
Subject: Odd string/index problem

Posted by [wmc](#) on Wed, 13 Sep 2000 07:00:00 GMT

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Can someone explain this to me:

```
wmc> a='stoat'
wmc> print,a([0]),'>'
stoat
>
wmc> print,a(0),'>'
stoat>
```

This irritation surfaced when I tried to do
i=where(strings eq somestring)
print,strings(i)

which needs to be
i=i[0]
print,strings(i)

but why?

-W.

--

William M Connolley | wmc@bas.ac.uk | <http://www.nerc-bas.ac.uk/icd/wmc/>
Climate Modeller, British Antarctic Survey | Disclaimer: I speak for myself

Subject: Re: Odd string/index problem

Posted by [wmc](#) on Thu, 14 Sep 2000 07:00:00 GMT

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Martin Schultz <martin.schultz@dkrz.de> wrote:

>> [...] after printing an array, IDL always starts a new line

>> OK, its an array, but is it acceptable that IDL always starts a new line

>> after printing an array? Whats the justification for that?

```
> a = findgen(10)
> b = findgen(20)
> c = indgen(4)
```

```
> print,a,b,c
```

No, this is cheating, in this case print clearly has to do formatting,
since the items are numeric. In the case of strings, the need to exta

formatting is not clear.

-W.

--

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Subject: Re: Odd string/index problem

Posted by [Paul van Delst](#) on Thu, 14 Sep 2000 07:00:00 GMT

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wmc@bas.ac.uk wrote:

>

> marc <m_schellens@hotmail.com> wrote:

>> wmc@bas.ac.uk wrote:

>>> wmc> a='stoat'

>>> wmc> print,a([0]),'>'

>>> stoat

>>>>

>>> wmc> print,a(0),'>'

>>> stoat>

>

>> This is because your i is an array, while i[0] is a scalar.

>> therefore strings(i) is a string array, while strings(i[0]) is a scalar.

>

>> after printing an array, IDL always starts a new line

>

> OK, its an array, but is it acceptable that IDL always starts a new line

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>

IDL> a = [1,2,4,7,11]

IDL> b = [2.0,3.7,4.0]

IDL> c = [2,6,4,9,4,2,7]

IDL> print, a, b, c, FORMAT = '(5i5,3f7.3,7i5)'

```
 1  2  4  7 11 2.000 3.700 4.000  2  6  4  9
4  2  7
```

IDL> print, a, b, c

```
 1    2    4    7   11
2.00000 3.70000 4.00000
 2    6    4    9    4    2    7
```

Well, I gotta tell you, I prefer the default option.

I print out full arrays more often than single elements (or single element arrays). If the first example was the default it would be pretty

annoying don't you reckon?

paulv

--

Paul van Delst Ph: (301) 763-8000 x7274
CIMSS @ NOAA/NCEP Fax: (301) 763-8545
Rm.202, 5200 Auth Rd. Email: pvandelst@ncep.noaa.gov
Camp Springs MD 20746

Subject: Re: Odd string/index problem
Posted by [Martin Schultz](#) on Thu, 14 Sep 2000 07:00:00 GMT
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> after printing an array, IDL always starts a new line
>
> OK, its an array, but is it acceptable that IDL always starts a new line
> after printing an array? Whats the justification for that?
>

I really like this feature! Say you have

```
a = findgen(10)
b = findgen(20)
c = indgen(4)
```

```
print,a,b,c
```

It would be much harder to distinguish between the arrays if IDL would not break the line.

Martin

--

```

[[ Dr. Martin Schultz   Max-Planck-Institut fuer Meteorologie   [[
[[                      Bundesstr. 55, 20146 Hamburg                      [[
[[                      phone: +49 40 41173-308                      [[
[[                      fax: +49 40 41173-298                      [[
[[ martin.schultz@dkrz.de                      [[

```

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Posted by [wmc](#) on Thu, 14 Sep 2000 07:00:00 GMT
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