
Subject: Re: round not behaving

Posted by [Robert Moss](#) on Thu, 27 Oct 2005 21:40:41 GMT

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psbeeps@hotmail.com wrote:

> I am trying to round to the nearest tenth, and it works most of the
> time. It doesn't work if the value is 5.05 or 5.55, which get rounded
> to 5.0 and 5.5, respectively, instead of 5.1 and 5.6. When I type it
> into the command line, it works as expected, but not when I run the
> entire program.

>

> Here is the code (which I have divided into steps to see where it's
> going wrong--it still doesn't work if I do the same thing in one line
> of code):

>

> ;** Round off the value.

> help, value

> print, value

> temp = value * 10.0

> help, temp

> print, temp

> rounded_value = ROUND(temp)

> help, rounded_value

> print, rounded_value

> value = rounded_value/10.0

> help, value

> print, value

>

> Here is the output:

> VALUE FLOAT = 5.05000

> 5.05000

> TEMP FLOAT = 50.5000

> 50.5000

> ROUNDED_VALUE LONG = 50

> 50

> VALUE FLOAT = 5.00000

> 5.00000

>

> Why does it not round properly?

>

> Jill

>

If it works at the command line (which this code does), but it does not work in a program, you are probably looking in the wrong place for the error. In other words, the error is not in the lines above, but probably somewhere after that (assuming that the lines above tell the whole story). Post the actual problem code and we can probably help you.

--
Robert Moss, PhD
