Fundamentos de Sistemas de Operação

MIEI 2018/2019

Laboratory session 4

Objectives

Enhance a command interpreter (*shell*) with IO redirection.

Conclude laboratory session 3

Add to your shell all the features proposed in laboratory session 3.

Redirecting the standard IO

We want to add to our shell the ability to execute commands with redirected output and/or input to files. For that purpose, the user can write a command line such as:

```
command arguments > filename
```

to inform that the standard output of the process running the command should be redirected to the file `filename`. Similarly, a command line such as:

```
command arguments < filename
```

must execute the command with its standard input redirected to the file `filename`.

Bibliography

Check section 5.4 from OSTEP book (ostep.org)
Read reference manuals (*man*) for `open,` `close,` and `dup/dup2.`