

TP series №1

(Introduction to Unix)

Exercise 1 :

1. Explanation of the Unix installation (Virtual box, ubuntu....)
2. Basic LINUX commands

<u>Type of com- mands</u>	<u>orders</u>	<u>function</u>
Commands for managing directories and files	pwd,ls cd,cp,mv,mkdir,rmdir,more,passwd,exit	
Search commands	grep	
Editing commands and Printing and converting commands	q!,:w,:wq,:x	
Compile and run commands	F77, ./a.out	
Other commands	Cal,date,wc,spell,read,clear	

Exercise2:

1. In your current directory, create the following files in one command:

year1 year2 year4 year45 year41 year510 year_banana sausage

2. Create the Year directory in your current directory, in one command move the previously created files into the Year directory.
3. List all files
 - ending with 5 starting with annee4
 - starting with annee4 and up to 7 letters starting with year with no numeric digits containing the string ana
 - starting with a or A
4. Copy files whose penultimate character is a 4 or 1 into the directory tory/**tmp** in a single order.

Exercise 3:

1. How to Write a C Program on Unix and Guidelines

Remember

In the case of C programming, a program can be broken down into **several header files** carrying the extension **".h"** and **source files** carrying the extension **".c"**.

- **Header files** contain type definitions and declarations of variables and **function prototypes**. These files are included in the source files through the directive **#include**.

- **Source files** contain the functions themselves

<u>The instructions</u>	<u>function</u>
#include	
# ifdef	
# define	

2. Compiling and executing code

3. Displaying a Hello world! As a first program

<u>From source code to executable</u>	<u>order</u>
Compilation	
Link editing	
execution	

4. Calculate the sum of two values of your choice