
Subject: Re: converting int array to a string
Posted by [Chad Bahrmann](#) on Wed, 21 Nov 2001 05:32:06 GMT
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Thanks for the headstart...I believe I have something that works....

The function I have written below gives:

```
IDL> x=[1,2,3,5,6,7,9,45,46,47,48,49,50,51,56,59]
```

```
IDL> print, time2str(x)
```

```
% Compiled module: TIME2STR.
```

```
1-3,5-7,9,45-51,56,59
```

```
function time2str, x
dx=(x-shift(x,1))[1:*]
l=where(dx ne 1)
times=""
nl=n_elements(l)
nx=n_elements(x)
if l[0] eq -1 then times='0-59' else begin
  if l[0] eq 0 then times=strtrim(string(x[0]),2)+' ','
  if l[0] ne 0 then
times=strtrim(string(x[0]),2)+'-'+strtrim(string(x[l[0]]),2) +','
  for i=0, nl-2 do begin
    if ((l[i+1]-l[i]) gt 1) then begin
      times=times+strtrim(x[l[i]+1],2)+'-'+strtrim(x[l[i+1]],2)+' ','
    endif else begin
      times=times+strtrim(x[l[i+1]],2)+' ','
    endelse
  endfor
  if (nx-1)-l[(nl-1)] eq 1 then times=times+strtrim(string(x[nx-1]),2) else
$
  times=times+strtrim(x[(l[(nl-1))+1],2)+'-'+strtrim(string(x[n x-1]),2)
endelse
return, times
END
```

"Chad Bahrmann" <cbahrmann@ou.edu> wrote in message
news:v8CK7.6670\$04.14684@news.ou.edu...

> Is there an easy way to convert the following:

>

> x=[1,2,3,4,5,17,45,46,47,48,49,50,51,59]

> where x is minutes in an hour for example

>

> to a string like:

>

> minutes='1-5,17,45-51,59'

>

> Thanks in advance,

>

> Chad Bahrmann

>

>
