



B1- Unix and C Lab Seminar

B-CPE-100

Fir Tree

An ascii art resizable Fir tree

v2.0





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 O, 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 - + x

~/B-CPE-100> ./a.out 1

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***
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*****

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```

```
Terminal
√/B-CPE-100> ./a.out 5
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       *****
        ******
      ******
     *******
   **********
   **********
  *********
         \Pi\Pi\Pi\Pi
```