

**NAME**

chmod – change mode of file

**SYNOPSIS**

(chmod = 15.)

**sys chmod; name; mode**

**chmod(name, mode)**

**char \*name;**

**DESCRIPTION**

The file whose name is given as the null-terminated string pointed to by *name* has its mode changed to *mode*. Modes are constructed by ORing together some combination of the following:

- 4000 set user ID on execution
- 2000 set group ID on execution
- 0400 read by owner
- 0200 write by owner
- 0100 execute (search on directory) by owner
- 0070 read, write, execute (search) by group
- 0007 read, write, execute (search) by others

Only the owner of a file (or the super-user) may change the mode.

**SEE ALSO**

chmod (I)

**DIAGNOSTIC**

Error bit (c-bit) set if *name* cannot be found or if current user is neither the owner of the file nor the super-user. From C, a -1 returned value indicates an error, 0 indicates success.