# SCALE FOR PROJECT LIBFTASM (/PROJECTS/LIBFTASM)

## Introduction

Please respect the following rules:

- Remain polite, courteous, respectful and constructive
throughout the correction process. The well-being of the community
depends on it.

- Identify with the person (or the group) graded the eventual
dysfunctions of the work. Take the time to discuss
and debate the problems you have identified.

- You must consider that there might be some difference in how your
peers might have understood the project's instructions and the
scope of its functionalities. Always keep an open mind and grade
him/her as honestly as possible. The pedagogy is valid only and
only if peer-evaluation is conducted seriously.

## Guidelines

- Only grade the work that is in the student or group's
GiT repository.

- Double-check that the GiT repository belongs to the student
or the group. Ensure that the work is for the relevant project
and also check that "git clone" is used in an empty folder.

- Check carefully that no malicious aliases was used to fool you
and make you evaluate something other than the content of the
official repository.

- To avoid any surprises, carefully check that both the correcting
and the corrected students have reviewed the possible scripts used
to facilitate the grading.

- If the correcting student has not completed that particular

project yet, it is mandatory for this student to read the
entire subject prior to starting the defence.

- Use the flags available on this scale to signal an empty repository,
non-functioning program, cheating etc. In these cases,
the grading is over and the final grade is 0 (or -42 in case of
cheating). However, with the exception of cheating, you are
encouraged to continue to discuss your work (even if you have not
finished it) in order to identify any issues that may have caused
this failure and avoid repeating the same mistake in the future.

- For this project specificaly check the following points:
* There is a main.c file.

* There is a Makefile and it contains the usual rules.

* The .s files are compiled with the following command:
`nasm -f macho64`

* You must compile the test main and the libfts.a library using the follocing command:
`gcc -Wall -Wextra -Werror main.c libfts.a`

* You can't add the -no_pie flag.

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non-functioning program, a norm error, cheating etc. In these cases,
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finished it) in order to identify any issues that may have caused
this failure and avoid repeating the same mistake in the future.

- During the whole correction, any segfault, buserror, double free or anything
indicating an inadequat program behavior with the system stops the defense.

# Attachments

</> **main.c**

```
// bug intrav2 include fcntl.h

void    ft_cat(int fd);

int main(int ac, const char **av) {
        ft_cat(0);
        ft_cat(open(__FILE__, O_RDONLY));
        ft_cat(open(av[0], O_RDONLY));
        ft_cat(-42);
        (void)ac;
        return (0);
}
```

🗒 Subject (https://cdn.intra.42.fr/pdf/pdf/5226/libft-asm.en.pdf)

# libfts

**Basic libc functions**

Test that ALL of the following functions are behaving exactly as they are supposed to:
- ft_bzero
- ft_strcat
- ft_isalpha
- ft_isdigit
- ft_isalnum
- ft_isascii
- ft_isprint
- ft_toupper
- ft_tolower
- ft_puts

**Rate it from 0 (failed) through 5 (excellent)**

◯

**Less basic libc functions**

Test that ALL of the following functions are behaving exactly as they are supposed to:

- ft_strlen
- ft_memset

- ft_memcpy
- ft_strdup

Does it work?

If in any of these functions, the "rep" instruction isn't present
(or at least call to function that uses "rep"), their score is 0.

**Rate it from 0 (failed) through 5 (excellent)**

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**Cat**

Download the correction file.
- `gcc -W -Wall -Werror main.c libfts.a`
- ./a.out
- type "qwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnm\n" then ^D (control + D)

The display of the binary as well as the main.c file should be displayed.
If not, ft_cat does not work correctly.

⊘ Yes                                                    ✕ No

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# Bonus

**Extra Functions**

Give 1 point per additional function.

**Rate it from 0 (failed) through 5 (excellent)**

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# Ratings

**Don't forget to check the flag corresponding to the defense**

✔ Ok                                      ★ Outstanding project

📄 Empty work     📄 Incomplete work     💬 No author file     ☠ Invalid compilation

📑 Cheat     ♟ Crash     ⊘ Forbidden function

# Conclusion

**Leave a comment on this evaluation**

Preview!!!

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