

explain_setbuffer_or_die(3)

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NAME

explain_setbuffer_or_die – stream buffering operations and report errors

SYNOPSIS

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

void explain_setbuffer_or_die(FILE *fp, char *data, size_t size);
void explain_setbuffer_on_error(FILE *fp, char *data, size_t size);
```

DESCRIPTION

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

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

fp The fp, exactly as to be passed to the *setbuffer(3)* system call.

data The data, exactly as to be passed to the *setbuffer(3)* system call.

size The size, exactly as to be passed to the *setbuffer(3)* system call.

RETURN VALUE

The **explain_setbuffer_or_die** function only returns on success, see *setbuffer(3)* for more information. On failure, prints an explanation and exits, it does not return.

The **explain_setbuffer_on_error** function always returns the value return by the wrapped *setbuffer(3)* system call.

EXAMPLE

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

```
void result = explain_setbuffer_or_die(fp, data, size);
```

SEE ALSO

setbuffer(3)
stream buffering operations

explain_setbuffer(3)
explain *setbuffer(3)* errors

exit(2) terminate the calling process

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