
Subject: Re: Assembly - Convert 16 bit integer to ascii help please

Posted by [rusure](#) on Sun, 13 Jan 2013 02:14:39 GMT

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On Saturday, January 12, 2013 8:56:32 AM UTC-7, JB wrote:

> I am looking for a routine to convert a 16 bit integer into ascii (text)

>

>

>

> ex. convert \$C000 (49152) to the characters "49152" stored in a memory address.

>

> Ideally I would like to have a routine that you can pass an option to either print leading 0's or strip them. But first things first I guess. :)

A C64 systems routine at \$bdcd prints the decimal equivalent of a two byte integer. Here is how to use that code:

```
lda $#0d
jsr $ffd2
```

```
lda #c0
ldx #00
jsr $bdcd
rts
```

for the C128, substitute \$8e32 at bank 15 for \$bdcd. I've never had to do it but I'm sure that buried in the routine at \$bdcd is a routine for converting 4 nibble hexadecimal to decimal text digits. I think the routines suppresses leading zeroes.
