Exercises — Array Max Min

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

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Contents

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File Tree

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

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

Write a function that takes an array `tab` of integers and its length `len`, along with two pointers and set the value of the two pointers to the maximum and minimum of the array.

If `tab` is `NULL` or `len` is equal to 0, the function does nothing.

Prototype:

```c
void array_max_min(int tab[], size_t len, int *max, int *min);
```

2 Example

```c
int main(void)
{
    int max = 0;
    int min = 0;
    int tab[] = { 5, 3, 1, 42, 53, 3, 47 };
    size_t len = 7;

    array_max_min(tab, len, &max, &min);

    printf("max : %d\n", max);
    printf("min : %d\n", min);

    return 0;
}
```

Output:

```
42sh$ ./array_max_min
max : 53
min : 1
```

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