



 AHELP for CIAO 3.4

fopen

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Synopsis

Open a file

Syntax

```
File_Type fopen (String_Type f, String_Type m)
```

Description

The fopen function opens a file *f* according to the mode string *m*. Allowed values for *m* are:

```
"r"    Read only
"w"    Write only
"a"    Append
"r+"   Reading and writing at the beginning of the file.
"w+"   Reading and writing.  The file is created if it does not
       exist; otherwise, it is truncated.
"a+"   Reading and writing at the end of the file.  The file is created
       if it does not already exist.
```

In addition, the mode string can also include the letter 'b' as the last character to indicate that the file is to be opened in binary mode.

Upon success, fopen a File_Type object which is meant to be used in other operations that require an open file. Upon failure, the function returns NULL.

Example

The following function opens a file in append mode and writes a string to it:

```
define append_string_to_file (file, str)
{
  variable fp = fopen (file, "a");
  if (fp == NULL) verror ("%s could not be opened", file);
  () = fputs (string, fp);
}
```

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

Note that the return values from fputs and fclose are ignored.

There is no need to explicitly close a file opened with fopen. If the returned File_Type object goes out of scope, S-Lang will automatically close the file. However, explicitly closing a file after use is recommended.

See Also

slangrtl

[clearerr](#), [close](#), [fclose](#), [fdopen](#), [feof](#), [ferror](#), [fflush](#), [fgets](#), [fgetslines](#), [fileno](#), [fprintf](#), [fputs](#), [fread](#), [fseek](#), [ftell](#), [fwrite](#), [isatty](#), [mkdir](#), [open](#), [pclose](#), [popen](#), [printf](#), [system](#)

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