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## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'memcmp.3p' command***

***\$ man memcmp.3p***

MEMCMP(3P)            POSIX Programmer's Manual            MEMCMP(3P)

### 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

memcmp ? compare bytes in memory

### SYNOPSIS

```
#include <string.h>

int memcmp(const void *s1, const void *s2, size_t n);
```

### DESCRIPTION

The functionality described on this reference page is aligned with the ISO C standard. Any conflict between the requirements described here and the ISO C standard is unintentional. This volume of POSIX.1?2017 defers to the ISO C standard.

The memcmp() function shall compare the first n bytes (each interpreted as unsigned char) of the object pointed to by s1 to the first n bytes of the object pointed to by s2.

The sign of a non-zero return value shall be determined by the sign of the difference between the values of the first pair of bytes (both interpreted as type unsigned char) that differ in the objects being compared.

## RETURN VALUE

The `memcmp()` function shall return an integer greater than, equal to, or less than 0, if the object pointed to by `s1` is greater than, equal to, or less than the object pointed to by `s2`, respectively.

## ERRORS

No errors are defined.

The following sections are informative.

## EXAMPLES

None.

## APPLICATION USAGE

None.

## RATIONALE

None.

## FUTURE DIRECTIONS

None.

## SEE ALSO

The Base Definitions volume of POSIX.1-2017, `<string.h>`

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