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

**\$ man strncmp.3p**

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

strncmp ? compare part of two strings

### SYNOPSIS

```
#include <string.h>

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

### DESCRIPTION

The functionality described on this reference page is aligned with the ISO C standard. Any conflict between the requirements described here and the ISO C standard is unintentional. This volume of POSIX.1?2017 defers to the ISO C standard.

The `strncmp()` function shall compare not more than `n` bytes (bytes that follow a NUL character are not compared) from the array pointed to by `s1` to the array pointed to by `s2`.

The sign of a non-zero return value is determined by the sign of the difference between the values of the first pair of bytes (both interpreted as type `unsigned char`) that differ in the strings being compared.

## RETURN VALUE

Upon successful completion, `strncmp()` shall return an integer greater than, equal to, or less than 0, if the possibly null-terminated array pointed to by `s1` is 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

`strcmp()`

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

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