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Subject: Re: Newbie math trouble

Posted by [Wox](#) on Mon, 29 Sep 2008 10:51:15 GMT

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On Mon, 29 Sep 2008 00:39:10 -0700 (PDT), Gaurav

<[selfishgaurav@gmail.com](mailto:selfishgaurav@gmail.com)> wrote:

> Dear all,

> I am having trouble comparing floating point numbers. I seem to have

> seen it solved somewhere in IDL help but I am not able to locate it

> today. The following simple snippet illustrates the trouble:

>

> ;#####

> bottom\_value = 327.3 ; usually a user input

> interval = 0.3

> start\_value = ceil(bottom\_value/interval) \* interval

> ;start value will contain the smallest number > bottom\_value that is

> divisible by interval

>

> print, bottom\_value, start\_value

> if bottom\_value ne start\_value then print, 'All is not well'

> ;#####

>

> this code gives me the output:

> 327.300, 327.300

> All is not well

>

> Clearly all is not well. I believe IDL is trying to compare Double

> values instead of Float values. How do I overcome this. Any insight

> would be highly appreciated.

>

> Gaurav

[http://www.dfanning.com/code\\_tips/comparearray.html](http://www.dfanning.com/code_tips/comparearray.html)

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