Re: converting single to integer

Source:
http://www.tech−archive.net/Archive/VB/microsoft.public.vb.general.discussion/2007−09/msg01152.html

- *From*: David Kerber <ns_dkerber@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
- *Date*: Wed, 19 Sep 2007 08:25:48 −0400

In article <fcop1jbin2@xxxxxxxx>, none@xxxxxxx says...

> David Kerber wrote:
>
> > In article <OitxKgW#HHA.980@xxxxxxxxxxxxxxxxxxxx>,
> > rickNOSPAMnews@xxxxxxxxxxxxxxxxx says...
>
> ...
>
> > > What is the difference between storing a Single in an Integer
> > > and "casting"
> > > a Single to an Integer... isn't the end result the same... an
> > > Integer?
>
> > They're both integers, but have different values.
>
> If by "different value" you mean a differing internal representation for
> the same numerical value...

Are you sure about that? I don't know the internal representation of
the various types of numbers, but if you take the bit pattern:

00011010 11100001 00001111 10101010

and interpret it as a Single (assuming it represents a valid Single), I
sincerely doubt it would return the same value as that bit pattern
interpreted as an Integer, which is what you are doing when you use
memcopy to copy from a single to an integer. Or am I completely
misintrepreting the line of this discussion? If you use a Cast, then
you will get the same value, but a different internal bit pattern.

−−
Remove the ns_ from if replying by e−mail (but keep posts in the
newsgroups if possible).

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