

NAME

write — write on a file

SYNOPSIS

```
write (fildes, buffer, nbytes)
char *buffer;
```

DESCRIPTION

A file descriptor is a word returned from a successful *open*, *creat*, *dup*, or *pipe* call.

Buffer is the address of *nbytes* contiguous bytes which are written on the output file. The number of characters actually written is returned (in *r0*). It should be regarded as an error if this is not the same as requested.

Writes which are multiples of 512 characters long and begin on a 512-byte boundary are more efficient than any others.

SEE ALSO

creat(2), *open*(2), *pipe*(2), *read*(2)

DIAGNOSTICS

The error bit (c-bit) is set on an error: bad descriptor, buffer address, or count; physical I/O errors. From C, a returned value of -1 indicates an error.

ASSEMBLER

```
(write = 4.)
(file descriptor in r0)
sys write; buffer; nbytes
(byte count in r0)
```

