



Carátula para entrega de prácticas

Facultad de Ingeniería

Laboratorio de docencia

Laboratorios de computación salas A y B

Profesor: Alejandro Esteban Pimentel Alarcon

Asignatura: Fundamentos de Programación

Grupo: 3

No. de practica: 2

Integrantes: Lucia Nicole Rosette Hernández

No. de Equipo de cómputo empleado:

No. de lista o Brigada: 420052768

Semestre: 1

Fecha de entrega: agosto 26, 2019

Observaciones:

CALIFICACIÓN:

En la primera parte de la práctica aprendimos a darle órdenes al operador, tal como: la fecha, el usuario y en dónde estamos operando. Después, usamos el comando “cd” para movernos entre las carpetas. Posteriormente vimos diferentes comandos para archivos y cómo crear una nueva carpeta.

Igualmente, vimos la diferencia entre las listas del comando “ls” y “ls -al”.

De la misma manera que vimos la diferencia entre las listas, aprendimos las diferentes maneras de examinar archivos. Para esto abrimos un libro en la consola y usamos los comandos “echo, cat, more, less y grep felicidad” y observamos las diferencias entre cada uno.

Al final, aprendimos como mandar la salida de un comando al archivo deseado en lugar de usar la salida estándar.

```
alumno — -bash — 104x67
Last login: Mon Aug 19 09:09:07 on console
[Tonga51:~ alumno$ comando -opciones argumentos
-bash: comando: command not found
[Tonga51:~ alumno$ comando -opciones date
-bash: comando: command not found
[Tonga51:~ alumno$ comando -opciones date
-bash: comando: command not found
[Tonga51:~ alumno$ date
Mon Aug 19 09:20:15 CDT 2019
[Tonga51:~ alumno$ whoami
alumno
[Tonga51:~ alumno$ pwd
/Users/alumno
[Tonga51:~ alumno$ cd USER
-bash: cd: USER: No such file or directory
[Tonga51:~ alumno$ cd /USER/
-bash: cd: /USER/: No such file or directory
[Tonga51:~ alumno$ cd /user
-bash: cd: /user: No such file or directory
[Tonga51:~ alumno$ cd > user
[Tonga51:~ alumno$ cd /Users/
[Tonga51:Users alumno$ cd ..
[Tonga51:/ alumno$ cd
[Tonga51:~ alumno$ pwb
-bash: pwb: command not found
[Tonga51:~ alumno$ pwd
/Users/alumno
[Tonga51:~ alumno$ touch archivo1.txt
[Tonga51:~ alumno$ touch archivo2.txt
[Tonga51:~ alumno$ rm archivo1.txt
[Tonga51:~ alumno$ cp archivo2.txt
usage: cp [-R [-H | -L | -P]] [-fi | -n] [-apvXc] source_file target_file
       cp [-R [-H | -L | -P]] [-fi | -n] [-apvXc] source_file ... target_directory
[Tonga51:~ alumno$ cp archivo2.txt ..
cp: ../archivo2.txt: Permission denied
[Tonga51:~ alumno$ cp archivo2.txt..
usage: cp [-R [-H | -L | -P]] [-fi | -n] [-apvXc] source_file target_file
       cp [-R [-H | -L | -P]] [-fi | -n] [-apvXc] source_file ... target_directory
[Tonga51:~ alumno$ cp archivo2.txt archivo1.txt
[Tonga51:~ alumno$ mv archivo1.txt..
usage: mv [-f | -i | -n] [-v] source target
       mv [-f | -i | -n] [-v] source ... directory
[Tonga51:~ alumno$ mv archivo2.txt archivo3.txt
[Tonga51:~ alumno$ mkdir carpeta
[Tonga51:~ alumno$ ls
Desktop      Library      archivo3.txt
Documents    Pictures     carpeta
Downloads    archivo1.txt user
[Tonga51:~ alumno$ ls -al
total 16
drwxr-xr-x+ 14 alumno staff 448 Aug 19 09:51 .
drwxr-xr-x  6 root  admin 192 Jul 24 16:25 ..
-rw-r--r--@  1 alumno staff 6148 Aug 19 09:15 .DS_Store
drwx-----  2 alumno staff  64 Aug 19 09:10 .Trash
drwx-----  3 alumno staff  96 Aug 19 09:15 .bash_sessions
drwx-----  2 alumno staff  64 Aug 19 09:10 Desktop
drwx-----  2 alumno staff  64 Aug 19 09:15 Documents
drwx-----  2 alumno staff  64 Aug 19 09:09 Downloads
drwx-----@ 35 alumno staff 1120 Aug 19 09:39 Library
drwx-----+  3 alumno staff  96 Aug 16 09:44 Pictures
-rw-r--r--  1 alumno staff   0 Aug 19 09:49 archivo1.txt
-rw-r--r--  1 alumno staff   0 Aug 19 09:45 archivo3.txt
drwxr-xr-x  2 alumno staff  64 Aug 19 09:51 carpeta
-rw-r--r--  1 alumno staff   0 Aug 19 09:23 user
[Tonga51:~ alumno$ cp archivo2.txt carpeta
cp: archivo2.txt: No such file or director
[Tonga51:~ alumno$ cp archivo3.txt carpeta
```

