

---

Subject: Re: function to convert string to array???

Posted by [zawodny](#) on Thu, 30 Mar 1995 08:00:00 GMT

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

---

In article <3lek18\$pm0@reznor.larc.nasa.gov> [zawodny@arbd0.larc.nasa.gov](#) (Joseph M Zawodny) writes:

> In article <1995Mar29.192708.17563@alw.nih.gov> [cox <cox@colt.cpi.com>](#) writes:

>

>> Here is my routine which converts a string of space or comma-delimited

>> items into a string array.

>

> Just do this:

>

> READS,input\_string,numbers

>

> Where numbers is an array (intarr(10), or fltarr(12), or whatever)

> or a structure a={f1: 0, f2: 0.0, f3: bytarr(100), ... }

>

I was not sure about the use of a structure in the READS call,  
but the following example illustrates my point more completely.

```
IDL> s='12, 24 36 3.456 2 3 4 5, 6,7'
```

```
;           ^ there is a tab in this string here
```

```
IDL> a={f1:0, f2:0, f3:0L, f4:0., f5:intarr(6)}
```

```
IDL> help,/str,a
```

```
** Structure <4009be08>, 5 tags, length=24, refs=1:
```

|    |       |          |
|----|-------|----------|
| F1 | INT   | 0        |
| F2 | INT   | 0        |
| F3 | LONG  | 0        |
| F4 | FLOAT | 0.00000  |
| F5 | INT   | Array(6) |

```
IDL> reads,s,a
```

```
IDL> help,/str,a
```

```
** Structure <4009be08>, 5 tags, length=24, refs=1:
```

|    |       |          |
|----|-------|----------|
| F1 | INT   | 12       |
| F2 | INT   | 24       |
| F3 | LONG  | 36       |
| F4 | FLOAT | 3.45600  |
| F5 | INT   | Array(6) |

```
IDL> print,a.f5
```

2 3 4 5 6 7

Have fun,

--

Joseph M. Zawodny (KO4LW) NASA Langley Research Center  
Internet: j.m.zawodny@larc.nasa.gov MS-475, Hampton VA, 23681-0001  
TCP/IP: ko4lw@ko4lw.ampr.org Packet: ko4lw@n4hog.va.usa.na

---