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Subject: Re: round to x number of decimals within floating point value?

Posted by [Craig Markwardt](#) on Wed, 23 Dec 2015 15:57:48 GMT

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On Tuesday, December 22, 2015 at 4:17:06 PM UTC-5, omar ali wrote:

>> I need to round the values within a file to three decimal places. For

>> example, 0.00053335 would become 0.001.

>> I also have many NaNs within the file.

>>

>> Any suggestions?

>>

>> Thanks!

>

> Hi there,

> I have gone through the messages and i wonder there is a solution to conver 0.00053335 to 0.001. Indeed, i have a number (0.2345678)and i want it to be with 2 digits after the decimal

David's solution from four years ago is still a good one...

```
IDL> a = 0.2345678d
```

```
IDL> print, round(a*100)/100.0d
```

```
0.23000000
```

Or if you just care about the printed version,

```
IDL> print, a, format='(D0.2)'
```

```
0.23
```

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