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*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 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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