
Subject: Re: Conversion from binary string to 16bit integer

Posted by [sjwelch](#) on Mon, 15 Oct 2007 08:55:33 GMT

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Long time reader, first time poster. Greetings to all.

assuming you have a 16 character, left '0' padded string, strbin

number = total((byte(strbin) - 48b) * (2L ^ reverse(bindgen(16))))

that's what IDL does best ;) sure there's a simpler way too...

On Oct 14, 8:21 pm, Tal <t...@bar-kal.com> wrote:

> Hi guys,

>

> Great help with this int2bin code from 2005

(1993):http://groups.google.com/group/comp.lang.idl-pvwave/browse_thread/thr...

>

> Has anyone wrote an inverse code like bin2int or something equivalent?

> It would be generally to sum up all products of 2ⁱ values with the

> corresponding 1's and 0's that a binary string has. (i=0,15 or 0,7 for

> example).

>

> The solution i'm looking for is for a 16bit binary string.

>

> Cheers,

> Tal

Subject: Re: Conversion from binary string to 16bit integer

Posted by [Spon](#) on Mon, 15 Oct 2007 11:44:09 GMT

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On Oct 15, 9:55 am, sjwelch <samjwe...@gmail.com> wrote:

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>> Cheers,
>> Tal

Hi

I may be barking completely up the wrong tree, but is this what you want?

```
Arr = BYTE (BinaryString) - 48  
Els = N_ELEMENTS (Arr)
```

```
Result = TOTAL (2^ LINDGEN (Els) * Arr )
```

all the best
Chris

Subject: Re: Conversion from binary string to 16bit integer
Posted by [JD Smith](#) on Mon, 15 Oct 2007 22:47:01 GMT
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On Sun, 14 Oct 2007 02:21:49 -0700, Tal wrote:

> Hi guys,
>
> Great help with this int2bin code from 2005 (1993):
> http://groups.google.com/group/comp.lang.idl-pvwave/browse_thread/thread/61b692e9e403ef59/bdc5ce69d034eb17?hl=en&lnk=gst&q=int2bin
>
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> example).
>
> The solution i'm looking for is for a 16bit binary string.

```
int=0L & reads,'1100110',FORMAT='(B)',int  
print,int
```

I don't know how int2bin works, but it could work using string itself:

```
bin=string(int,FORMAT='(B0)')
```

JD

Subject: Re: Conversion from binary string to 16bit integer

Posted by [Tal](#) on Tue, 16 Oct 2007 08:01:52 GMT

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Hi again,

Thanks for all these replies.
problem solved.

cheers
