

Lab 2 Exercise 2

Move inside the **src** directory and perform the following actions:

1. Create a simple C program, **main.c**, which displays the number of words of a text file, and copy it in the **src** directory. The filename of the text file must be given as an argument of the command line.
2. Copy the **main.c** file you have just created into directories **test**, **script** and **result** directories staying in the current **src** directory. Once done, verify the existence of the file using the **less** command (**man less** for details about the less command) and then delete them without moving from the current directory. Then, move to the parent directory **ex1**, and redo the same actions (copy, verify existence and delete);
3. What is the difference between the **cp**, **ln** and the **mv** command?
4. Compile the **main.c** file creating a **Makefile** that display all possible warning, and produces the executable file **myWC**.
5. Correct any compilation error, remake and verify the existence of the **myWC** executable file.
6. Verify also that the **myWC** permission is set for the file owner.
 1. Run **myWC** without arguments.
 2. Eliminate **myWC** **x** permission (use command **chmod** to change file permissions).
 3. Run **myWC** without arguments.
 4. Restore **x** permission for **myWC**
 5. Once done, move the binary file **myWC** into the **bin** directory;