

NAME

memcmp - compare byte string

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

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

int

```
memcmp(const void *b1, const void *b2, size_t len);
```

DESCRIPTION

The **memcmp()** function compares byte string *b1* against byte string *b2*. Both strings are assumed to be *len* bytes long.

RETURN VALUES

The **memcmp()** function returns zero if the two strings are identical, otherwise returns the difference between the first two differing bytes (treated as *unsigned char* values, so that '\200' is greater than '\0', for example). Zero-length strings are always identical.

SEE ALSO

bcmp(3), **strcasecmp(3)**, **strcmp(3)**, **strcoll(3)**, **strxfrm(3)**, **timingsafe_memcmp(3)**, **wmemcmp(3)**

STANDARDS

The **memcmp()** function conforms to ISO/IEC 9899:1990 ("ISO C90").