



## ***Rocky Enterprise Linux 9.2 Manual Pages on command 'string.3'***

**C:\>man string.3**

STRING(3)                      Linux Programmer's Manual                      STRING(3)

### NAME

stpcpy, strcasecmp, strcat, strchr, strcmp, strcoll, strcpy, strcspn, strdup, str?  
fry, strlen, strncat, strncmp, strncpy, strncasecmp, strpbrk, strrchr, strsep, str?  
spn, strstr, strtok, strxfrm, index, rindex - string operations

### SYNOPSIS

```
#include <strings.h>
```

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

Compare the strings s1 and s2 ignoring case.

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

Compare the first n bytes of the strings s1 and s2 ignoring case.

```
char *index(const char *s, int c);
```

Return a pointer to the first occurrence of the character c in the string s.

```
char *rindex(const char *s, int c);
```

Return a pointer to the last occurrence of the character c in the string s.

```
#include <string.h>
```

```
char *stpcpy(char *dest, const char *src);
```

Copy a string from src to dest, returning a pointer to the end of the resulting string at dest.

```
char *strcat(char *dest, const char *src);
```

Append the string src to the string dest, returning a pointer dest.

```
char *strchr(const char *s, int c);
```

Return a pointer to the first occurrence of the character `c` in the string `s`.

```
int strcmp(const char *s1, const char *s2);
```

Compare the strings `s1` with `s2`.

```
int strcoll(const char *s1, const char *s2);
```

Compare the strings `s1` with `s2` using the current locale.

```
char *strcpy(char *dest, const char *src);
```

Copy the string `src` to `dest`, returning a pointer to the start of `dest`.

```
size_t strcspn(const char *s, const char *reject);
```

Calculate the length of the initial segment of the string `s` which does not contain any of bytes in the string `reject`,

```
char *strdup(const char *s);
```

Return a duplicate of the string `s` in memory allocated using `malloc(3)`.

```
char *strfry(char *string);
```

Randomly swap the characters in string.

```
size_t strlen(const char *s);
```

Return the length of the string `s`.

```
char *strncat(char *dest, const char *src, size_t n);
```

Append at most `n` bytes from the string `src` to the string `dest`, returning a pointer to `dest`.

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

Compare at most `n` bytes of the strings `s1` and `s2`.

```
char *strncpy(char *dest, const char *src, size_t n);
```

Copy at most `n` bytes from string `src` to `dest`, returning a pointer to the start of `dest`.

```
char *strpbrk(const char *s, const char *accept);
```

Return a pointer to the first occurrence in the string `s` of one of the bytes in the string `accept`.

```
char *strrchr(const char *s, int c);
```

Return a pointer to the last occurrence of the character `c` in the string `s`.

```
char *strsep(char **stringp, const char *delim);
```

Extract the initial token in `stringp` that is delimited by one of the bytes in `delim`.

```
size_t strspn(const char *s, const char *accept);
```

Calculate the length of the starting segment in the string `s` that consists entirely of bytes in `accept`.

```
char *strstr(const char *haystack, const char *needle);
```

Find the first occurrence of the substring `needle` in the string `haystack`, returning a pointer to the found substring.

```
char *strtok(char *s, const char *delim);
```

Extract tokens from the string `s` that are delimited by one of the bytes in `delim`.

```
size_t strxfrm(char *dest, const char *src, size_t n);
```

Transforms `src` to the current locale and copies the first `n` bytes to `dest`.

## DESCRIPTION

The string functions perform operations on null-terminated strings. See the individual man pages for descriptions of each function.

## SEE ALSO

`index(3)`, `rindex(3)`, `stpcpy(3)`, `strcasecmp(3)`, `strcat(3)`, `strchr(3)`, `strcmp(3)`, `strcoll(3)`, `strcpy(3)`, `strcspn(3)`, `strdup(3)`, `strfry(3)`, `strlen(3)`, `strncasecmp(3)`, `strncat(3)`, `strncmp(3)`, `strncpy(3)`, `strpbrk(3)`, `strrchr(3)`, `strsep(3)`, `strspn(3)`, `strstr(3)`, `strtok(3)`, `strxfrm(3)`

## COLOPHON

This page is part of release 5.05 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.

2019-03-06

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