

explain\_vsprintf\_or\_die(3)

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**NAME**

explain\_vsprintf\_or\_die – formatted output conversion and report errors

**SYNOPSIS**

#include &lt;libexplain/vsprintf.h&gt;

int explain\_vsprintf\_or\_die(char \*data, const char \*format, va\_list ap);

int explain\_vsprintf\_on\_error(char \*data, const char \*format, va\_list ap);

**DESCRIPTION**

The **explain\_vsprintf\_or\_die** function is used to call the *vsprintf(3)* system call. On failure an explanation will be printed to *stderr*, obtained from the *explain\_vsprintf(3)* function, and then the process terminates by calling `exit(EXIT_FAILURE)`.

The **explain\_vsprintf\_on\_error** function is used to call the *vsprintf(3)* system call. On failure an explanation will be printed to *stderr*, obtained from the *explain\_vsprintf(3)* function, but still returns to the caller.

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

*format*    The format, exactly as to be passed to the *vsprintf(3)* system call.

*ap*        The ap, exactly as to be passed to the *vsprintf(3)* system call.

**RETURN VALUE**

The **explain\_vsprintf\_or\_die** function only returns on success, see *vsprintf(3)* for more information. On failure, prints an explanation and exits, it does not return.

The **explain\_vsprintf\_on\_error** function always returns the value return by the wrapped *vsprintf(3)* system call.

**EXAMPLE**

The **explain\_vsprintf\_or\_die** function is intended to be used in a fashion similar to the following example:

```
int result = explain_vsprintf_or_die(data, format, ap);
```

**SEE ALSO***vsprintf(3)*

formatted output conversion

*explain\_vsprintf(3)*explain *vsprintf(3)* errors*exit(2)*

terminate the calling process

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