
Subject: Re: machine precision

Posted by [Kenneth P. Bowman](#) on Tue, 19 May 2009 18:15:56 GMT

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In article

<6c259101-aa56-4964-b01f-cd1c96bdcfc3@m24g2000vbp.googlegroups.com>,
"Jeff N." <jeffnettles4870@gmail.com> wrote:

```
> $i = int(4.70*100);  
> print "$i\n";  
>  
> prints 470 whereas the equivalent IDL code: print, fix(4.70*100)  
> prints 469.
```

Have you looked to see exactly what the perl fix function does?
Perhaps it rounds.

In IDL you might want to try ROUND, CEIL, or FLOOR, depending
on exactly what you are trying to accomplish.

People often use LONG when what they really want is ROUND.

Ken Bowman
