



B1 - Unix & C Lab Seminar

B-CPE-100

Fir Tree

An ascii art resizable Fir tree



Fir Tree

language: C



- The totality of your source files, except all useless files (binary, temp files, obj files,...), must be included in your delivery.



- 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: `tree.c`

This is the only source file that will be checked-out.

It will be compiled with the command `cc our_main.c our_my_putchar.c tree.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.

[illegible]