
Subject: Transpose of string along with float variable??

Posted by [Sapna Mishra](#) on Wed, 23 Nov 2016 11:08:43 GMT

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Hello every one,

Can any one tell me how to print transpose of arrays which includes array of string, float and integers together??

Eg. s=['dog','cat','monkey ']

n=[1,2,3]

x=[100.0,109.0,111.0]

when I am doing :

IDL> print,transpose([[n],[s],[x]])

I get:

% Type conversion error: Unable to convert given STRING to Integer.

1 0 100

2 0 109

3 0 111

I want to print:

1 dog 100.0

2 cat 109.0

3 monkey 111.0

I know its just a small problem but I am using such things in my big complicated code.

Subject: Re: Transpose of string along with float variable??

Posted by [Helder Marchetto](#) on Wed, 23 Nov 2016 11:38:45 GMT

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On Wednesday, November 23, 2016 at 12:08:45 PM UTC+1, Sapna Mishra wrote:

> Hello every one,

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> Can any one tell me how to print transpose of arrays which includes array of

> string, float and integers together??

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> I want to print:
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> 2 cat 109.0
> 3 monkey 111.0
>
> I know its just a small problem but I am using such things in my big complicated code.
```

Probably not what you were looking for, but how about this?

```
print,transpose( [ [string(n)],[string(s)],[string(x)] ] )
  1 dog      100.000
  2 cat      109.000
  3 monkey   111.000
```

Cheers,
Helder

Subject: Re: Transpose of string along with float variable??
Posted by [Sapna Mishra](#) on Wed, 23 Nov 2016 11:48:07 GMT
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On Wednesday, November 23, 2016 at 5:08:48 PM UTC+5:30, Helder wrote:

```
> On Wednesday, November 23, 2016 at 12:08:45 PM UTC+1, Sapna Mishra wrote:
>> Hello every one,
>>
>> Can any one tell me how to print transpose of arrays which includes array of
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>> Eg. s=['dog','cat','monkey ' ]
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> print,transpose( [ [string(n)],[string(s)],[string(x)] ])
>      1 dog      100.000
>      2 cat      109.000
>      3 monkey    111.000
>
> Cheers,
> Helder
```

Ohhh this worked Thanku very very much!!!!!!!!!!!!!!

Subject: Re: Transpose of string along with float variable??
Posted by [Matthew Argall](#) on Wed, 23 Nov 2016 17:11:44 GMT
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Alternatively,

```
s=['dog','cat','monkey ' ]
n=[1,2,3]
x=[100.0,109.0,111.0]
```

```
for i = 0, n_elements(s)-1 do print, n[i], s[i], x[i], FORMAT='(i3, 2x, a6, 2x, f7.2)'
1   dog  100.00
2   cat  109.00
3 monkey 111.00
```

Subject: Re: Transpose of string along with float variable??
Posted by [Phillip Bitzer](#) on Thu, 01 Dec 2016 20:47:02 GMT
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Implicit in Helder's response is what cause your problem in the first place.

Arrays must be of the same variable type, so strings and floats cannot be in the same array.

Helder's solution cast the floats (and integers) as strings; now, we have all the same variable type (string) and they can be in an array.
