Tlemcen University
Faculty of Science
Computer Science Department
1st Year Engineer

Academic year: 2023-2024
Introduction to operating systems 1

TP n°1: Additional Exercises

Exercise n° 1

Give the corresponding command(s) for each of the following actions:

1) In your home directory, create a folder called **System**.

2) Remaining in your home directory, create the folders **tp1**, **tp2** and **tp3** in the directory **System** using a single command.

3) Move to the directory **System**.

4) Create the directories **tp4**, **tp5** and **tp6** using a single command.

5) What difference(s) do you see between the commands used to create the directories in question 2) and question 4)?

6) Remaining in the directory **System**, use a single command to create a folder called **Exam**, itself containing the directories **Ctrl1** and **Ctrl2**.

7) If you gave 3 arguments to the previous command in (question 6), try doing the same action with only 2 arguments (and using an option in addition to the arguments).

8) Give the result of these actions in the form of a tree structure.

Exercise n° 2

Following the previous exercise, you are still in the directory **System**.

1) Move to the directory **Ctrl1** with a single command.

2) Use the **cd** command without parameters. Where do you end up (in which directory)?

3) Move to the directory **Ctrl1** and go to **Ctrl1**'s "grandparent" directory, i.e. in the directory **System** using:

   a) a relative path

   b) an absolute path

Exercise n° 3

Following the previous exercise, you move to the directory **Exam**.

1) Create the empty files called **exam1.txt**, **exam2.txt** and **exam3.txt** using a single command.

2) Create a directory called **Evaluation**.

3) Rename the directory **Evaluation** to **Controls**.

4) Move the files **Exam1.txt**, **Exam2.txt** and **Exam3.txt** into the directory **Controls**.

5) Move to the directory **Controls** and copy all the files to the directory **Ctrl1**.

6) Move to the directory **Ctrl1** and create the files **Question1.txt**, **Question2.txt** and **Question3.txt**.

7) You are in the directory **Ctrl1**, try removing the directory **Controls** using the command **rmdir**.

8) Remove the directory **Ctrl2**.

9) Move to the directory **System** and using a single command, duplicate the directory **Ctrl1** and everything it contains under the name **Ctrl2**.

10) Move to the directory **Ctrl2** and remove all the files whose names begin with **Exam** using a metacharacter.

11) Create a hidden file called **Results.txt**.

12) Display all the files in the directory **Ctrl2** with the hidden files and in long format.

13) Remove the directory **Ctrl1** and everything in it using a single command.