



EXERCISES — My c tail

version #



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1 My c tail

Files to submit:

- my_c_tail/my_c_tail.c
- my_c_tail/main.c

Provided files:

- my_c_tail/main.c

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

- read(2)
- write(2)
- malloc(3)
- realloc(3)
- free(3)
- calloc(3)
- atoi(3)

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

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

1.1 Goal

You must implement the `stdintail` function that reads on the standard input and displays at most the `n` last lines on the standard output.

Tips

If there are less lines on standard input than asked, your function should print the maximum lines it can.

The expected function prototype is:

```
void stdintail(unsigned int n);
```

1.2 Example

This example uses the given `main.c`.

```
42sh$ gcc -Wall -Wextra -Werror -std=c99 -pedantic -o out main.c stdintail.c
42sh$ cat test
ho
hi
ha
haha

hello
42sh$ cat test | ./out 4
ha
haha

hello
```

It is my job to make sure you do yours.