



B1- Unix and C Lab Seminar

B-CPE-100

Fir Tree

An ascii art resizable Fir tree

v1.71



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),
- **write unit tests** to test exhaustively all of these functions.



Check out Day04 if you need an example of unit tests, and re-read this document.

