Subject: Re: Sorting with IDL... Please give me any suggestions!!! Posted by Braedley on Thu, 21 Dec 2006 15:24:10 GMT

View Forum Message <> Reply to Message

Your problem is that you cannot concatenate a string array that doesn't contain only number strings with a number array. That's beside the fact that you're concatenating them improperly. Not a bad idea to store them in a structure.

```
file='score.txt'
lines=file_lines(file)
temp=strarr(2, lines)
openr, lun, /get_lun, file
readf, lun, temp
free_lun, lun
nm=temp[0, *]
sc=float(temp[1, *])
inds=sort(sc)
nm=nm[inds]
sc=sc[inds]

print, 'The Scores:'
for i=0, lines-1 do print, nm[i], sc[i]
```

And that's that

Braedley

DirtyHarry wrote:

- > I am trying to learn the sort function in IDL. I would like to sort the
- > final grades of my students in this semester.

```
>
> Jung
        75
> Hyun 98
> Ji
       95
> Young 92
> Chun 88
> Dong 89
> Joo
        87
> Won
        82
> Du
        86
> Jin
        84
```

- > I saved these data in 'score.txt' file. I checked the sort function in
- > IDL online help. The explanation was only for 1 dimensional array, but
- > it was not useful for me. I just made a simple code like this, but it
- > didn't work properly.

>

```
> reconstruction
> pro grade
>
> nm = strarr(10)
> sr = fltarr(10)
> gr = [nm, sr]
> file='score.txt'
> openr, lun, file, /get_lun
> readf, lun, gr
>
> PRINT, 'Scores in sorted order: ', sr[SORT(sr)]
> print, gr, free_lun, lun
> end
> 
> end
> 
> Please let me know what to do. Give me any suggestions. Thanks.
```

Subject: Re: Sorting with IDL... Please give me any suggestions!!! Posted by yp on Thu, 21 Dec 2006 15:28:59 GMT

View Forum Message <> Reply to Message

data=RAED_ASCII(filename, template=template)

You have to learn how to create this template via read_ascii (or use either build_ascii_template or transread routines)

Then sort the 'sr' field and extract the index. x=sort(data.sr) name=data.nm(x) score=data.sr(x)

There are many different ways of reading mixed data types (search this

group	, you	can find	numerous	examples	and a	lso re	ad thi	ough l	David
Fannii	ng's v	vebsite)							

Page 3 of 3 ---- Generated from comp.lang.idl-pvwave archive