
Subject: print .txt files with all my data in columns
Posted by [carolinaperpina](#) on Thu, 22 May 2014 08:22:22 GMT
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Hi all,

I am quite new using IDL and I would like to merge different arrays just in one .txt file.

I wrote at the begging of my code:

```
CLC_CAPRIfile1990 = odir + country + '_1990_CLC_CAPRI.txt'  
openw, 4, CLC_CAPRIfile1990
```

```
**first array [21,3]  
capri_clc1990 = [[long(arableCLC90s)], [long(arableCAPRI1990s)], [long(PC_CLC90s)]]
```

```
***second array [21,3]  
capri_clc2000 = [[long(arableCLC00s)], [long(arableCAPRI2000s)], [long(PC_CLC00s)]]
```

I would like to print an array of [42,3], that's mean that the merging should be in columns (I can accepted also in rows).

```
printf, 4, *****I don not how to do this print.
```

Thank you very much in advance.
Regards,
Carolina

Subject: Re: print .txt files with all my data in columns
Posted by [Fabzi](#) on Thu, 22 May 2014 08:40:57 GMT
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Hi Carolina,

maybe is write_csv something for you?

http://www.exelisvis.com/docs/WRITE_CSV.html

On 22.05.2014 10:22, carolinaperpina@gmail.com wrote:

> Hi all,

>

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>
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> Thank you very much in advance.
> Regards,
> Carolina
>

Subject: Re: print .txt files with all my data in columns
Posted by [carolinaperpina](#) on Thu, 22 May 2014 08:51:26 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Thursday, May 22, 2014 10:22:22 AM UTC+2, carolin...@gmail.com wrote:

> Hi all,
>
>
>
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>
>

```

>
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>
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>
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>
> Thank you very much in advance.
>
> Regards,
>
> Carolina

```

Hi Fabien,
First of all, thank you very much for replying me.
Yes, I thought at the beginning to use write_csv but I do not how to write the code, could you help me please?. It should be something like....

```
capri_clc1990 = [[long(arableCLC90s)], [long(arableCAPRI1990s)], [long(PC_CLC90s)]]
```

```
capri_clc2000 = [[long(arableCLC00s)], [long(arableCAPRI2000s)], [long(PC_CLC00s)]]
```

```
csv_CLC_CAPRI= odir + country + '_CLC_CAPRI90.csv' ***file name
```

write_csv, csv_CLC_CAPRI, ***** I do not what to write he...

Thank you very much.
Carolina

Subject: Re: print .txt files with all my data in columns
Posted by [carolinaperpina](#) on Thu, 22 May 2014 09:00:35 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Thursday, May 22, 2014 10:22:22 AM UTC+2, carolin...@gmail.com wrote:

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>
>
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```

>
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>
> printf, 4, *****I don not how to do this print.
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>
>
>
>
>
> Thank you very much in advance.
>
> Regards,
>
> Carolina

The problem is that write_csv just accept 8 columns. My data are bigger than 8, I have put just an example of it.
Thank you!

Subject: Re: print .txt files with all my data in columns
Posted by [Fabzi](#) on Thu, 22 May 2014 09:16:59 GMT
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If you read the documentation you see that:

Data1 can be an IDL structure in which each field contains a vector of data that corresponds to a separate column in the output file. The vectors must all have the same number of elements, but can have different data types. If Data1 is an IDL structure, all other Data arguments are ignored.

Data1 can be a two-dimensional array in which each column in the array corresponds to a separate column in the output file. If Data1 is a two-dimensional array, all other Data arguments are ignored.

This allows you to have any number of columns you want

On 22.05.2014 11:00, carolinaperpina@gmail.com wrote:

> On Thursday, May 22, 2014 10:22:22 AM UTC+2, carolin...@gmail.com wrote:
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>>
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>> ***second array [21,3]
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>> Thank you very much in advance.
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>> Regards,
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>> Carolina
>
> The problem is that write_csv just accept 8 columns. My data are bigger than 8, I have put just
an example of it.
> Thank you!
>
```

Subject: Re: print .txt files with all my data in columns
Posted by [carolinaperpina](#) on Thu, 22 May 2014 10:56:44 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Thursday, May 22, 2014 10:22:22 AM UTC+2, carolin...@gmail.com wrote:

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>
> printf, 4, *****I don not how to do this print.
>
>
>
>
```

>
> Thank you very much in advance.
>
> Regards,
>
> Carolina

Hi Fabien,
Thank you very much for your explanation, because I thought that was the number of columns, I got it!

So, taking into account my example, it should be...

```
capri_clc1990 = [[long(arableCLC90s)], [long(arableCAPRI1990s)], [long(PC_CLC90s)]]
```

```
capri_clc2000 = [[long(arableCLC00s)], [long(arableCAPRI2000s)], [long(PC_CLC00s)]]
```

```
csv_CLC_CAPRI= odir + country + '_CLC_CAPRI90.csv' ***file name  
write_csv, csv_CLC_CAPRI, capri_clc1990, capri_clc2000
```

It is this correct?

Because also I was thinking to do it like this:

```
capri_clc1990 = [[long(arableCLC90s)], [long(arableCAPRI1990s)], [long(PC_CLC90s)]]
```

```
capri_clc2000 = [[long(arableCLC00s)], [long(arableCAPRI2000s)], [long(PC_CLC00s)]]
```

```
capri_1991_2000 = [[capri_clc1990], capri_clc2000]]
```

```
csv_CLC_CAPRI= odir + country + '_CLC_CAPRI90.csv' ***file name  
write_csv, csv_CLC_CAPRI, capri_1991_2000
```

I do not know how to write it in a proper way...

Regards,
Carolina

Subject: Re: print .txt files with all my data in columns
Posted by [Fabzi](#) on Thu, 22 May 2014 12:40:28 GMT
[View Forum Message](#) <> [Reply to Message](#)

On 22.05.2014 12:56, carolinaperpina@gmail.com wrote:

> write_csv, csv_CLC_CAPRI, capri_clc1990, capri_clc2000
>
> It is this correct?

I guess the best way to see if this is correct would be to check if the csv file contains the right data at the right place. Use the HEADER keyword to name your columns. Many readers can read csv files like OpenOffice calc or Microsoft Excel. Even IDL can read csv files with READ_CSV

Subject: Re: print .txt files with all my data in columns
Posted by [carolinaperpina](#) on Thu, 22 May 2014 14:37:06 GMT
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On Thursday, May 22, 2014 10:22:22 AM UTC+2, carolin...@gmail.com wrote:

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> ***second array [21,3]

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> printf, 4, *****I don not how to do this print.
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>
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>
>
> Thank you very much in advance.
>
> Regards,
>
> Carolina

HI fabien,

Yes,I will try it!
Again, thank you very much for your help!

Kind Regards,
Carolina
