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Subject: Re: Filling array in loop  
Posted by [penteado](#) on Mon, 18 Jul 2011 18:46:08 GMT  
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On Jul 18, 3:06 pm, Alexa <alexa7...@gmail.com> wrote:

```
> Hi All,
>
> I'm trying to write a routine that loops through folders, grabs data
> from each folder, and makes one large array out of all the
> information. This is what I'm currently trying,
>
> ;;Open file with list of metallicities and put into an array
> ReadCol, "MetalsList.txt", Metal, Format='a'
> print, Metal
>
> ;;Create temporary arrays for the transitions
> Result=FLTARR(41, 25)
>
> ;;Open the metals folders in order to read in col.txt
>
> for nt=0, N_ELEMENTS(Metal)-1 do begin
>   cd, Metal[nt]
>   print, Metal[nt]
>   ;;Read in column densities
>   ReadCol, 'Result.cd', U, result, Format='a'
>
>   cd, '..'
>
>   ;Fill arrays
>
>   Result(nt)=[U, result]
>   print, Result
> endfor
>
> But instead of one large array, I get a smaller array for each folder.
> Any suggestions on how I can fix this?
```

On each pass through the line

```
ReadCol, 'Result.cd', U, result, Format='a'
```

I would expect (I do not know the details of readcol) the array result to be reassigned, containing just what was read, throwing out whatever was in it before. If so, you can just use another variable for readcol.

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