LAB 2: Introduction to Linux

Objective

- To familiarize yourself with the Linux commands.

Instructions

1. Please make sure you have access to a Linux command line shell. The following options are available:
    a. If you have Mac, then just use the terminal utility.
    b. If you have a windows machine:
        i. Install Cygwin. And make sure the following packages exists:
            1. gcc (or gcc g++)
            2. gdb
            3. nano
        ii. or Install Virtualbox (or vmware) and install Ubuntu in it.
    c. For an online solution, please use https://cocalc.com/.
    d. Any Linux distribution is ok (ubuntu, kali, etc.…)
2. Please do the following exercises and for each question produce a screen shot of the command and the output.
3. Show your work to your TA.
4. Collect the screen shots in a PDF file and upload it on TEAMS before the end of the lab to get full marks.
5. Use the following file naming convention:

LAB2_section_your-first-name_student-id

Note: 1 mark (out of 10) deducted per day late. 3 days late maximum.

Exercises

1. Display detail information on a specific command in Linux (page by page).
2. Do the following steps:
    a. Create a text file.
    b. Make a copy the file in your current directory use your_name as a name for the new file.
    c. Create a subdirectory dir_X.
    d. Move file your_name to subdirectory dir_X.
    e. Delete the file without changing the directory.
3. Use a command:
    a. to change from current directory to root directory.
    b. then change back to home directory.
    c. In home directory, create a new directory call dir_Y
    d. go to directory dir_Y
    e. go to a directory that is one level up.