

NAME

`fcntl` — file control

SYNOPSIS

```
int fcntl (fildes, request, argument)
int fildes, request, argument;
```

DESCRIPTION

This function provides for control over open files. The *requests* available are:

- 0 — duplicate *fildes* as the lowest-numbered available file descriptor not less than *argument*. Returns the new file descriptor, or `-1` if no appropriate file descriptors are available, or if *fildes* is not open. The flags (see below) are set to zero.
- 1 — Get *fildes* flags where a 0 return means a normal file and 1 means that the file should be closed on *exec*.
- 2 — Set *fildes* flags to *argument* (0 or 1 as above). Returns *fildes* if successful, otherwise `-1`.

EXAMPLES

The following pairs of calls are equivalent:

```
dup(x) = fcntl(x, 0, 0)
rename(x, y) = close(y), fcntl(x, 0, y), close(x)
```

NOTE

The future of this command is unsure. *Ioctl(2)* should be used for auto-close purposes.

SEE ALSO

`exec(2)`, `open(2)`, `close(2)`, `ioctl(2)`

ASSEMBLER

```
{fcntl = 62.}
{fildes in r0}
sys fcntl; request; argument
{result in r0}
```