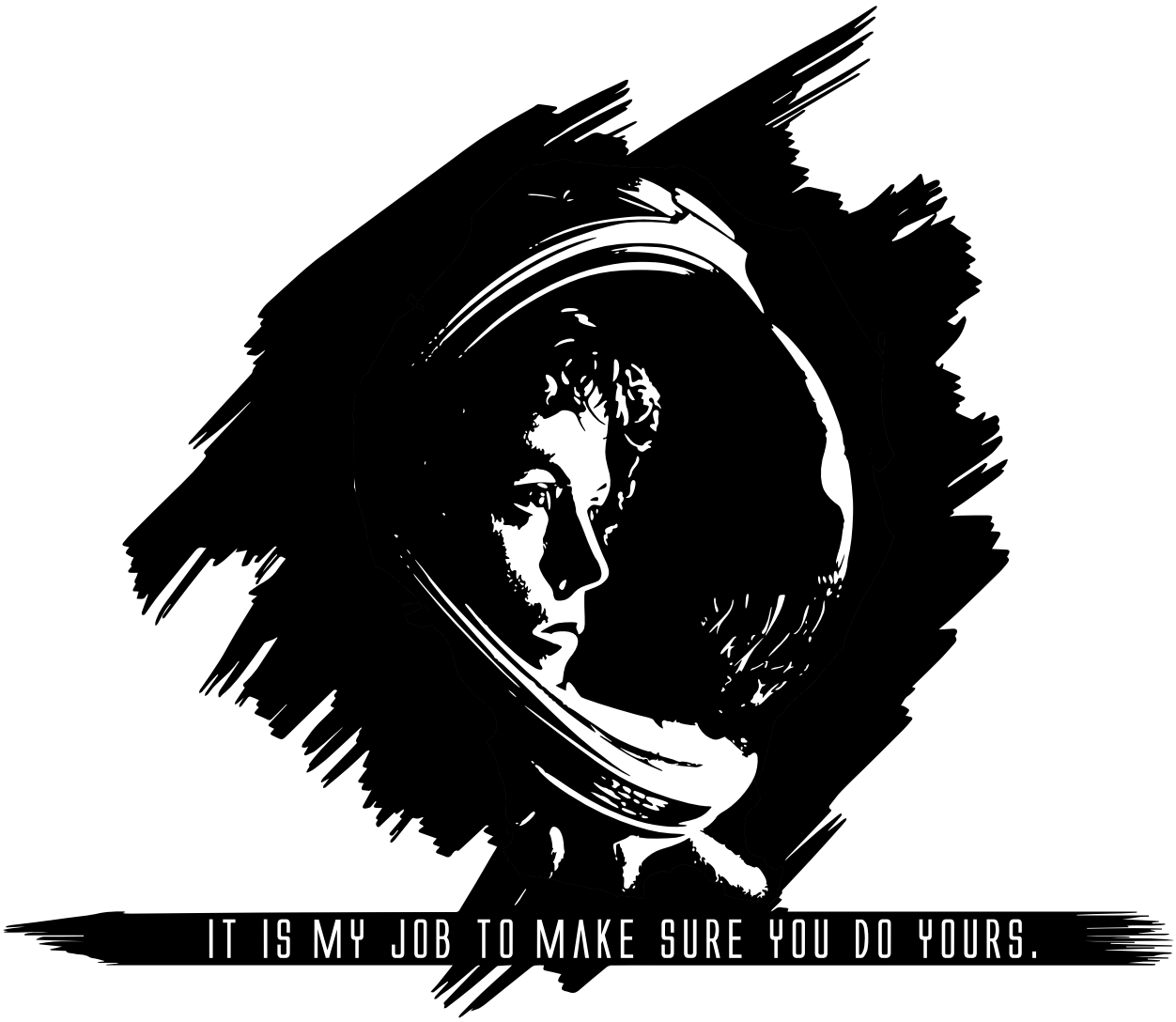
Exercises — Calloc array

version #



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Contents

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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.