

Universidad Politécnica de Yucatán

Structured Programming

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Malloc

Declaration of the function: `void* malloc(size_t size);`

Its function is to allocate a memory space, if this memory has been allocated, dirty data may be left behind.

It allocates only single block of requested memory

Calloc

Declaration of the function: `void* calloc(size_t num, size_t size);`

Its function is to open a space for the num elements of size and start each byte of the space to 0.

It allocates multiple block of requested memory.

Realloc

Declaration of the function: `void* realloc(void* ptr, size_t size);`

Its function is to modify the assigned memory.

It has two parameters that are:

1. PTR, a pointer to the base address of the space to modify.
2. It is the size which will expand. The size include the original size.

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References

- <http://manpages.ubuntu.com/manpages/bionic/es/man3/malloc.3.html>
- <https://programmerclick.com/article/15821090430/>