

NAME

warning, vwarning – display formatted warning notification

SYNOPSIS

```
#include "mjsu.h"
```

```
VOID warning(CHAR *fmt, ...);
VOID vwarning(CHAR *fmt, va_list ap);
```

DESCRIPTION

If *fmt* is not NULL, **warning()** and **vwarning()** construct a warning notification of the form

```
warning: message
```

and then display it.

The *message* is constructed from the format-specification *fmt* using subsequent arguments, in the same way as the standard **fprintf(3)** and **vfprintf(3)** functions, respectively.

By default, the notification is emitted to standard-error, prefixed by the name of the current process (see **whatami(3)**), and followed by a newline.

That default method of display can be overridden using **notifier(3)** to install a callback function that displays the notification in another manner (eg: as a popup dialog with a different caption and a custom icon, or whatever).

RETURNS

warning() and **vwarning()** return the number of times that either function has been called with a non-NULL *fmt*, including the current call, ie: the total number of warning notifications emitted so far.

EXAMPLE

```
int main(int ac, char **av)
{
    for (--ac, ++av ; ac && *av; --ac, ++av)
    {
        if (!(pf = fopen(*av, "r")))
            warning("cannot open file: %s", *av);
        else
        {
            process_file(pf);
            fclose(pf);
        }
    }
}

/* This shows a use for the return value...
 * indicate failure if any warnings have been issued:
 */
return (warning(NULL) ? EXIT_FAILURE : EXIT_SUCCESS);
```

SEE ALSO

error(3), **remark(3)**, **usage(3)**.

notifier(3), **whatami(3)**, **mjsu(7)**.

exit(), **fprintf()**, **vfprintf()**, as defined by ANSI X3.159-1989.

AVAILABILITY

These functions are written in C, conforming to ANSI X3.159-1989 (hosted program environment).