
Subject: Cut down a big file into several files based on its a column.

Posted by [kim20026](#) on Wed, 14 Mar 2007 01:22:27 GMT

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Good day, everyone! (I wrote 'Good morning', but maybe it is not morning for others. anyway) I would like to slice a big data file into several files based on its a column, but it was not successful yet. Please give me some suggestions.

The contents of my original data file are...

```
90|2000|1|1|95|95|95|95|95|96|95|95|94|93|93|93|94|94|94|95| 95|93|91|
90|94|95|96|95|
90|2000|1|2|96|95|94|96|93|93|76|74|76|81|85|84|76|53|43|40| 39|41|33|
33|32|32|33|35|
90|2000|1|3|35|34|38|35|29|28|30|29|26|23|25|22|22|30|29|24| 23|24|36|
31|34|39|31|34|
.
.
.
```

This is a 2-dim array, I named this array as 'data(*, *)'.

What I want to do now is to slice this file into 6 files based on the information in 2nd column, (data(1,*)). This column includes year info, and the values are from 2000 to 2006.

I tried this way so far.

```
pro hum_year
; 1. Read original file, and designate the initial values of
variables and arrays.
```

```
file='hum.txt'
ndata=file_lines(file)
data=intarr(28, ndata)
```

```
; 2. Close any unit files before processing.
```

```
close,1
close,2
close,3
close,4
close,5
close,6
```

```
; 3. Open files and prepare for writing.
```

```
openw,1,'HumNWS_2000.txt'
openw,2,'HumNWS_2001.txt'
```

```
openw,3,'HumNWS_2002.txt'  
openw,4,'HumNWS_2003.txt'  
openw,5,'HumNWS_2004.txt'  
openw,6,'HumNWS_2005.txt'
```

; 4. Classify data and write them into designated file.

```
for t=0L,ndata-1 do begin
```

```
  case data[1,t] of  
    2000:printf,1,format='(28i6)',data[*,t]  
    2001:printf,2,format='(28i6)',data[*,t]  
    2002:printf,3,format='(28i6)',data[*,t]  
    2003:printf,4,format='(28i6)',data[*,t]  
    2004:printf,5,format='(28i6)',data[*,t]  
    2005:printf,6,format='(28i6)',data[*,t]  
  endcase
```

```
endfor
```

; 5. Close files.

```
close,1  
close,2  
close,3  
close,4  
close,5  
close,6
```

```
end
```

However, compile stops process 2 everytime. I don't understand. Do I have do something to treat the '|'s in original file? Please give me any suggestions and comments. Thank you in advance.
