B1- Unix and C Lab Seminar

B-CPE-100

Fir Tree

An ascii art resizable Fir tree

v2.0

{EPITECH.}

Fir Tree

An ascii art resizable Fir tree

repository name: : CPool_Tree_$ACADEMICYEAR
repository rights: : ramassage-tek
language: : C
group size: : 1

- Your repository must contain the totality of your source files, but no useless files (binary, temp files, obj files,...).
- Don't push your **main** function into your delivery directory, we will be adding our own. Your files will be compiled adding our **main.c** and our **my_putchar.c** files.
- You are only allowed to use the **my_putchar** function to complete the following tasks, but don't push it into your delivery directory, and don't copy it in *any* of your delivered files.

The only allowed system call for this project is *write*.

Write a function that displays a fir tree, based on its given size.
If the size is 0, don't display anything.
The function must be prototyped as follows:

```
void tree(int size);
```

Delivery: CPool_Tree_$ACADEMICYEAR/tree.c
This is the only source file that will be checked-out.
It will be compiled with the command **cc main.c my_putchar.c**.

You can find a binary called, **tree** on the intranet along with the project description.

Don't forget that you need a coherent test policy to ensure your program outputs are correct. To do so:

- split your functions in **as many small functions as possible**, so that each function is responsible for one single thing (according to the Coding Style),
- Test each of your functions **individually** AND try to automate your testing process with some (shell?) scripts.

Examples

```
Terminal
~/B-CPE-100> ./a.out 1
   *
  ***
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   |
```

```
Terminal
~/B-CPE-100> ./a.out 5
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