

NAME

qsort – sorts an array

SYNOPSIS

```
#include <stdlib.h>
```

```
void qsort(void *base, size_t nmemb, size_t size,  
           int (*compar)(const void *, const void *));
```

DESCRIPTION

The **qsort()** function sorts an array with *nmemb* elements of size *size*. The *base* argument points to the start of the array.

The contents of the array are sorted in ascending order according to a comparison function pointed to by *compar*, which is called with two arguments that point to the objects being compared.

The comparison function must return an integer less than, equal to, or greater than zero if the first argument is considered to be respectively less than, equal to, or greater than the second. If two members compare as equal, their order in the sorted array is undefined.

RETURN VALUE

The **qsort()** function returns no value.

CONFORMING TO

SVID 3, POSIX, BSD 4.3, ISO 9899

SEE ALSO

sort(1)