Screenshot

```
alumno — less - man ls — 104x67

LS(1)                                BSD General Commands Manual                                LS(1)

NAME
  ls -- list directory contents

SYNOPSIS
  ls [-ABCFGHLOPRSTUW@abcdefghiklmnopqrstuwx1] [file ...]

DESCRIPTION
  For each operand that names a file of a type other than directory, ls displays its name as well as any requested, associated information. For each operand that names a file of type directory, ls displays the names of files contained within that directory, as well as any requested, associated information.

  If no operands are given, the contents of the current directory are displayed. If more than one operand is given, non-directory operands are displayed first; directory and non-directory operands are sorted separately and in lexicographical order.

  The following options are available:

  -@      Display extended attribute keys and sizes in long (-l) output.

  -1      (The numeric digit 'one'.) Force output to be one entry per line. This is the default when output is not to a terminal.

  -A      List all entries except for . and ... Always set for the super-user.

  -a      Include directory entries whose names begin with a dot (.).

  -B      Force printing of non-printable characters (as defined by ctype(3) and current locale settings) in file names as \xxx, where xxx is the numeric value of the character in octal.

  -b      As -B, but use C escape codes whenever possible.

  -C      Force multi-column output; this is the default when output is to a terminal.

  -c      Use time when file status was last changed for sorting (-t) or long printing (-l).

  -d      Directories are listed as plain files (not searched recursively).

  -e      Print the Access Control List (ACL) associated with the file, if present, in long (-l) output.

  -F      Display a slash ('/') immediately after each pathname that is a directory, an asterisk ('*') after each that is executable, an at sign ('@') after each symbolic link, an equals sign ('=') after each socket, a percent sign (%) after each whiteout, and a vertical bar ('|') after each that is a FIFO.

  -f      Output is not sorted. This option turns on the -a option.

  -G      Enable colorized output. This option is equivalent to defining CLICOLOR in the environment. (See below.)

  -g      This option is only available for compatibility with POSIX; it is used to display the group name in the long (-l) format output (the owner name is suppressed).

  -H      Symbolic links on the command line are followed. This option is assumed if none of the -F, -d, or -l options are specified.

  -h      When used with the -l option, use unit suffixes: Byte, Kilobyte, Megabyte, Gigabyte, Terabyte and Petabyte in order to reduce the number of digits to three or less using base 2 for sizes.
```

Screenshot

Note that the above are standard ANSI colors. The actual display may differ depending on the color capabilities of the terminal in use.

The order of the attributes are as follows:

1. directory
2. symbolic link
3. socket
4. pipe
5. executable
6. block special
7. character special
8. executable with setuid bit set
9. executable with setgid bit set
10. directory writable to others, with sticky bit
11. directory writable to others, without sticky bit

The default is "exfxcxdxbxegedabagacad", i.e. blue foreground and default background for regular directories, black foreground and red background for setuid executables, etc.

