

{EPITECH}

42SH

YOU KNOW THE ANSWER



42SH

Preliminaries



binary name: 42sh

language: C

groupe size: 4 - 5

compilation: via Makefile, including re, clean and fclean rules

authorized functions: all functions included in the libC or the ncurses library



- ✓ The totality of your source files, except all useless files (binary, temp files, objfiles,...), must be included in your delivery.
- ✓ All the bonus files (including a potential specific Makefile) should be in a directory named bonus.
- ✓ Error messages have to be written on the error output, and the program should then exit with the same error code as the TCSH should be.

Project

With the two first projects, your team must now write a whole Unix SHELL based on TCSH.

Once more, **stability** will be much more important than quantity. Don't include an option that will cause a problem for the rest of the program (especially for the mandatory section!).



For the different commands and compatibility (syntax), the reference shell used will be tcsh.

Here is a list of main features that should be added on top of the minishell :

feature	command
inhibitors	' '
globbing	*, ?, [,]
job control	&, fg, bg
backticks	' '
parentheses	(and)
variables	local and env
special variables	term, precmd, cwordcmd, cwd, ignoreeof for instance
history	!
aliases	example: alias ls "ls -color"
line edition	multiline, dynamic rebinding, auto-completion dynamic
scripting	a bit harsh though



Form a solid group: make sure that you can really work together, really work together as a group (together and through discussion)

Split the work-load intelligently: what if a member of your team get sick? Can you finish his part of the job, or is it a "black box" for you?

Write unit tests: if you write them as you add features, you will be more confident about the stability of your project as the code base grows.

Git is your friend: commit often! Do you know how to navigate in previous revisions? Do you know how to use branches?

Bonuses



You have free-rein and can do what you want. However, the entire project's coherence will be taken into consideration.

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