
Subject: Re: Skipping Commented Line in File

Posted by [vikramivatury](#) on Thu, 06 Aug 2009 22:13:14 GMT

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On Aug 6, 6:08 pm, Paul van Delst <paul.vande...@noaa.gov> wrote:

> Vikram wrote:
>> Hello,
>
>> I was wondering if there is a way to skip a commented line in a .txt
>> file, for example:
>
>> #Count Time
>> 1 60
>> 2 80
>> 3 100
>
>> I would like to start from the second row data and skip the labels.
>
>> Thanks,
>> Vikram
>
> I can think of several ways, but below is what I use for files that may also include
> embedded blank lines and comments:
>
> FUNCTION Is_A_CommentLine, Line
> RETURN, STRMID(STRTRIM(Line,1),0,1) EQ '#'
> END ; FUNCTION Is_A_CommentLine
>
> FUNCTION Is_A_BankLine, Line
> RETURN, STRLEN(STRTRIM(Line,2)) EQ 0
> END ; FUNCTION Is_A_BankLine
>
> PRO test
> Line = "
> OPENR, fid, 'test.txt', /GET_LUN
> WHILE (NOT EOF(fid)) DO BEGIN
> ; ...Read a line from the file
> READF, fid, Line
> ; ...Cycle loop if this is an embedded comment or blank line
> IF (Is_A_CommentLine(Line) OR Is_A_BankLine(Line)) THEN CONTINUE
> ; Otherwise read the line into variables
> READS, Line, x, y
> PRINT, x, y
> ; Store x and y into array
> ; etc etc
> ENDWHILE
> FREE_LUN, fid
> END

```
>
> Here's my test.txt file:
>
> #<----start of file----->
> #Count Time
>   1      60
>   2      80
>   3     100
>   4      80
>   5     100
>   6     100
> #embedded comment!
>   7      80
>   8     100
>   9     100
>  10      80
>
> # comment surrounded by blank lines!
>
>   11     100
>   12     100
>   13      80
>   14     100
>   15     100
>   16      80
>   17     100
> #<----end of file----->
>
> and here the above test.pro output:
>
> IDL> .run test
> % Compiled module: IS_A_COMMENTLINE.
> % Compiled module: IS_A_BLANKLINE.
> % Compiled module: TEST.
> IDL> test
>    1.00000  60.0000
>    2.00000  80.0000
>    3.00000 100.000
>    4.00000  80.0000
>    5.00000 100.000
>    6.00000 100.000
>    7.00000  80.0000
>    8.00000 100.000
>    9.00000 100.000
>   10.0000  80.0000
>   11.0000 100.000
>   12.0000 100.000
>   13.0000  80.0000
```

```
>    14.0000   100.000
>    15.0000   100.000
>    16.0000   80.0000
>    17.0000   100.000
>
> cheers,
>
> paulv
```

Thanks for your help Paul! I will take at look at this program.

-Vikram
