
Subject: Re: assign an octal number to a variable
Posted by [David Fanning](#) on Mon, 13 Oct 2008 23:09:19 GMT
[View Forum Message](#) <> [Reply to Message](#)

duxiyu@gmail.com writes:

- > I found a method to assign an octal number to a variable.
- >
- > For example,
- > a="30
- > print,a
- > It seems that the double quotation mark before the number can indicate
- > this number is octal value.
- > But I do not find its detailed directions in IDL help.
- >
- > In the similar way, which symbol can indicate the binary and
- > hexadecimal number?

I hate to mention it, but I spent quite a bit of time putting
a search engine on Coyote's Guide to IDL Programming for just
this purpose. :-)

http://www.dfanning.com/misc_tips/binary_hex.html

If you want to see where octal (and hexadecimal) numbers
are defined, something like "octal" in the on-line help
index works pretty well.

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: assign an octal number to a variable
Posted by duxiyu@gmail.com on Tue, 14 Oct 2008 07:53:46 GMT
[View Forum Message](#) <> [Reply to Message](#)

The function in the page is designed to express a decimal number in a
binary or hexadecimal representation.
However, the function I want is to assign a binary or hexadecimal
number to a variable.

For example, the expression (A="30) means that assign the octal number 30 to A.

If you print it in the decimal representation, it will give the result 24.

I am looking for the method to assign a binary or hexadecimal number (such as 1101011 or 8AE3) to a variable.

Best regards,
Du

On Oct 14, 1:09 am, David Fanning <n...@dfanning.com> wrote:

> dux...@gmail.com writes:

>> I found a method to assign an octal number to a variable.

>

>> For example,

>> a="30

>> print,a

>> It seems that the double quotation mark before the number can indicate this number is octal value.

>> But I do not find its detailed directions in IDL help.

>

>> In the similar way, which symbol can indicate the binary and hexadecimal number?

>

> I hate to mention it, but I spent quite a bit of time putting a search engine on Coyote's Guide to IDL Programming for just this purpose. :-)

>

> http://www.dfanning.com/misc_tips/binary_hex.html

>

> If you want to see where octal (and hexadecimal) numbers are defined, something like "octal" in the on-line help index works pretty well.

>

> Cheers,

>

> David

>

> --

> David Fanning, Ph.D.

> Fanning Software Consulting, Inc.

> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>

> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: assign an octal number to a variable
Posted by [Michael Galloy](#) on Tue, 14 Oct 2008 15:29:42 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Oct 14, 1:53 am, "dux...@gmail.com" <dux...@gmail.com> wrote:
> I am looking for the method to assign a binary or hexadecimal number
> (such as 1101011 or 8AE3) to a variable.

```
IDL> print, 'FF'x
      255
IDL> print, '100'b
      4
IDL> print, '77'o
      63
```

Mike

--

www.michaelgalloy.com
Tech-X Corporation
Software Developer II
