
Subject: Re: sort arrays based on names

Posted by [d.poreh](#) on Thu, 17 Jun 2010 06:54:37 GMT

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On Jun 16, 3:30 pm, Hassan <hkhav...@gmail.com> wrote:

> Hi,
> I have five arrays (ns=10,nl=20) with the following names:
> c:\test\red1.img
> c:\test\red10.img
> c:\test\red2.img
> c:\test\red11.img
> c:\test\red3.img
> I want to make a new file which contains all files but in order like:
> new_array=(10,20,5)
> (following expression just show that I want to have the first image in
> the first layer of my new array)
> new_array(*,*,0)=c:\test\red1.img
> new_array(*,*,1)=c:\test\red2.img
> new_array(*,*,2)=c:\test\red3.img
> new_array(*,*,3)=c:\test\red10.img
> new_array(*,*,4)=c:\test\red11.img
>
> Any help please?

```
big=make_array(10,20,5)
big[*,*,0]=red1
big[*,*,1]=red2
big[*,*,2]=red3
.....
```

Subject: Re: sort arrays based on names

Posted by [Hassan](#) on Thu, 17 Jun 2010 08:24:58 GMT

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actually I have many arrays nearly 100 that I want to put them in one big array in order based on the name and wanted to know if there is a simple way to do it.

Subject: Re: sort arrays based on names

Posted by [Hassan](#) on Thu, 17 Jun 2010 08:41:47 GMT

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I wonder how I can sort a vector of names (which include letters, numbers, slash,...)?

Subject: Re: sort arrays based on names
Posted by [penteado](#) on Thu, 17 Jun 2010 11:43:19 GMT
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On Jun 17, 5:41 am, Hassan <hkhav...@gmail.com> wrote:
> I wonder how I can sort a vector of names (which include letters,
> numbers, slash,...)?

Same as numbers, with sort.

Subject: Re: sort arrays based on names
Posted by [penteado](#) on Thu, 17 Jun 2010 11:52:47 GMT
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On Jun 17, 5:24 am, Hassan <hkhav...@gmail.com> wrote:
> actually I have many arrays nearly 100 that I want to put them in one
> big array in order based on the name and wanted to know if there is a
> simple way to do it.

You should not have so many arrays to begin with. Whatever was put
into them should have gone into the single array at the beginning.
That is what multidimensional arrays and arrays of pointers are for.

Subject: Re: sort arrays based on names
Posted by [Hassan](#) on Thu, 17 Jun 2010 19:39:51 GMT
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when I use Sort() it returns me integer values instead of sorting
strings.

Subject: Re: sort arrays based on names
Posted by [penteado](#) on Thu, 17 Jun 2010 20:04:26 GMT
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On Jun 17, 4:39 pm, Hassan <hkhav...@gmail.com> wrote:
> when I use Sort() it returns me integer values instead of sorting
> strings.

sort() gives the indexes of the elements in the order that would make
the array sorted. That is:

s=sort(a) ;Finds the sort order for array a
b=a[s] ;b is a sorted

Subject: Re: sort arrays based on names
Posted by [Hassan](#) on Fri, 18 Jun 2010 11:58:25 GMT
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thanks a lot.
