NAME

stpcpy, strcasecmp, strcat, strchr, strcmp, strcoll, strcpy, strcspn, strdup, strfry, strlen, strncat, strncmp, strncpy, strncasecmp, strpbrk, strrchr, strsep, strspn, strstr, strtok, strxfrm, index, rindex − string operations

LIBRARY

Standard C library (*libc*, *−lc*)

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***[.***n***], const char** *s2***[.***n***], size_t** *n***);**
Compare the first *n* bytes of the strings *s1* and *s2* ignoring case.

char *index(const char ****s*, int** *c***);**
Identical to **strchr**(3).

char *rindex(const char ****s*, int** *c***);**
Identical to **strrchr**(3).

#include <string.h>

char *stpcpy(char *restrict *dest***, const char *restrict** *src***);**
Copy a string from *src* to *dest*, returning a pointer to the end of the resulting string at *dest*.

char *strcat(char *restrict *dest***, const char *restrict** *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 *restrict *dest***, const char *restrict** *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***[restrict strlen(.***dest***) + .***n* **+ 1],**
const char *src***[restrict .***n***],**
size_t *n***);**
Append at most *n* bytes from the unterminated string *src* to the string *dest*, returning a pointer to *dest*.

int strncmp(const char *s1***[.***n***], const char** *s2***[.***n***], size_t** *n***);**
Compare at most *n* bytes of the strings *s1* and *s2*.

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 **restrict _stringp_, const char *restrict** _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 *restrict _s_, const char *restrict** _delim_);**
Extract tokens from the string *s* that are delimited by one of the bytes in *delim*.

size_t strxfrm(char _dest_**[restrict .**_n_**], const char** _src_**[restrict .**_n_**],**
size_t _n_**);**
Transforms *src* to the current locale and copies the first *n* bytes to *dest*.

Obsolete functions

char *strncpy(char _dest_**[restrict .**_n_**], const char** _src_**[restrict .**_n_**],**
size_t _n_**);**
Copy at most *n* bytes from string *src* to *dest*, returning a pointer to the start of *dest*.

DESCRIPTION

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

SEE ALSO

bstring(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)