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 IEEE Std 1003.1-2001, Section 2.2, The Compilation Environment) to enable the visibility of these symbols in this header.

The <*string.h*> header shall define the following:

NULL Null pointer constant.

size_t As described in <*stddef.h*> .

The following shall be declared as functions and may also be defined as macros. Function prototypes shall be provided.

```
void    *memccpy(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    *strcat(char *restrict, const char *restrict);
char    *strchr(const char *, int);
int     strcmp(const char *, const char *);
int     strcoll(const char *, const char *);
char    *strcpy(char *restrict, const char *restrict);
size_t  strcspn(const char *, const char *);

char    *strdup(const char *);

char    *strerror(int);

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    *strpbrk(const char *, const char *);
char    *strrchr(const char *, 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 *, const char *, char **);

size_t  strxfrm(char *restrict, const char *restrict, size_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

<stddef.h>, *<sys/types.h>*, the System Interfaces volume of IEEE Std 1003.1-2001, *memccpy*(), *memchr*(), *memcmp*(), *memcpy*(), *memmove*(), *memset*(), *strcat*(), *strchr*(), *strcmp*(), *strcoll*(), *strcpy*(), *strcspn*(), *strdup*(), *strerror*(), *strlen*(), *strncat*(), *strncmp*(), *strncpy*(), *strpbrk*(), *strrchr*(), *strspn*(), *strstr*(), *strtok*(), *strxfrm*()

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