
Subject: Re: write widget_table out to file?

Posted by [Juggernaut](#) on Fri, 29 Aug 2008 18:01:18 GMT

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On Aug 29, 12:54 pm, Mike <Michael.Mill...@gmail.com> wrote:

> I'd like to write the contents of a widget_table to a file. Seems
> like something someone else may have already implemented. Do any of
> you have something that your willing to share?
>
> Mike

```
PRO write_csv, array, columnHeader, $  
    FILENAME=filename, $  
    WIDTH=width
```

```
ON_ERROR, 1
```

```
IF n_elements(array) EQ 0 THEN $  
    MESSAGE, 'No Array Passed.', /INFORMATIONAL
```

```
type = size(array, /type)
```

```
IF type EQ 10 THEN BEGIN
```

```
    IF size(array, /n_dimensions) GT 1 THEN $
```

```
        MESSAGE, 'Pointer can only be 1D.', /INFORMATIONAL
```

```
    max_size=intarr(n_elements(array))
```

```
    FOR i = 0, n_elements(array)-1 DO max_size[i]=(size(*array[i]))[1]
```

```
    sData = strarr(n_elements(array), max(max_size))
```

```
    FOR i = 0, max(max_size)-1 DO BEGIN
```

```
        FOR j = 0, n_elements(array)-1 DO BEGIN
```

```
            IF i GT max_size[j]-1 THEN sData[j,i] = " ELSE $
```

```
                sData[j,i]=(*array[j])[i]
```

```
        ENDFOR
```

```
    ENDFOR
```

```
ENDIF
```

```
ndims = size(array, /n_dimensions)
```

```
sz = size(array)
```

```
IF n_elements(columnHeader) NE 0 THEN BEGIN
```

```
    length = n_elements(columnHeader)
```

```
    IF length NE sz[ndims] THEN $
```

```
        MESSAGE, 'Column Header Vector Incorrect Size.', /INFORMATIONAL
```

```
ENDIF
```

```
IF n_elements(filename) EQ 0 THEN $
```

```
    filename=dialog_pickfile(/WRITE, file='yourdata.csv')
```

```
IF filename EQ " THEN RETURN
```

```
IF n_elements(width) EQ 0 THEN width=1600
```

```
IF type EQ 10 THEN xsize=n_elements(array) ELSE xsize=sz[ndims-1]
```

```
OPENW, lun, filename, /get_lun, width=width
```

```
IF n_elements(columnHeaders) NE 0 THEN BEGIN
  sColumns = strtrim(columnHeaders,2)
  sColumns[0:xsize-2] = sColumns[0:xsize-2] + ','
  PRINTF, lun, sColumns
ENDIF
```

```
IF type NE 10 THEN sData = strtrim(array,2)
```

```
sData[0:xsize-2,*] = sData[0:xsize-2,*] + ','
PRINTF, lun, sData
CLOSE, lun
FREE_LUN, lun
END
```
