

# Function realloc () in C

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## Declare the function realloc () in C

Below is the declaration for realloc () in C:

```
void * realloc ( void * ptr , kich - co )
```

## Parameters

**ptr** : This is the pointer to the previously allocated memory block with **malloc** , **calloc** or **realloc** to be re-allocated. If the value is NULL, a new block is allocated and a pointer to it is returned by this function.

**kich-co** : This is the new size for the memory block. If **the value is 0 and the pointer ptr points to an existing** memory block, the memory block pointed to by ptr is freed and a **NULL** pointer is returned.

## Returns the value

This function returns a pointer to the newly allocated memory, or returns NULL if the request fails.

## For example

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

```
#include #include #include int main () { char * str ; /* lan cap phat bo nho b
```

Compile and run the above C program to see the results.

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