

## Basic Linux Commands

## Working with files and folders

- ▶ print the content of the current folder

```
ls
```

```
ls -l //print more information (e.g. access rights)
```

- ▶ help

```
man ls //print information about ls
```

## Working with files and folders

- ▶ print the name of the current(working) folder

```
pwd
```

- ▶ create a folder

```
mkdir folder_name
```

- ▶ change the current folder

```
cd folder?
```

## Working with files and folders

- ▶ `cd folder?`

```
cd /home/student //absolute path
```

```
mkdir test
```

```
cd test //relative path
```

```
mkdir newTest
```

```
cd newTest
```

```
cd .. //change to parent folder
```

```
pwd //print test
```

```
pwd
```

```
cd ./newTest //another working folder
```



## Working with files and folders

- remove a file or folder

```
rm -r folder_name  
rm file_name
```

- rename a file or folder

```
mv old_name new_name
```



## Exercises - I

1. Create the following folders in the current working folder:

```
/test/test1/test11  
/test/test1/test12  
/test/test2/test21  
/test/test2/test22
```

- a. using cd
- b. without using cd

2. Remove the folder test21, the working folder being test

- a. using an absolute path
- b. using a relative path

3. Print the content of the folder test, as well as its subfolders

- a. using cd
- b. without using cd



## Exercises - II

```
/test/test1/test11  
/test/test1/test12  
/test/test2/test21  
/test/test2/test22
```

4. Rename the folder test22 with newTest.

5. Check that the last operation has been performed.



## Working with files

- create a file

```
editors: emacs, vi, nano, gedit  
touch nume_fisier  
mc - Shift+F4
```

- mc - Midnight Commander

```
start -> Application -> Accessories -> Terminal  
-> type mc
```



## Start an application

- ▶ Application -> Accessories -> Terminal

`application_name &`  
& is used in order to be able to start different applications in the same terminal



## Miscellaneous

`CTRL-O`

allows to switch context between mc and command line

`TAB`

used for auto-complete

`cd C + TAB`

if there is a folder whose name starts with C, its name is auto-completed



## Exercices - III

6. Perform the Exercises 1..5 using mc.



## Compile/Run a Java program

`javac file_name`

`java class_name`

`class_name` is a class defined in `file_name`