



AHELP for CIAO 3.4

strtok

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Synopsis

Extract tokens from a string

Syntax

```
String_Type[] strtok (String_Type str [,String_Type white])
```

Description

strtok breaks the string str into a series of tokens and returns them as an array of strings. If the second parameter white is present, then it specifies the set of characters that are to be regarded as whitespace when extracting the tokens, and may consist of the whitespace characters or a range of such characters. If the first character of white is '^', then the whitespace characters consist of all characters except those in white. For example, if white is "\t\n,;", then those characters specify the whitespace characters. However, if white is given by "^a-zA-Z0-9_", then any character is a whitespace character except those in the ranges a-z, A-Z, 0-9, and the underscore character.

If the second parameter is not present, then it defaults to "\t\r\n\f".

Example

The following example may be used to count the words in a text file:

```
define count_words (file)
{
  variable fp, line, count;

  fp = fopen (file, "r");
  if (fp == NULL) return -1;

  count = 0;
  while (-1 != fgets (&line, fp))
  {
    line = strtok (line, "^a-zA-Z");
    count += length (line);
  }
}
```

```
    }  
    () = fclose (fp);  
    return count;  
}
```

See Also

slangrit

[create delimited string](#), [extract element](#), [is list element](#), [strchop](#), [strchopr](#), [strcompress](#), [strjoin](#), [strtrim](#), [strtrim beg](#), [strtrim end](#)

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URL:
<http://cxc.harvard.edu/ciao3.4/strtok.tm.html>
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