
Subject: Re: use of loops in IDL for hashtable

Posted by [Wout De Nolf](#) on Mon, 07 Sep 2009 08:08:11 GMT

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On Sun, 6 Sep 2009 19:01:06 -0700 (PDT), "b.a" <u4565723@anu.edu.au> wrote:

> Hi,
>
> I have 2 hashtables in my IDL program. one is called fileList which
> has (id , data) as its (key, value) and second one is colorList
> (id , color). I want to define a "foreach" loop so that for each id
> of colorList which exists in fileList, it plots the data with the
> "color". I mean for each string "id" get the "data" from fileList and
> get the "color" from colorList and plot the data in that colour.
>
> Can anybody help me with this please.
>
> Thank you

Are you using Craig Markwardt's hash table object? This object has a method "KEYS" which returns all existing keys in a hash table, so you can loop over all keys in colorList (or fileList), use "ISCONTAINED" to check whether the key is in fileList (or colorList) and do your plotting when it is (employing the Get method to get data and color).

Subject: Re: use of loops in IDL for hashtable

Posted by [b.a](#) on Tue, 08 Sep 2009 02:16:39 GMT

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On Sep 7, 6:08 pm, Wox <s...@nomail.com> wrote:

> On Sun, 6 Sep 2009 19:01:06 -0700 (PDT), "b.a" <u4565...@anu.edu.au>
> wrote:
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> to check whether the key is in fileList (or colorList) and do your
> plotting when it is (employing the Get method to get data and color).

Thanks for your reply.

Yes, I am using Craig Markwardt's hash table object. The problem with using KEY() is that the keys are not like {1, 2, 3, 4, ...} that I can loop over them. they are like {76, 65, 90, 2, 503, ...}. and I don't know the largest key. I have to say for i=0 till some number, go i+1 and if i+1 is contained in the keys, return its value and rest of the things. but I can't specify that "some number". So I think I have to use "for each" loop. But I don't know the syntax for it in my case.

Cheers

Subject: Re: use of loops in IDL for hashtable
Posted by [penteado](#) on Tue, 08 Sep 2009 02:36:25 GMT
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On Sep 7, 11:16 pm, "b.a" <u4565...@anu.edu.au> wrote:

> On Sep 7, 6:08 pm, Wox <s...@nomail.com> wrote:

>

>

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>> On Sun, 6 Sep 2009 19:01:06 -0700 (PDT), "b.a" <u4565...@anu.edu.au>

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> things. but I can't specify that "some number". So I think I have to
> use "for each" loop. But I don't know the syntax for it in my case.

KEYS() returns an array of key names. So you loop over the elements of
this array. Something like:

```
colorkeys=colorList->keys()
for i=0,n_elements(colorkeys)-1 do if fileList->iscontained(colorkeys
[i]) then *do stuff*
```

Subject: Re: use of loops in IDL for hashtable
Posted by [b.a](#) on Tue, 08 Sep 2009 03:35:29 GMT
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On Sep 8, 12:36 pm, pp <pp.pente...@gmail.com> wrote:
> On Sep 7, 11:16 pm, "b.a" <u4565...@anu.edu.au> wrote:
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>
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>
>
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> this array. Something like:
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> colorkeys=colorList->keys()
> for i=0,n_elements(colorkeys)-1 do if fileList->iscontained(colorkeys
> [i]) then *do stuff*- Hide quoted text -
>
> - Show quoted text -
```

Thanks a lot!
