NAME

```
mempcpy, wmempcpy - copy memory area
```

LIBRARY

```
Standard C library (libc, -lc)
```

SYNOPSIS

DESCRIPTION

The **mempcpy**() function is nearly identical to the **memcpy**(3) function. It copies n bytes from the object beginning at src into the object pointed to by dest. But instead of returning the value of dest it returns a pointer to the byte following the last written byte.

This function is useful in situations where a number of objects shall be copied to consecutive memory positions.

The **wmempcpy**() function is identical but takes $wchar_t$ type arguments and copies n wide characters.

RETURN VALUE

dest + n.

VERSIONS

mempcpy() first appeared in glibc 2.1.

ATTRIBUTES

For an explanation of the terms used in this section, see **attributes**(7).

Interface	Attribute	Value
mempcpy(), wmempcpy()	Thread safety	MT-Safe

STANDARDS

This function is a GNU extension.

EXAMPLES

```
void *
combine(void *o1, size_t s1, void *o2, size_t s2)
{
    void *result = malloc(s1 + s2);
    if (result != NULL)
        mempcpy(mempcpy(result, o1, s1), o2, s2);
    return result;
}
```

SEE ALSO

memccpy(3), memcpy(3), memmove(3), wmemcpy(3)