
Subject: Re: add a line and column into an array
Posted by [Chris\[6\]](#) on Tue, 02 Dec 2008 02:56:14 GMT
[View Forum Message](#) <> [Reply to Message](#)

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,

```

>> 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- 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
Jean

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 -
>
>>> - 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
> Jean- Hide quoted text -
>
> - Show quoted text -

Thank you all. I took the advice on data output part from Cris, and
Format from Jean, that worked.
Is there anyway to leave an 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 from Cris, and
> Format from Jean, that worked.
> Is there anyway to leave an 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

Subject: Re: add a line and column into an array

Posted by [Wasit.Weather](#) on Tue, 02 Dec 2008 19:12:21 GMT

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

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 from Cris, and
>> Format from Jean, that worked.
>> Is there anyway to leave an 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!
