Subject: Re: add a line and column into an array Posted by Chris[6] on Tue, 02 Dec 2008 02:56:14 GMT

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```
On Dec 1, 3:50 pm, Elkunn < Wasit. Weat... @gmail.com > wrote:
> Hello,
> I have an array of floating numbers. Can I add one line as the first
> line of the array, and one column as the first column,
> The data I would like to add is strings. Basically, I want to print
> them into a txt file
> E.G.:
> data= fltarr(9.9)
> years = ['1950', '1960', '1970', '1980', '1990', '2000', '2010',
> '2020', '2030']
> Name= ['test1', 'test2', 'test3', 'test4', 'test5', 'test6', 'test7',
> 'test8', 'test9']
> I want to print years as a 1st line of the txt file, and Name as the
> 1st column, then the data array.
> Thanks
try something like this (untested)
openw, 1, 'out.txt'
printf, 1, years ;- you may need to transpose this to get it to print
in one line
for i = 0, 8, 1 do begin
 printf, 1, name[i], data[i,*], format='(a, f)'; - maybe you want data
[*,i]
endfor
close, 1
chris
```

Subject: Re: add a line and column into an array Posted by Wasit. Weather on Tue, 02 Dec 2008 03:39:07 GMT View Forum Message <> Reply to Message

```
On Dec 1, 8:56 pm, Chris <beaum...@ifa.hawaii.edu> wrote:
> On Dec 1, 3:50 pm, Elkunn <Wasit.Weat...@gmail.com> wrote:
>
>
>
>
Hello,
```

```
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>> line of the array, and one column as the first column,
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> for i = 0, 8, 1 do begin
  printf, 1, name[i], data[i,*], format='(a, f)'; maybe you want data
> [*,i]
> endfor
> close, 1
> chris- Hide quoted text -
> - Show quoted text -
```

Thank you!

That should work. I thought it to complicated before. Does format='(a, f)' handle to print all of the data in one line?

Sorry, my data is in office, not at home, so I can not test yet.

Cheears

Subject: Re: add a line and column into an array Posted by Jean H. on Tue, 02 Dec 2008 12:53:18 GMT View Forum Message <> Reply to Message

```
>> for i = 0, 8, 1 do begin
>> printf, 1, name[i], data[i,*], format='(a, f)' ;- maybe you want data
>> [*,i]
>> endfor
>> close, 1
```

```
>>
>> chris- Hide quoted text -
>>
>> - Show quoted text -
> Thank you!
> That should work. I thought it to complicated before. Does format='(a,
> f)' handle to print all of the data in one line?
> Sorry, my data is in office, not at home, so I can not test yet.
>
> Cheears
Hi,
If it doesn't, try (a,9f)
Personally, especially for small prints, I like to prepare my text
before printing...
textToPrint =[ transpose(name), [string(data)]]
print, textToPrint
You might want to add the format to the string() function
```

Subject: Re: add a line and column into an array Posted by Wasit. Weather on Tue, 02 Dec 2008 16:01:56 GMT View Forum Message <> Reply to Message

```
On Dec 2, 6:53 am, "Jean H." <jghas...@DELTHIS.ucalgary.ANDTHIS.ca> wrote:

>>> for i = 0, 8, 1 do begin

>>> printf, 1, name[i], data[i,*], format='(a, f)' ;- maybe you want data

>>> [*,i]

>>> endfor

>>> close, 1

>

>>> chris- Hide quoted text -

>

>> Thank you!

>> That should work. I thought it to complicated before. Does format='(a,

>> f)' handle to print all of the data in one line?

>> Sorry, my data is in office, not at home, so I can not test yet.

>> Cheears
```

Jean

```
    Hi,
    If it doesn't, try (a,9f)
    Personally, especially for small prints, I like to prepare my text
    before printing...
    textToPrint =[ transpose(name), [string(data)]]
    print, textToPrint
    You might want to add the format to the string() function
    Jean- Hide quoted text -
    Show quoted text -
```

Thank you all. I took the advice on data output part form Cris, and Format from Jean, that worked. Is there anyway to leave and empty row after several number of lines.

Is there anyway to leave and empty row after several number of lines and input a semi colon or colon after each values?

thanks

Subject: Re: add a line and column into an array Posted by Jean H. on Tue, 02 Dec 2008 17:09:35 GMT View Forum Message <> Reply to Message

- > Thank you all. I took the advice on data output part form Cris, and
- > Format from Jean, that worked.
- > Is there anyway to leave and empty row after several number of lines,
- > and input a semi colon or colon after each values?

> thanks

read the help page "Using Explicitly Formatted Input/Output" (accessible from the print help page)

```
print, data, format = (2(9(f,";")/))'
```

```
(f,";") ==>  put a semicolon after each value 9(f,";") ==>  write 9 values (9(f,";")/) ==>  write 9 values and finish with a new line 2(9(f,";")/) ==>  write 2 times 9 values, then new line.
```

To skip 2 lines, put // etc

Jean

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```
On Dec 2, 11:09 am, "Jean H." < jghas...@DELTHIS.ucalgary.ANDTHIS.ca>
wrote:
>> Thank you all. I took the advice on data output part form Cris, and
>> Format from Jean, that worked.
>> Is there anyway to leave and empty row after several number of lines,
>> and input a semi colon or colon after each values?
>> thanks
>
> read the help page "Using Explicitly Formatted Input/Output"
  (accessible from the print help page)
>
> print, data, format = '(2(9(f,";")/))'
> (f,";") ==> put a semicolon after each value
> 9(f,";") ==> write 9 values
> (9(f,";")/) ==> write 9 values and finish with a new line
> 2(9(f,";")/) ==> write 2 times 9 values, then new line.
  To skip 2 lines, put // etc
> Jean
```

Thank you it helps a lot!