



EXERCISES — Calloc array

version #



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1 Calloc array

Files to submit:

- `calloc_array/my_calloc.c`

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:

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

1.1 Goal

Write a custom version of `calloc(3)` (see `man 3 calloc`). This function will return a dynamically allocated `int` array. The function takes two arguments:

```
int *my_calloc(size_t size, int init);
```

- `size`: the number of elements of the array.
- `init`: the default element of the array.

If an error were to occur or `size` were to be zero, the function should return `NULL`. In order to properly check for an overflow, you can use dedicated [built-in C functions](#)

It is my job to make sure you do yours.