Subject: Re: how to convert a row of data in a column?
Posted by panklbj on Fri, 25 Jan 2013 13:42:09 GMT
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I realized the following is wrong. I was affected by c++. I tried to create a 0 array and put the values of set in the value. It doesn't work for idl in this way.

d=dblarr(1,7)
set=d

Subject: Re: how to convert a row of data in a column?
Posted by on Fri, 25 Jan 2013 13:44:39 GMT
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Den fredagen den 25:e januari 2013 kl. 14:34:58 UTC+1 skrev pan...@gmail.com:
> I am using an external program which returns me a one dimensional array, .i.e. a row of data like this.
>
>
>
> 1 2 5 7 8 9 0
>
>
>
> The problem is that I need to read it as a column of data. I tried to create an array to store it but it doesn't work.
>
> (Here set=[1 2 5 7 8 9 0])
>
>
>
> d=dblarr(1,7)
>
> set=d
>
>
>
> but when I print set on the screen, it is still
>
> 1 2 5 7 8 9 0
>
> instead of
>
> 1
>
> 2

>
> 5
>
> 7
>
> 8
>
> 9
>
> 0
>
>
>
> what can I do?
>
>
>
> Many thanks

I'm not sure what lines you actually executed, because after the ones you posted both set and d should be a (1,7) array of zeros, which would print as a column and not as a row.

If you replace the set=d line with d[0]=set, the d vector should print as

```
IDL> print,d
      1.0000000
      2.0000000
      5.0000000
      7.0000000
      8.0000000
      9.0000000
      0.0000000
```

Subject: Re: how to convert a row of data in a column?
Posted by panklbj on Fri, 25 Jan 2013 13:57:04 GMT
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Thanks, I solved the problem myself by writing a for loop.

Subject: Re: how to convert a row of data in a column?
Posted by Phillip Bitzer on Fri, 25 Jan 2013 17:01:26 GMT
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On Friday, January 25, 2013 7:57:04 AM UTC-6, pan...@gmail.com wrote:
> Thanks, I solved the problem myself by writing a for loop.

In IDL, for loops are the embodiment of pure evil:

http://www.idlcoyote.com/tips/forloops.html

Well, maybe not so bad sometimes:

http://www.idlcoyote.com/tips/forloops2.html

But, for your problem, you're trying to convert to a row vector into a column vector. A couple ways to that:

IDL> d = TRANSPOSE(set) & help, d

or

IDL> d = REFORM(set, 1, N_ELEMENTS(set))
