Hi,

Your code should be something like:

```
FUNCTION multfile

;get list of filenames
result = Dialog_Pickfile(/Multiple_Files)

;get number of slices
n_slices = n_elements(result)

;create an empty image of size 512x512xn_slices
img = BYTARR(512,512,n_slices)

;for each slice in the selection
for i = 0, n_slices-1 do begin

;get filename
  filename = result[i]

;create empty slice
  image = bytarr(512,512)

;open file and fill in slice
  OpenR, lun, filename, /Get_lun
  ReadU, lun, image
  Free_lun, lun

;store slice in volume
  img[*,*,i]=image
endfor

;return image
return, img

END
```

You would use this function like:

```
volume=multifile()
```

where volume is the final volume of slices you'd like to access.

If you'd like to read DICOM data, then you should replace the three file
I/O lines (OPENR, READU, FREE_LUN etc.) with the appropriate lines for
reading DICOM data.

Hope this helps.

Cheers,
Bhautik

ps. if you are feeling like a bit of a n00b* with IDL, I do suggest you
spend some quality time with the IDL online help, and, when you really
want to get into it, <plug> read David Fannings ' IDL Programming
Techniques, 2nd Edition,' (www.dfanning.com) </plug> :)

*go see: http://www.bosskey.net/quake/glossary.html

> hi Dr.Joshi,
>
> here is the code that i wrote to change 2D array into
> a 3D form. I can now see there are as many images as i
> pick. but i want to get them in a variable which will
> be in an array form, that i can index the array for
> the particular slice like a[*,*,10]
>
> i don't know how to save the image in an array form.
>
> Please tell me how to achieve that...
>
> Thanking you,
> Sincerely,
> Akhila.
>
> PRO multfile
>
> result = Dialog_Pickfile(/Multiple_Files)
> help, result
> a = size(result)
> b = a[3]
>
> for i = 0, b-1 do begin
> filename = result[i]
> image = bytarr(512,512)
> OpenR, lun, filename, /Get_lun
> ReadU, lun, image
> Free_lun, lun
> help, image
>
> endfor

>
> END

```
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 /                                      \
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```