

The qsort () function in C

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Qsort () function stands for Quick Sort, written based on Quick Sort algorithm.

Declaring the function qsort () in C

Below is the declaration for qsort () in C:

```
void qsort ( void * base , so - phan - tu , kich - co , int (* compar ) ( const
```

Parameters

base : This is the pointer to the first element of the array to be sorted.

so-phan-tu : This is the number of elements in the array pointed by the base pointer.

kich-co : This is the size (in bytes) of each element in the array.

compar : The function compares two elements.

Returns the value

This function does not return any values.

For example

The following C program illustrates the usage of qsort () in C:

```
#include #include int values [] = { 88 , 56 , 100 , 2 , 25 }; int cmpfunc (
```

Compiling and running the above C program will result:

```
Truoc khi sap xep, list co dang:  
88 56 100 2 25  
Sau khi sap xep, list co dang:  
2 25 56 88 100  
-----
```

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