



« Lab 4 : CMake and debugging »

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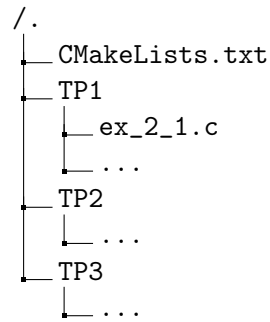


FIGURE 1 – Example of the folder structure

1 CMake

CMake allows you to easily manage the compilation and linking of your C code. Write a CMakeLists.txt file that provides all the executables of all previous labs. Figure 1 shows how your folder should look like.

2 Debugging

Debugging a program is a crucial step in the development of any application or library. Use your favorite debugger to find why the following program does not find the right number.

```
#include <stdio.h>

int main() {
    int arr[5] = {0, -1, -2, -3, -6};
    int max;

    for (int i = 0; i < 5; i++) {
        if (arr[i] > max)
            max = arr[i];
    }

    printf("The largest number in the array is %d\n", max);
    return 0;
}
```