Lab 0 Exercise 1
Move inside the `src` directory, copy in this `src` file `test-gdb.c` .
Using `gdb`, debug program test-gdb

1. Write a `Makefile` that contains a single compilation target to generate the executable file

2. Run `test-gdb`.

3. Display the content of files `In.txt` and `Out.txt.v1`. Are they equal or different?

4. Run the command `diff In.txt Out.txt.v1`

5. Run the command `od -ab In.txt`. Figure out what is its output

6. Run the command `od -ab Out.txt.v1`. Figure out what is its output

7. Execute `gdb test-gdb`

    1. Break at line 15

    2. Run

    3. Print the content of variable `name`

    4. Step at line 16

    5. Print the content of variable `name`

    6. Step into function `f1`

    7. Break at line 26

    8. Continue

    9. Check the content of the file pointer `fpR`

    10. Check the content of the structure `*fpR`

    11. Break at line 32

    12. Continue until you understand the error in this program

    13. Modify the program, remake the executable, run it and check again that its output is correct