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
```