LS_COLWIDTHS If this variable is set, it is considered to be a colon-delimited list of minimum column widths. Unreasonable and insufficient widths are ignored (thus zero signifies a dynamically sized column). Not all columns have changeable widths. The fields are, in order: inode, block count, number of links, user name, group name, flags, file size, file name.

TERM The CLICOLOR functionality depends on a terminal type with color capabilities.

TZ The timezone to use when displaying dates. See environ(7) for more information.

COMPATIBILITY

The group field is now automatically included in the long listing for files in order to be compatible with the IEEE Std 1003.2 ('POSIX.2') specification.

LEGACY DESCRIPTION

In legacy mode, the `-f` option does not turn on the `-a` option and the `-g`, `-n`, and `-o` options do not turn on the `-l` option.

Also, the `-o` option causes the file flags to be included in a long (`-l`) output; there is no `-O` option.

When `-H` is specified (and not overridden by `-L` or `-P`) and a file argument is a symlink that resolves to a non-directory file, the output will reflect the nature of the link, rather than that of the file. In legacy operation, the output will describe the file.

For more information about legacy mode, see compat(5).

SEE ALSO

chflags(1), chmod(1), sort(1), xterm(1), compat(5), termcap(5), symlink(7), sticky(8)

STANDARDS

The `ls` utility conforms to IEEE Std 1003.1-2001 ('POSIX.1').

HISTORY

An `ls` command appeared in Version 1 AT&T UNIX.

BUGS

To maintain backward compatibility, the relationships between the many options are quite complex.

BSD

(END)

May 19, 2

Screenshot

BSD


```
alumno — -bash — 104x67
-rw-r--r--  1 alumno  staff   0 Aug 19 09:23 user
Tonga51:~ alumno$ cp archivo2.txt carpeta
cp: archivo2.txt: No such file or directory
Tonga51:~ alumno$ cp archivo3.txt carpeta
Tonga51:~ alumno$
Tonga51:~ alumno$ man ls
No manual entry for ls
Tonga51:~ alumno$ man ls
Tonga51:~ alumno$ echo /Users/alumno/Downloads/Libro.txt
/Users/alumno/Downloads/Libro.txt
Tonga51:~ alumno$ cat /Users/alumno/Downloads/Libro.txt
Project Gutenberg's El paraiso de las mujeres, by Vicente Blasco Ibanez

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Title: El paraiso de las mujeres
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Author: Vicente Blasco Ibanez

Release Date: January 24, 2004 [EBook #10822]

Language: Spanish

Character set encoding: ISO Latin-1

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VICENTE BLASCO IBAÑEZ


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DE LAS
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Screenshot

```
alumno — -bash — 104x67

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Tonga51:~ alumno$
```

Screenshot

```
alumno — more ~/Downloads/Libro.txt — 104x67
[Tonga51:~ alumno$
[Tonga51:~ alumno$ more /Users/alumno/Downloads/Libro.txt
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[Tonga51:~ alumno$ grep felicidad /Users/alumno/Downloads/Libro.txt
]
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muerte, como si de esto dependiese la felicidad nacional. Además, el
placeres dentro de la vida doméstica y una felicidad pasiva en sentirse
nuestras desdichas y de nuestras felicidades. No podemos existir sin la
al fin triunfaremos, consiguiendo nuestra felicidad.
mujeres que concentran su felicidad y su porvenir en un hombre,
quiero un poco y me intereso por su felicidad.... ¿Por qué no hablar más
aquel papelillo que contenía todo un
]
Tonga51:~ alumno$
```

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```
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aquel papelillo que contenía todo un mundo de felicidad.
[Tonga51:~ alumno$
[Tonga51:~ alumno$ date > ahora.txt
[Tonga51:~ alumno$ date >> ahora.txt
[Tonga51:~ alumno$ date
Mon Aug 19 10:36:30 CDT 2019
Tonga51:~ alumno$
```

Screenshot