Exercises — Int Vector Max

version #

IT IS MY JOB TO MAKE SURE YOU DO YOURS.

Assistants C/Unix 2022 <assistants@tickets.assistants.epita.fr>

Copyright

This document is for internal use at EPITA ([website](#)) only.

Copyright © 2021-2022 Assistants `<assistants@tickets.assistants.epita.fr>`

The use of this document must abide by the following rules:
- ▷ You downloaded it from the assistants' intranet.*
- ▷ This document is strictly personal and must **not** be passed onto someone else.
- ▷ Non-compliance with these rules can lead to severe sanctions.

Contents

---

1 Int Vector Max

Files to submit:

- int_vector_max/int_vector_max.c

Provided files:

- int_vector_max/int_vector_max.h

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

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

1.1 Goal

Write a function that takes a vector of integers and returns the maximum value it contains. The size of the table will always be correct and superior to zero.

```
int int_vector_max(const struct int_vector vec);
```

Structure of the vector:

```
struct int_vector
{
    size_t size;
    int data[INT_VECTOR_LENGTH];
};
```

It is my job to make sure you do yours.