
Subject: IDL Beginner exercise help
Posted by [smnadoum](#) on Tue, 11 Oct 2016 02:49:47 GMT
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Hi,

I am an IDL beginner. This is my first assignment, but I am stuck. Anyone can help?

- 1) Create a variable containing your first and last name. Then name the variable A.
- 2) output the content of variable A.
- 3) what kind of variable is A?

Thanks

Subject: Re: IDL Beginner exercise help
Posted by [Markus Schmassmann](#) on Tue, 11 Oct 2016 09:42:52 GMT
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On 10/11/2016 04:49 AM, Cheryl wrote:

> I am an IDL beginner. This is my first assignment, but I am stuck. Anyone can help?
>

- > 1) Create a variable containing your first and last name. Then name the variable A.
> 2) output the content of variable A.
> 3) what kind of variable is A?

IDL> A='Cheryl Smnadoum'

IDL> print, A

Cheryl Smnadoum

IDL> help, A

A STRING = 'Cheryl Smnadoum'

IDL> size(A,/tname)

STRING

Subject: Re: IDL Beginner exercise help
Posted by [smnadoum](#) on Tue, 11 Oct 2016 23:09:01 GMT
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On Tuesday, October 11, 2016 at 2:43:02 AM UTC-7, Markus Schmassmann wrote:

> On 10/11/2016 04:49 AM, Cheryl wrote:

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>>

- >> 1) Create a variable containing your first and last name. Then name the variable A.
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> IDL> A='Cheryl Smnadoum'

> IDL> print, A

```
> Cheryl Smnadoum
> IDL> help, A
> A          STRING  = 'Cheryl Smnadoum'
> IDL> size(A,/tname)
> STRING
```

Thank you very much.

Subject: Re: IDL Beginner exercise help
Posted by [smnadoum](#) on Wed, 12 Oct 2016 00:00:31 GMT
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On Tuesday, October 11, 2016 at 2:43:02 AM UTC-7, Markus Schmassmann wrote:
> On 10/11/2016 04:49 AM, Cheryl wrote:
>> I am an IDL beginner. This is my first assignment, but I am stuck. Anyone can help?
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> IDL> A='Cheryl Smnadoum'
> IDL> print, A
> Cheryl Smnadoum
> IDL> help, A
> A STRING = 'Cheryl Smnadoum'
> IDL> size(A,/tname)
> STRING

Can I ask you one more question:)?

How to create a 4 by 3 integer array that counts from 10 to 21?
C= INTARR(4,3) ; this is an integer array of two dimensions
but how do I write it with [10:21]?

Thank you

Subject: Re: IDL Beginner exercise help
Posted by [wlandsman](#) on Wed, 12 Oct 2016 01:12:37 GMT
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One way is
IDL> a = reform([10:21], 4,3)

where REFORM reshapes your 12 element vector into a 4 x 3 array.

On Tuesday, October 11, 2016 at 8:00:33 PM UTC-4, Cheryl wrote:

>
> Can I ask you one more question:)?
>
> How to create a 4 by 3 integer array that counts from 10 to 21?
> C= INTARR(4,3) ; this is an integer array of two dimensions
> but how do I write it with [10:21]?
>
> Thank you

Subject: Re: IDL Beginner exercise help
Posted by [Yngvar Larsen](#) on Wed, 12 Oct 2016 07:35:15 GMT
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Or

```
IDL> indgen(4,3, start=10)
   10   11   12   13
   14   15   16   17
   18   19   20   21
```

which strictly speaking does not answer the specific question by not using [10:21], but has the same answer :)

PS: since OP is a beginner, I might point out that it is in general not a good idea to work with INTARR/INDGEN since the 16-bit integers these create, quickly will bite you with overflow problems. LONARR/LINDGEN (32-bit integers) should be a better default choice unless you are 100% certain that your data and the operations applied on them will fit in the interval [-32768,32767].

On Wednesday, 12 October 2016 03:13:01 UTC+2, wlandsman wrote:

> One way is
> IDL> a = reform([10:21], 4,3)
>
> where REFORM reshapes your 12 element vector into a 4 x 3 array.
>
> On Tuesday, October 11, 2016 at 8:00:33 PM UTC-4, Cheryl wrote:
>
>>
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