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Subject: Re: For loop - Question

Posted by [Yngvar Larsen](#) on Tue, 13 Jan 2015 14:46:21 GMT

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On Tuesday, 13 January 2015 15:02:48 UTC+1, g.na...@gmail.com wrote:

> Hi

>

> I create a for loop to store my Data in a 3D array [100,200,200]. Then I used my data array to calculate another matrix B as shown below:

>

> for i=0, 99 do begin

>   ArrayData = C:\Users\..\

> endfor

I assume you mean something like this:

```
ArrayData = fltarr(100,200,200)
```

```
for i=0,99 do ArrayData[i,*,*] = my_get_data_from_file_function(file[i])
```

assuming that all the files contain data of the same size (200 x 200).

```
> B = total(ArrayData[0:4,*,*],1)/5.
```

This is the average of the first 5 images. Is this what you want?

> A question that I have is once I used the ArrayData outside the for loop does it contains all the elements of the array or just those on the place [100,120,120]?

I'm not really sure what you are asking about? ArrayData contains the elements you read into it in your loop. In the pseudocode you posted, it looks like you overwrite the array on each iteration in the loop. This is likely not what you want.

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Yngvar

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