



## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'strcasecmp.3p' command***

**\$ man strcasecmp.3p**

STRCASECMP(3P)      POSIX Programmer's Manual      STRCASECMP(3P)

### PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

### NAME

strcasecmp, strcasecmp\_l, strncasecmp, strncasecmp\_l ? case-insensitive string comparisons

### SYNOPSIS

```
#include <strings.h>

int strcasecmp(const char *s1, const char *s2);

int strcasecmp_l(const char *s1, const char *s2,
                 locale_t locale);

int strncasecmp(const char *s1, const char *s2, size_t n);

int strncasecmp_l(const char *s1, const char *s2,
                  size_t n, locale_t locale);
```

### DESCRIPTION

The `strcasecmp()` and `strcasecmp_l()` functions shall compare, while ignoring differences in case, the string pointed to by `s1` to the string pointed to by `s2`. The `strncasecmp()` and `strncasecmp_l()` functions shall compare, while ignoring differences in case, not more than `n` bytes from the string pointed to by `s1` to the string pointed to by `s2`.

The `strcasecmp()` and `strncasecmp()` functions use the current locale to determine the case of the characters.

The `strcasecmp_l()` and `strncasecmp_l()` functions use the locale represented by `locale` to determine the case of the characters.

When the `LC_CTYPE` category of the locale being used is from the POSIX locale, these functions shall behave as if the strings had been converted to lowercase and then a byte comparison performed. Otherwise, the results are unspecified.

The behavior is undefined if the locale argument to `strcasecmp_l()` or `strncasecmp_l()` is the special locale object `LC_GLOBAL_LOCALE` or is not a valid locale object handle.

## RETURN VALUE

Upon completion, `strcasecmp()` and `strcasecmp_l()` shall return an integer greater than, equal to, or less than 0, if the string pointed to by `s1` is, ignoring case, greater than, equal to, or less than the string pointed to by `s2`, respectively.

Upon successful completion, `strncasecmp()` and `strncasecmp_l()` shall return an integer greater than, equal to, or less than 0, if the possibly null-terminated array pointed to by `s1` is, ignoring case, greater than, equal to, or less than the possibly null-terminated array pointed to by `s2`, respectively.

## ERRORS

No errors are defined.

The following sections are informative.

## EXAMPLES

None.

## APPLICATION USAGE

None.

## RATIONALE

None.

## FUTURE DIRECTIONS

None.

## SEE ALSO

wscasecmp()

The Base Definitions volume of POSIX.1-2017, <strings.h>

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