

explain_pread_or_die(3)

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NAME

explain_pread_or_die – seek and read from a file descriptor and report errors

SYNOPSIS

```
#include <libexplain/pread.h>
```

```
ssize_t explain_pread_or_die(int fildes, void *data, size_t data_size, off_t offset);
```

```
ssize_t explain_pread_on_error(int fildes, void *data, size_t data_size, off_t offset)
```

DESCRIPTION

The **explain_pread_or_die** function is used to call the *pread(2)* system call. On failure an explanation will be printed to *stderr*, obtained from the *explain_pread(3)* function, and then the process terminates by calling `exit(EXIT_FAILURE)`.

The **explain_pread_on_error** function is used to call the *pread(2)* system call. On failure an explanation will be printed to *stderr*, obtained from the *explain_pread(3)* function, but still returns to the caller.

fildes The fildes, exactly as to be passed to the *pread(2)* system call.

data The data, exactly as to be passed to the *pread(2)* system call.

data_size The data_size, exactly as to be passed to the *pread(2)* system call.

offset The offset, exactly as to be passed to the *pread(2)* system call.

RETURN VALUE

The **explain_pread_or_die** function only returns on success, see *pread(2)* for more information. On failure, prints an explanation and exits, it does not return.

The **explain_pread_on_error** function always returns the value return by the wrapped *pread(2)* system call.

EXAMPLE

The **explain_pread_or_die** function is intended to be used in a fashion similar to the following example:

```
ssize_t result = explain_pread_or_die(fildes, data, data_size, offset);
```

SEE ALSO

pread(2) read from a file descriptor at a given offset

explain_pread(3)
explain *pread(2)* errors

exit(2) terminate the calling process

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