
Subject: help with appending strings
Posted by [g.nacarts](#) on Thu, 14 Aug 2014 18:42:02 GMT
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Hi all

So far I was working with 1 pair of stings (total=2 strings) but now I need to work with 180 pairs (total=360 strings). I define my two strings as shown below:

```
1 = 'C:\Users\string1'  
2 = 'C:\Users\string2'
```

procedure....

Because now I need to define 360 strings I was wondering if I can write a loop instead of defined this like this.

With thanks
Gina

Subject: Re: help with appending strings
Posted by [Matthew Argall](#) on Thu, 14 Aug 2014 18:49:24 GMT
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No loops necessary! Two ideas:

```
myStrArr = 'C:\Users\string' + strtrim(indgen(360), 2)  
myStrArr = 'C:\Users\string' + string(indgen(360), FORMAT='(i03)')
```

The format keyword is used to ensure all numbers have 3 digits (i.e. 001), so that sorting them is easier.

Subject: Re: help with appending strings
Posted by [Craig Markwardt](#) on Thu, 14 Aug 2014 18:51:01 GMT
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On Thursday, August 14, 2014 2:42:02 PM UTC-4, g.na...@gmail.com wrote:

> Hi all

>

>

>

> So far I was working with 1 pair of stings (total=2 strings) but now I need to work with 180 pairs (total=360 strings). I define my two strings as shown below:

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```
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> 2 = 'C:\Users\string2'
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>
>
> procedure....
>
>
>
> Because now I need to define 360 strings I was wondering if I can write a loop instead of
defined this like this.
```

Yes you can. Try making an array of strings,
dirs = ['C:\Users\string1', 'C:\Users\string2', 'C:\Users\string3']

And then loop through the strings and operate on them.
for i = 0, n_elements(dirs)-1 do begin
 dir = dirs[i]
 ;; operate on DIR
endfor

Craig

Subject: Re: help with appending strings
Posted by [g.nacarts](#) on Thu, 14 Aug 2014 19:06:13 GMT
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My strings are csv files. I forgot to mention this before

```
1 = 'C:\Users\string1.csv'
2 = 'C:\Users\string2.csv'
```

Subject: Re: help with appending strings
Posted by [g.nacarts](#) on Thu, 14 Aug 2014 19:51:43 GMT
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I tried what Matthew has suggest me but I have a problem. Because I need to visualize the string since it's an image I am using the tvscl command but it's not able to display the image because string expression is not allowed. I tried to convert the string array to numeric using the double like this myStrArr = double(myStrArr) but I got the following error: Type conversion error: Unable to convert given STRING to Double.

Subject: Re: help with appending strings
Posted by [Phillip Bitzer](#) on Fri, 15 Aug 2014 00:16:43 GMT
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On Thursday, August 14, 2014 2:51:43 PM UTC-5, g.na...@gmail.com wrote:
> Because I need to visualize the string since it's an image

This doesn't make any sense. String is a particular variable type. Image (typically some sort of 2d numeric array) is a different variable type. (OK, OK, so it could be 3d....)

Further, trying to cast a string to double, in general, doesn't work. (Unless the string is a number of course.)

TVSCL takes a 2d array. So, a string wouldn't work - wrong variable type. You can't "visualize" a string in this way. Perhaps what you mean is the data in the files (the strings) have 2d data?

If so, you need to actually read in the data. I'm guessing you want something along the lines of READ_CSV, READCOL, etc. You'll manipulate the output to make a 2d array.

Craig's post gives a clue how to do this. ("operate on DIR"). This is where you would read in the data, for each string (file).
