
Subject: Re: Help: Countlines on Win 95 version of IDL
Posted by [R. Bauer](#) on Wed, 17 Dec 1997 08:00:00 GMT
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PDW wrote:

> I am converting programs from Unix version of IDL to Windows 95, and have a
> problem with routines using SPAWN and "wc -l" to get the number of lines in
> a file in order to dimension an array. How can this be done on the PC
> version?

Hy Paul,

I have included two of my routines.

filesize uses fstat to get the byte size of the file

This is used by fileline to read the file at once in a byte array.

Then the 10b are counted and returned.

This routines works on win95 and unix.

R.Bauer

```
; $Id: filesize.pro,v 1. 1997/06/13 13:31:13 Rwb ICG-1 $
;
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;+
; NAME:
; filesize
;
; PURPOSE:
; This function founds the bytelength of an ascii file
;
; CATEGORY:
; DATAFILES/FILE
;
; CALLING SEQUENCE:
; Result=filesize(file_name)
;
; INPUTS:
; file_name: the name of an ascii file
;
;
; OUTPUTS:
; This function returns the number of bytes of an ascii file
```

```

;
;
;
; EXAMPLE:
; Result=filesize('test.asc')
;
; MODIFICATION HISTORY:
; Written by: R.Bauer (ICG-1), Oct. 1996
;-

function filesize, filename

;debug,'<filesize> 1.1 RB 1997-Sep-16'

if n_params(0) lt 1 then begin
    help: print, ' Diese Hilfe kommt mit a=filesize().'
    print, '
    print, ' stellt fest wieviele Bytes in einer Datei sind.'
    print, "
    print, 'Example'
    print, "a=filesize('testfile.asc')"
    print, '----- --'
    return, -1
    help_open: print, '(filesize) Das File: ', filename, ' gibt es nicht.'
    return, -1
ENDIF

openr, lun, filename, /get_lun, error=err
if err ne 0 then goto, help_open
stats = fstat(lun)
free_lun, lun

return, stats.size
end

; $Id: fileline.pro,v 1. 1997/06/13 13:31:13 RwB ICG-1 $
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;+
; NAME:
; fileline
;
; PURPOSE:
; This function founds the number of lines of an ascii file

```

```

;
; CATEGORY:
; DATAFILES/FILE
;
;
; CALLING SEQUENCE:
; Result=fileline(file_name)
;
; INPUTS:
; file_name: the name of an ascii file
;
;
; OUTPUTS:
; This function returns the number of lines of an asii file
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; EXAMPLE:
; Result=fileline('test.asc')
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```
function fileline, filename
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;debug,'<fileline> 1.1 RB 1997-Sep-16'
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if n_params(0) lt 1 then begin
  help: print, ' Diese Hilfe kommt mit a=fileline().'
  print, ' '
  print, ' stellt fest wieviele Zeilen in einer ASCII Datei sind.'
  print, "
  print, 'Example'
  print, "a=fileline('testfile.asc')"
  print, '----- --'
  return, -1
  help_open: print, '(fileline) Das File: ', filename, ' gibt es nicht.'
  return, -1
ENDIF

```

```
byt=filesize(filename)
```

```
if byt eq -1 then goto, help_open
```

```
lesefeld=bytarr(byt)
```

```
openr,lun,filename,/get_lun,error=err
if err ne 0 then goto, help_open
readu,lun,lesefeld
close,lun

free_lun,lun
line=where(lesefeld eq 10B,count_line)

return,count_line
END
```

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