# Introduction to Computer Science

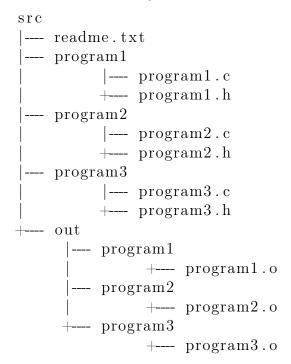
## Laboratory 1

### October 18, 2024

#### Part 1: Shell commands

- 1. Use a shell command to print the name of your operating system. How you can get a more detailed output? uname uname -a
- 2. How you can tell which is the current directory? pwd
- 3. Create a file and add some text to it (using a text edutor of your preference), then use a command to print the file's content in the terminal. echo "This is some text" > myfile.txt
- 4. Delete (using a command) the file created previosly. The command you used can delete directories too? rm
- 5. Print a message in the terminal. (Help: use echo). echo "hahaha"
- 6. What happens if you try to create an already existent file? And if you try with a directory?

  no happen if it is a file mkdir: cannot create directory 'a': File exists
- 7. Create the following file structure:



8. How you can delete the recently created file strucure with only **one** command?

rm -r

#### Part 2 : C Programming

- 1. Write a program that prints a message in the screen, compile and run it.
- 2. What happens if you **don't** use the -o flag during compilation?
- 3. This two C programs, print the same message? Why? What message do they print?

```
#include <stdio.h>
    int main() {
        printf("Hello ");
        printf("World\n");
        return 0;
} Hello World

#include <stdio.h>
    int main() {
        printf("Hello World");
        printf("Hello World");
        printf("\n");
        return 0;
}
```

4. And this two? Why? What message do they print?

```
#include <stdio.h>
int main() {
    printf("Hello ");
    printf("World\n");
    return 0;
}
Hello World

#include <stdio.h>
int main() {
    printf("World\n");
    printf("World\n");
    return 0;
}
Hello World
#include <stdio.h>
int main() {
    printf("World\n");
    printf("Hello ");
    return 0;
}

Hello
World
```