

Re: hex representation from string in perl

Source: <http://coding.derkeiler.com/Archive/Perl/comp.lang.perl.misc/2005-09/msg00368.html>

- *From:* Jim Gibson <jgibson@xxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Tue, 06 Sep 2005 12:09:17 -0700
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In article <1126029907.731527.198410@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>, <"archilleswaterland@xxxxxxxxxx"> wrote:

```
> hi,
>
> I am sorry. I tried reading the FAQ, too cryptic. I am not writing here
> out of laziness and wanting a direct answer.
> It is out of frustration and wanting to learn. I looked at a lot of
> documentation – pack, unpack, int, hex ... perldoc -f ...
>
> #!/usr/bin/perl -w
>
> use strict;
>
>
> my @file;
> my $v;
> my $i;
>
> open(FILE,"< values") or die "cannot open file for reading: $!";
> @file = <FILE>;
> close (FILE) or die "an error occured while trying to close the file:
> $!";
> print ("@file");
> print ("\n");
>
> foreach $v (@file){
>   chomp($v);
>   printf ("%0.4x ",$v);
> }
>
> it shoudn't be hard at all write, I am reading in a string/variable
> 1111 and I want to print out f
> this still doesn't work : (
>
```

What about the following is cryptic?

<faq>

Re: hex representation from string in perl

How do I convert from binary to decimal

Perl 5.6 lets you write binary numbers directly with the 0b notation:

```
number = 0b10110110;
```

Using oct:

```
my $input = "10110110";  
$decimal = oct( "0b$input" );
```

Using pack and ord:

```
$decimal = ord(pack('B8', '10110110'));
```

</faq>

What was wrong with the suggestion John gave you?

Your program isn't working because you are not converting the strings of 0s and 1s to a binary number, therefore, they are being treated as decimal numbers.

Here is a slightly expanded form of John's suggestion using the convenient DATA file handle:

```
#!/usr/local/bin/perl  
#  
use warnings;  
use strict;  
  
while(<DATA>) {  
  chomp;  
  my $val = oct "0b$_";  
  printf "%s = %x\n", $_, $val;  
}  
__DATA__  
1111  
1100  
1001
```

See if you can get that to work.

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- *Follow-Ups:*

- ◆ *Re: hex representation from string in perl*

- ◆ *From:* Paul Lalli

- *References:*

- ◆ *hex representation from string in perl*

- ◆ *From:* archilleswaterland@xxxxxxxxxxxx

- ◆ *Re: hex representation from string in perl*

- ◆ *From:* John W. Krahn

- ◆ *Re: hex representation from string in perl*

- ◆ *From:* archilleswaterland@xxxxxxxxxxxx

- Prev by Date: *Looking for best solution – FastCGI, ODBC, FreeTDS, MSSQL*

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