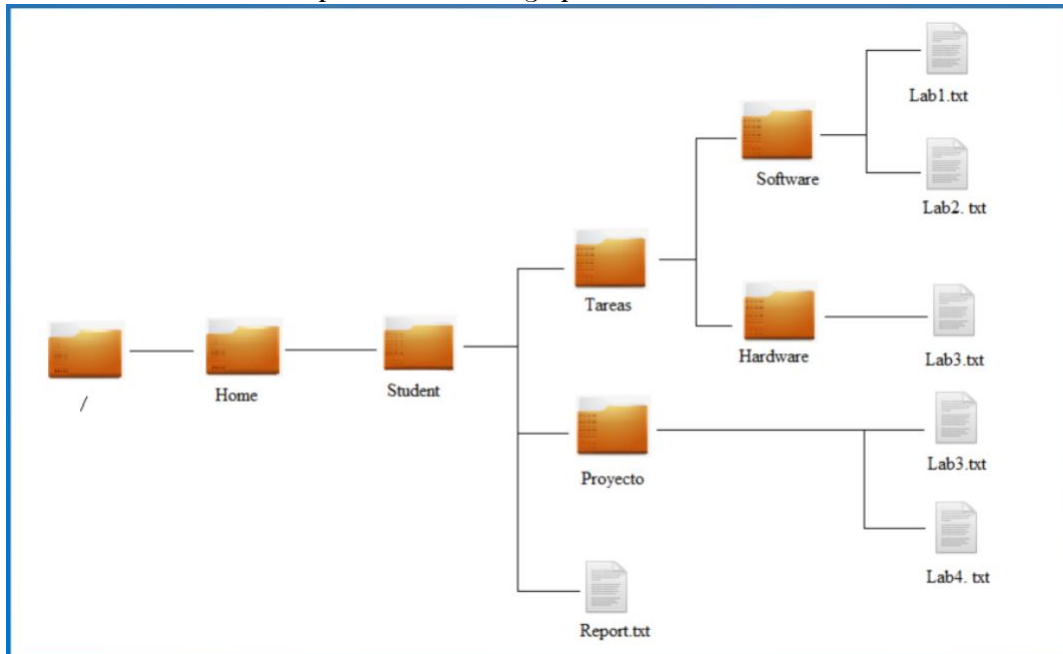# Verificación pre-silicio Primavera 2022

Lab#2: Linux introduction

Professor: **Rogelio Hernández Hernández**
Work made by: **Christian Aaron Ortega Blanco**
Hermosillo, Son. 24 de mayo de 2022.

Fallow the points of the activity in order to understand the basics of the Linux interface.

1. Make the file tree that represents the image presented in class.

Procedure:

Enter in the home directory

```
chris@DESKTOP-8LCLCKD /
$ cd /home
```

List the content on /home

```
chris@DESKTOP-8LCLCKD
$ ls
Student
```

Enter into the student directory

```
chris@DESKTOP-8LCLCKD
$ cd Student
```

Professor: **Rogelio Hernández Hernández**
Work made by: **Christian Aaron Ortega Blanco**
Hermosillo, Son. 24 de mayo de 2022.

Create directions Tareas & Proyecto

```
chris@DESKTOP-8LCLCKD
$ mkdir Tareas

chris@DESKTOP-8LCLCKD
$ mkdir Proyecto
```

Generate a txt file called Report.txt

```
chris@DESKTOP-8LCLCKD
$ touch Report.txt
```

list the resulting content

```
chris@DESKTOP-8LCLCKD /cygdrive/c/cygwin64/home/Student
$ ls
Proyecto   Report.txt   Tareas
```

Enter to /Tareas

```
chris@DESKTOP-8LCLCKD
$ cd Tareas
```

Create directions Software & Hardware

```
chris@DESKTOP-8LCLCKD
$ mkdir Software

chris@DESKTOP-8LCLCKD
$ mkdir Hardware
```

List the result

```
chris@DESKTOP-8LCLCKD /cygdrive/c/cygwin64/home/Student/Tareas
$ ls
Hardware   Software
```

Verificación pre-silicio Primavera 2022

Lab#2: Linux introduction

Professor: **Rogelio Hernández Hernández**
Work made by: **Christian Aaron Ortega Blanco**
Hermosillo, Son. 24 de mayo de 2022.

Go to Software

```
chris@DESKTOP-8LCLCKD
$ cd Software
```

Create the files Lab1.txt & Lab2.txt

```
chris@DESKTOP-8LCLCKD
$ touch Lab1.txt

chris@DESKTOP-8LCLCKD
$ touch Lab2.txt
```

List the result

```
chris@DESKTOP-8LCLCKD /cygdrive/c/cygwin64/home/Student/Tareas/Software
$ ls
Lab1.txt   Lab2.txt
```

Go one step back from Software

```
chris@DESKTOP-8LCLCKD
$ cd ..
```

Enter in the Hardware direction

```
chris@DESKTOP-8LCLCKD
$ cd Hardware
```

Create a Lab3 file

```
chris@DESKTOP-8LCLCKD
$ touch Lab3.txt
```

Go home

```
chris@DESKTOP-8LCLCKD
$ cd /home
```

Go Student

```
chris@DESKTOP-8LCLCKD /home
$ cd Student
```

Go project

```
chris@DESKTOP-8LCLCKD /home/Student
$ cd Proyecto
```

Lab#2: Linux introduction

Professor: **Rogelio Hernández Hernández**
Work made by: **Christian Aaron Ortega Blanco**
Hermosillo, Son. 24 de mayo de 2022.

