
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_BlankLine, Line

> RETURN, STRLEN(STRTRIM(Line,2)) EQ 0

> END ; FUNCTION Is_A_BlankLine

>

> 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_BlankLine(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
