



EXERCISES — My calloc

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**The way is lit. The path is clear.
We require only the strength to follow it.**

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File Tree

```
my_malloc/  
├── my_malloc.c  (to submit)  
└── my_malloc.h  (to submit)
```

Authorized functions : You are only allowed to use the following functions

- malloc(3)

Authorized headers : You are only allowed to use the functions defined in the following headers

- err.h
- errno.h
- assert.h
- stddef.h

Compilation : Your code must compile with the following flags

- -std=c99 -pedantic -Werror -Wall -Wextra -Wvla

Main function : None

1 Goal

You have to implement the following function:

```
void *my_malloc(size_t n, size_t size);
```

Returns a pointer to an allocated memory area capable of holding `n` elements of `size` bytes. The whole memory must be set to zero. Returns `NULL` if the allocation failed. The returned pointer will be freed later using `free(3)`.

The way is lit. The path is clear. We require only the strength to follow it.