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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'string.h.0p' command

\$ man string.h.0p

string.h(0P) POSIX Programmer's Manual string.h(0P)

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

string.h ? string operations

SYNOPSIS

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

DESCRIPTION

Some of the functionality described on this reference page extends the ISO C standard. Applications shall define the appropriate feature test macro (see the System Interfaces volume of POSIX.1?2017, Section 2.2, The Compilation Environment) to enable the visibility of these symbols in this header.

The <string.h> header shall define `NULL` and `size_t` as described in <stddef.h>.

The <string.h> header shall define the `locale_t` type as described in <locale.h>.

The following shall be declared as functions and may also be defined as macros. Function prototypes shall be provided for use with ISO C standard compilers.

```
void *memcpy(void *restrict, const void *restrict, int, size_t);
void *memchr(const void *, int, size_t);
int memcmp(const void *, const void *, size_t);
void *memcpy(void *restrict, const void *restrict, size_t);
void *memmove(void *, const void *, size_t);
void *memset(void *, int, size_t);
char *strcpy(char *restrict, const char *restrict);
char *strncpy(char *restrict, const char *restrict, size_t);
char *strcat(char *restrict, const char *restrict);
char *strchr(const char *, int);
int strcmp(const char *, const char *);
int strcoll(const char *, const char *);
int strcoll_l(const char *, const char *, locale_t);
char *strcpy(char *restrict, const char *restrict);
size_t strcspn(const char *, const char *);
char *strdup(const char *);
char *strerror(int);
char *strerror_l(int, locale_t);
int strerror_r(int, char *, size_t);
size_t strlen(const char *);
char *strncat(char *restrict, const char *restrict, size_t);
int strncmp(const char *, const char *, size_t);
char *strncpy(char *restrict, const char *restrict, size_t);
char *strndup(const char *, size_t);
size_t strnlen(const char *, size_t);
char *strpbrk(const char *, const char *);
char *strrchr(const char *, int);
char *strsignal(int);
size_t strspn(const char *, const char *);
char *strstr(const char *, const char *);
char *strtok(char *restrict, const char *restrict);
char *strtok_r(char *restrict, const char *restrict, char **restrict);
size_t strxfrm(char *restrict, const char *restrict, size_t);
```

```
size_t  strxfrm_(char *restrict, const char *restrict,  
                size_t, locale_t);
```

Inclusion of the <string.h> header may also make visible all symbols from <stddef.h>.

The following sections are informative.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

<locale.h>, <stddef.h>, <sys_types.h>

The System Interfaces volume of POSIX.1?2017, Section 2.2, The Compilation Environment, memccpy(), memchr(), memcmp(), memcpy(), memmove(), memset(), strcat(), strchr(), strcmp(), strcoll(), strcpy(), strcspn(), strdup(), strerror(), strlen(), strncat(), strncmp(), strncpy(), strpbrk(), strrchr(), strsignal(), strspn(), strstr(), strtok(), strxfrm()

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