Subject: round not behaving
Posted by psbeps on Thu, 27 Oct 2005 19:43:51 GMT
View Forum Message <> Reply to Message

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