



EXERCISES — Int Vector Print

version #



Copyright

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

Copyright © 2021-2022 Assistants [<assistants@tickets.assistants.epita.fr>](mailto: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 Print	3
1.1	Goal	3
1.2	Example:	3

*<https://intra.assistants.epita.fr>

1 Int Vector Print

Files to submit:

- int_vector_print/int_vector_print.c

Provided files:

- int_vector_print/int_vector_print.h

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

- printf(3)

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

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

1.1 Goal

Write a function that takes a vector of integers and prints all the values. Each element must be separated by a space and the line must have a newline at the end. The size of the vector will always be correct and superior to zero.

```
void int_vector_print(const struct int_vector vec);
```

Structure of the vector:

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

1.2 Example:

```
struct int_vector vec = {
    .size = 6,
    .data = { 0, 1, 2, 3, 4, 5 }
};
```

With the vector vec this output is expected:

```
42sh$ ./int_vector_print | cat -e
0 1 2 3 4 5$
```

It is my job to make sure you do yours.