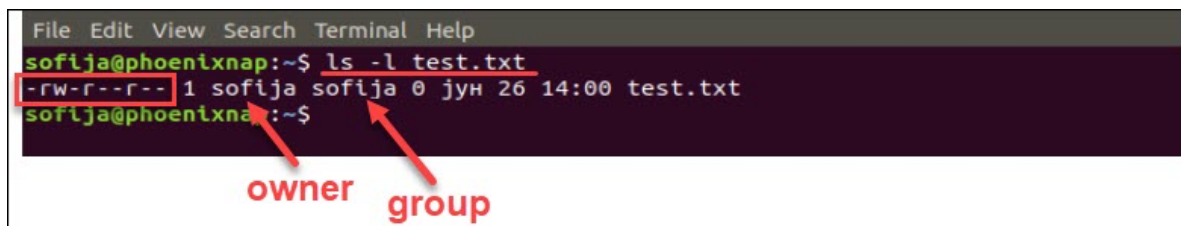


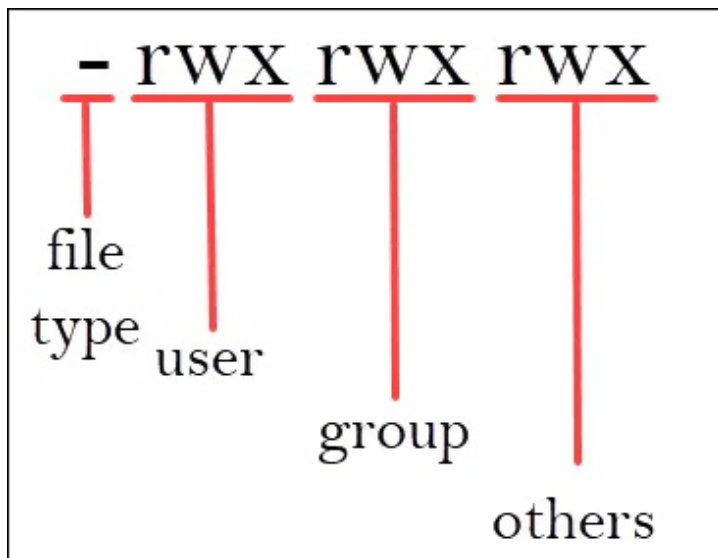
## [ΦΥΣ140] Tutorial 1

- logon
  - passwd
- Commands
  - **pwd**
  - **man [cmd]**
  - **ls**
    - ♦ directory structure
    - ♦ content type
    - ♦ permissions
  - **mkdir**
    - ♦ `mkdir test1/test2/test3`
    - ♦ `mkdir -p test1/test2/test3`
      - ♦ **`rm -r test1/`**
    - ♦ `mkdir -p test1/test2/test3`
      - ♦ **`rm -rf test1`**
  - **touch**
    - ♦ `touch filename.txt`
      - ♦ `rm filename.txt`
    - ♦ `touch filename.txt`
      - ♦ `rm -f filename.txt`
    - ♦ `touch test1.txt test2.txt test3.txt`
      - ♦ `rm -f test*.txt`
    - ♦ **BE CAREFUL!**
  - **chmod [άδειες αρχείων]**
    - ♦ `chmod u=rwx,g=rwx,o=rwx test1.txt`
    - ♦ `chmod u=rwx,g=rx,o=r test2.txt`
    - ♦ `chmod u=g,o= test3.txt`



```
File Edit View Search Terminal Help
sofiya@phoenixnap:~$ ls -l test.txt
-rw-r--r-- 1 sofiya sofiya 0 jyh 26 14:00 test.txt
sofiya@phoenixnap:~$
```

owner group



- **cat [add content to file]**
  - ◆ cat > test1.txt
    - ◆ [MY TEXT GOES HERE]
    - ◆ Ctrl+D
  - ◆ cat > test2.txt
    - ◆ [MY TEXT GOES HERE]
    - ◆ Ctrl+D
- **emacs**
  - ◆ emacs -nw test1.txt. -> add name, save, exit
  - ◆ emacs -nw test2.txt -> add surname, save, exit
- **cat [view content]**
  - ◆ cat test1.txt
  - ◆ cat test2.txt
  - ◆ cat test3.txt
- **history**
- **Redirection of output:**
  - ◆ ls -lt > ls1.txt
    - ◆ cat ls1.txt
  - ◆ ls -lt > ls2.txt
    - ◆ cat ls2.txt
  - ◆ ls -lt >> ls2.txt
    - ◆ cat ls2.txt
- **diff**
  - ◆ diff ls1.txt ls2.txt
- **top -b -n 1 > topfile.txt**
  - ◆ cat topfile.txt
  - ◆ less topfile.txt
  - ◆ cat topfile.txt | more
  - ◆ tail topfile.txt [Print the last 10 lines of each FILE to standard output]
  - ◆ tail -2 topfile.txt

- ♦ tail -f topfile.txt
- ♦ head topfile.txt [ Print the first 10 lines of each FILE to standard output.]
- ♦ head -30 topfile.txt
- **cp**
  - ♦ cp test1.txt newtest1.txt
  - ♦ mkdir dir1
    - ♦ cp dir1 newdir1
    - ♦ cp -r dir1 newdir
  - ♦ mkdir -p dir1/dir2/dir3
    - ♦ cp -r dir1 newdir1
- **mv**
  - ♦ touch tmp.out
  - ♦ mv tmp.out lalala.out
  - ♦ mv lalala.out lalala.txt
- **ls [advanced]**
  - ♦ touch v.log w.log x.log y.log z.log
  - ♦ ls
  - ♦ ls | sort
  - ♦ ls | sort | grep test
  - ♦ ls | grep log
  - ♦ ls | sort | grep log
    - ♦ piipeliPIPES provide
- **find**
  - ♦ cat > x.log
    - ♦ add your surname
  - ♦ find . -name "\*.log" | xargs grep surname
- **tar**
  - ♦ tar -cvzf tutoriial1.tgz \*.txt
  - ♦ FIX PERMISSIONS and retry
  - ♦ chmod u=rwx,g=rwx,o=rwx \*.txt && tar -cvzf tutoriial1.tgz \*.txt
  - ♦ ls -lt
  - ♦ mkdir tutorial1
  - ♦ mv tutorial1.tgz tutorial1/.
  - ♦ cd tutorial1
  - ♦ tar xvzf tutoriial1.tgz