Create Lab3 & Lab4 files.

```
chris@DESKTOP-8LCLCKD
$ touch Lab3.txt

chris@DESKTOP-8LCLCKD
$ touch Lab4.txt
```

Verificación pre-silicio Primavera 2022

Lab#2: Linux introduction

Professor: **Rogelio Hernández Hernández**
Work made by: **Christian Aaron Ortega Blanco**
Hermosillo, Son. 24 de mayo de 2022.

2. Do the fallowing steps
   A. Use relative and absolute paths to navigate inside the tree.
      cd /home/.. to navigate with absolute paths.
      cd [present directions] to navigate with relative paths.

```
chris@DESKTOP-8LCLCKD /home
$ cd Student/Tareas/Hardware

chris@DESKTOP-8LCLCKD /home/Student/Tareas/Hardware
$ cd /home/Student/Proyecto

chris@DESKTOP-8LCLCKD /home/Student/Proyecto
$
```

   B. Copy hardware directory into project directory.
      cp -r to copy entire directories.

```
chris@DESKTOP-8LCLCKD /home/Student
$ cd Tareas

chris@DESKTOP-8LCLCKD /home/Student/Tareas
$ ls
Hardware   Software

chris@DESKTOP-8LCLCKD /home/Student/Tareas
$ cp -r Hardware /home/Student/Proyecto
```

Verificación pre-silicio Primavera 2022

Lab#2: Linux introduction

Professor: **Rogelio Hernández Hernández**
Work made by: **Christian Aaron Ortega Blanco**
Hermosillo, Son. 24 de mayo de 2022.

```
chris@DESKTOP-8LCLCKD /home/Student/Proyecto
$ ls
Hardware   Lab3.txt   Lab4.txt

chris@DESKTOP-8LCLCKD /home/Student/Proyecto
$ cd Hardware

chris@DESKTOP-8LCLCKD /home/Student/Proyecto/Hardware
$ ls
Lab3.txt
```

C. Delete the original hardware directory.
   rm -r to remove entire directories.

```
chris@DESKTOP-8LCLCKD /home/Student/Tareas
$ ls
Hardware   Software

chris@DESKTOP-8LCLCKD /home/Student/Tareas
$ rm -r Hardware

chris@DESKTOP-8LCLCKD /home/Student/Tareas
$ ls
Software
```

D. Go back to home directory and list the present files.

```
chris@DESKTOP-8LCLCKD /home/Student/Tareas
$ cd /home

chris@DESKTOP-8LCLCKD /home
$ ls
Student
```

E. Now list all files.
   Ls -a to list all directions on the current path.

```
chris@DESKTOP-8LCLCKD /home
$ ls -a
.   ..   Student
```

F. View the content of the student directory in detail without changing the working

Verificación pre-silicio Primavera 2022

Lab#2: Linux introduction

Professor: **Rogelio Hernández Hernández**
Work made by: **Christian Aaron Ortega Blanco**
Hermosillo, Son. 24 de mayo de 2022.

directory.

G. View the tree of files contained in Software with Absolut path

3. Use 'man' command for looking information about these commands and their options.

Verificación pre-silicio Primavera 2022
Lab#2: Linux introduction

Professor: **Rogelio Hernández Hernández**
Work made by: **Christian Aaron Ortega Blanco**
Hermosillo, Son. 24 de mayo de 2022.

```
/home/Student/Proyecto
CAT(1)                                                                          User Commands

                                            CAT(1)

NAME
       cat - concatenate files and print on the standard output

SYNOPSIS
       cat [OPTION]... [FILE]...

DESCRIPTION
       Concatenate FILE(s) to standard output.

       With no FILE, or when FILE is -, read standard input.

       -A, --show-all
              equivalent to -vET

       -b, --number-nonblank
              number nonempty output lines, overrides -n

       -e     equivalent to -vE

       -E, --show-ends
              display $ at end of each line

       -n, --number
              number all output lines

       -s, --squeeze-blank
              suppress repeated empty output lines

       -t     equivalent to -vT

       -T, --show-tabs
              display TAB characters as ^I

       -u     (ignored)

       -v, --show-nonprinting
              use ^ and M- notation, except for LFD and TAB

       --help display this help and exit

       --version
              output version information and exit

EXAMPLES
       cat f - g
              Output f's contents, then standard input, then g's contents.

       cat    Copy standard input to standard output.

AUTHOR
       Written by Torbjorn Granlund and Richard M. Stallman.

REPORTING BUGS
       GNU coreutils online help: <http://www.gnu.org/software/coreutils/>
       Report cat translation bugs to <http://translationproject.org/team/>

SEE ALSO
       tac(1)

       Full documentation at: <http://www.gnu.org/software/coreutils/cat>
       or available locally via: info '(coreutils) cat invocation'

       Packaged by Cygwin (8.26-2)
       Copyright © 2016 Free Software Foundation, Inc.
       License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>.
       This is free software: you are free to change and redistribute it.
       There is NO WARRANTY, to the extent permitted by law.

GNU coreutils 8.26                                                              November 2016
                                            CAT(1)
~
```

Verificación pre-silicio Primavera 2022
Lab#2: Linux introduction

Professor: **Rogelio Hernández Hernández**
Work made by: **Christian Aaron Ortega Blanco**
Hermosillo, Son. 24 de mayo de 2022.