Subject: Re: rounding numbers
Posted by Phillip Bitzer on Wed, 23 Jan 2013 22:02:42 GMT

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Since those are the same numbers, I'm not sure when to round up or round down. But I would try something like this:

num = 61825
base = 1000

diff = num MOD base

IF roundUp THEN roundedNum = num + base - diff
IF roundDown THEN roundedNum = num - diff

There are other ways to do it of course, but this would work.

Subject: Re: rounding numbers
Posted by David Fanning on Wed, 23 Jan 2013 22:03:54 GMT

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justinclouds writes:

>
> I would like to be able to round up number of seconds since midnight as follows:
>
> round down 61825 to 61000
> round up 61825 to 62000
>
> Is there an IDL function that does this and what is the syntax?

IDL> Print, Floor(Float(61825) / 10^3) * 10^3
    61000
IDL> Print, Ceil(Float(61825) / 10^3) * 10^3
    62000

Cheers,

David

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

Subject: Re: rounding numbers
Posted by justinclouds on Wed, 23 Jan 2013 22:29:52 GMT
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On Wednesday, January 23, 2013 3:03:54 PM UTC-7, David Fanning wrote:
> justinclouds writes:
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>>
>
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>
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>   61000
>
> IDL> Print, Ceil(Float(61825) / 10^3) * 10^3
>
>   62000
>
>
>
> Cheers,
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>
> David
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>
> --
>
> David Fanning, Ph.D.
>
> Fanning Software Consulting, Inc.
>

> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
>
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Thank you. This has been very helpful.