
Subject: Re: Splitting An Array Of Strings Without Using Loops

Posted by [mchinand](#) on Fri, 25 Jul 2003 05:04:07 GMT

[View Forum Message](#) <> [Reply to Message](#)

In article <e5624c04.0307240935.7234e53@posting.google.com>,

Darrick White <darrick.white@med.ge.com> wrote:

> This is probably simple, but I'm having a time trying to figure it
> out. I want to be able to split an array of strings without using
> loops.

>

> Example:

> dataPoints is an array of strings with N elements

> The format of each element within dataPoints is "x:y1:y2:y3:yn". More
> than likely, the data will be in the format of x:y".

>

> This array will become data points (the first element is always
> considered the x coordinate): (x,y) = 1,23. In case of multiple
> points (2:21:34:54), the data will look like: (2,21), (2,34), (2,54).

>

> I need a way to take:

> dataPoints[0] = 1:23

> dataPoints[1] = 2:32

> dataPoints[2] = 3:30

> dataPoints[3] = 4:45

>

>

> and create

> points[2,4]

> 1 23

> 2 32

> 3 30

> 4 45

>

> -Darrick

For the simpler case of just 'x:y' pairs the following show work:

```
IDL> data=['1:23','2:32','3:30','4:45']
```

put it into one big string

```
IDL> datajoin=strjoin(data,':')
```

```
IDL> print, datajoin
```

```
1:23:2:32:3:30:4:45
```

Then split it up and reform it into a two by four array

```
IDL> dataint=reform(fix(strsplit(datajoin,':',/extract)),2,4)
```

```
IDL> print, dataint
```

1	23
2	32
3	30
4	45

Hope that helps,

--Mike

--

Michael Chinander
m-chinander@uchicago.edu
Department of Radiology
University of Chicago
