



AHELP for CIAO 3.4

fgets

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Synopsis

Read a line from a file.

Syntax

```
Integer_Type fgets (SLang_Ref_Type ref, File_Type fp)
```

Description

fgets reads a line from the open file specified by fp and places the characters in the variable whose reference is specified by ref. It returns -1 if fp is not associated with an open file or an attempt was made to read at the end of the file; otherwise, it returns the number of characters read.

Example

The following example returns the lines of a file via a linked list:

```
define read_file (file)
{
  variable buf, fp, root, tail;
  variable list_type = struct { text, next };

  root = NULL;

  fp = fopen(file, "r");
  if (fp == NULL)
    error("fopen %s failed." file);
  while (-1 != fgets (&buf, fp))
  {
    if (root == NULL)
    {
      root = @list_type;
      tail = root;
    }
    else
    {
      tail.next = @list_type;
      tail = tail.next;
    }
    tail.text = buf;
  }
}
```

```
        tail.next = NULL;
    }
    () = fclose (fp);
    return root;
}
```

See Also

slangrtl

[traceback](#), [clearerr](#), [close](#), [errno](#), [error](#), [fclose](#), [fdopen](#), [feof](#), [ferror](#), [fflush](#), [fgetslines](#), [fileno](#), [fopen](#), [fprintf](#), [fputs](#), [fread](#), [fseek](#), [ftell](#), [fwrite](#), [isatty](#), [message](#), [mkdir](#), [open](#), [pclose](#), [popen](#), [printf](#), [read](#), [usage](#), [verror](#)

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