
Subject: Re: BINARY FILES

Posted by [Martin Schultz](#) on Fri, 13 Oct 2000 07:00:00 GMT

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David Fanning wrote:

>
> mohamed nur (mohamed_nur@my-deja.com) writes:
>
>> I've been dealing with binary files and every case i had to know before
>> hand the dimensions of the array to setup an IDL variable of the said
>> dimesions and read the unformatted data into.
>>
>> But is it possible or is there a method (in IDL 5.2/5.3) to read it in
>> with no knowledge of the dimensions of the array.
>
> A free Second Edition IDL Programming Techniques book
> to the first person who can find the simple word I
> embedded in this binary sequence:
>
> 0 1 1 0 1 0 0 0 0 0 0 0 0 0 1 1 0 0 1
> 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 1 0 0 0
> 0 0 0 0 0 0 0 0 0 1 1 1 0 1 1 0 0 0 0 0
> 0 0 0 0 0 1 1 0 1 0 0 1 0 0 0 0 0 0 0
> 0 0 1 1 0 0 1 0 0 1 0 1 0 0 0 1 0 1 1
> 0 0 0 0 1 0 0 0 1 1 0 1 1 0 0 0 0 1 0
>
> Cheers,
>
> David
>
> P.S. Let's just say this is a *much* easier problem
> than the one you propose. :-)
>
> --
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Hmmmm, David: please count the digits next time -- these truely don't
mnaake sense.

Yet, I tried - first padding the string with a few more zero's.

First step:

copy the text into a string (mouse)

```
IDL> a='0 1 1 0 1 0 0 0 0 0 0 0 0 0 1 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1  
1 0 0 1 0 0 0 ...'
```

Then:

```
a=strcompress(a,/remove_all)3
print,strlen(a)
; 114 (which divided by 8 is 14.25)
a=a+'000000'
b=bytarr(8,15)
reads,a,b,format='(120a1)'
value=lonarr(15)
for i=0,14 do
value =long(b[0,i])+2*(b[1,i]+2*(b[2,i]+2*(b[3,i]+2*(b[4,i]+2*(b[5 ,i]+2*(b[6,i]+2*b[7,i]))))))
print,string(byte(value))
```

; (doesn't make sense, though ...)

Cheers,
Martin

--

```
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```
