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1. .

2. : 2.1. /tmp. 2.2.  
/tmp. ls .  
2.3. , /var/spool cron? 2.4. ?

3. : 3.1. newdir. 3.2.  
~/newdir morefun. 3.3.  
letters, memos, misk. .  
3.4. ~/newdir rm. , .  
3.5. ~/newdir/morefun . , .

4. man , ls - .

5. man , ls, - .

6. man : cd, pwd, mkdir, rmdir, rm. .

7. , history, - .

man cron, . ,  
newdir  
man ls, cd, pwd, mkdir, rmdir, rm.  
: ls . ls -l ,  
, , , . ls -F .

[ man ls](image/3.png  
man , ls  
, , . : -R, -recursive list subdirectories  
recursively  
man ls,  
. : -time-style=TIME STYLE  
-t -T -u

```

[zalinaarsoeva@fedora ~]$ pwd
/home/zalinaarsoeva
[zalinaarsoeva@fedora ~]$ cd /tmp
[zalinaarsoeva@fedora tmp]$ ls
systemd-private-d1025455710b4ad59cd5f63805b9be1b-chronyd.service-zUciQr
systemd-private-d1025455710b4ad59cd5f63805b9be1b-colord.service-kMR8bo
systemd-private-d1025455710b4ad59cd5f63805b9be1b-dbus-broker.service-HIWbLG
systemd-private-d1025455710b4ad59cd5f63805b9be1b-geoclue.service-zJWIR8
systemd-private-d1025455710b4ad59cd5f63805b9be1b-low-memory-monitor.service-hIzohu
systemd-private-d1025455710b4ad59cd5f63805b9be1b-ModemManager.service-871MaS
systemd-private-d1025455710b4ad59cd5f63805b9be1b-power-profiles-daemon.service-9MEHZ8
systemd-private-d1025455710b4ad59cd5f63805b9be1b-rtkit-daemon.service-mclIAb
systemd-private-d1025455710b4ad59cd5f63805b9be1b-switcheroo-control.service-p79z55
systemd-private-d1025455710b4ad59cd5f63805b9be1b-systemd-logind.service-ptAF0A
systemd-private-d1025455710b4ad59cd5f63805b9be1b-systemd-oomd.service-b1B0Q0
systemd-private-d1025455710b4ad59cd5f63805b9be1b-systemd-resolved.service-aJfIbU
systemd-private-d1025455710b4ad59cd5f63805b9be1b-upower.service-8f70Lh
Temp-e618761f-d03f-4162-a4a0-2bcb285cc536
[zalinaarsoeva@fedora tmp]$ ls gimp
ls: невозможно получить доступ к 'gimp': Нет такого файла или каталога
[zalinaarsoeva@fedora tmp]$ ls /val/spool
ls: невозможно получить доступ к '/val/spool': Нет такого файла или каталога
[zalinaarsoeva@fedora tmp]$ cd cron
bash: cd: cron: Нет такого файла или каталога
[zalinaarsoeva@fedora tmp]$ cd /val/spool
bash: cd: /val/spool: Нет такого файла или каталога
[zalinaarsoeva@fedora tmp]$ cd ~
[zalinaarsoeva@fedora ~]$ ls
lab  temp  work  Документы  Изображения  Общедоступные  Шаблоны
tar  ttt   Видео  Загрузки  Музыка      'Рабочий стол'

```

Figure 1:

ls

```

[zalinaarsoeva@fedora tmp]$ cd ~
[zalinaarsoeva@fedora ~]$ ls
lab  temp  work  Документы  Изображения  Общедоступные  Шаблоны
tap  ttt  Видео  Загрузки  Музыка  'Рабочий стол'
[zalinaarsoeva@fedora ~]$ mkdir newdir
[zalinaarsoeva@fedora ~]$ cd ~
[zalinaarsoeva@fedora ~]$ ls
lab  tap  ttt  Видео  Загрузки  Музыка  'Рабочий стол'
newdir  temp  work  Документы  Изображения  Общедоступные  Шаблоны
[zalinaarsoeva@fedora ~]$ cd newdir
[zalinaarsoeva@fedora newdir]$ mkdir morefun
[zalinaarsoeva@fedora newdir]$ ls
morefun
[zalinaarsoeva@fedora newdir]$ cd
[zalinaarsoeva@fedora ~]$ mkdir letters, memos, misk
[zalinaarsoeva@fedora ~]$ ls
lab  memos,  newdir  temp  work  Документы  Изображения  Общедоступные  Шаблоны
letters,  misk  tap  ttt  Видео  Загрузки  Музыка  'Рабочий стол'
[zalinaarsoeva@fedora ~]$ rm -r letters, memos, misk
[zalinaarsoeva@fedora ~]$ ls
lab  tap  ttt  Видео  Загрузки  Музыка  'Рабочий стол'
newdir  temp  work  Документы  Изображения  Общедоступные  Шаблоны
[zalinaarsoeva@fedora ~]$ cd
[zalinaarsoeva@fedora ~]$ rm -r newdir
[zalinaarsoeva@fedora ~]$ ls
lab  temp  work  Документы  Изображения  Общедоступные  Шаблоны
tap  ttt  Видео  Загрузки  Музыка  'Рабочий стол'

```

Figure 2:

man : cd, pwd, mkdir, rmdir, rm.

: cd – . pwd – ,

. mkdir – , . rmdir – , ,

. rm – , .

, history,

```

BASH_BUILTINS(1)                                General Commands Manual                                BASH_BUILTINS(1)

NAME
bash, :, ., [, alias, bg, bind, break, builtin, caller, cd, command, compgen, complete, compopt, con-
tinue, declare, dirs, disown, echo, enable, eval, exec, exit, export, false, fc, fg, getopts, hash,
help, history, jobs, kill, let, local, logout, mapfile, popd, printf, pushd, pwd, read, readonly, re-
turn, set, shift, shopt, source, suspend, test, times, trap, true, type, typeset, ulimit, umask, una-
lias, unset, wait - bash built-in commands, see bash(1)

BASH BUILTIN COMMANDS
Unless otherwise noted, each builtin command documented in this section as accepting options preceded by
- accepts -- to signify the end of the options. The :, true, false, and test/[ builtins do not accept
options and do not treat -- specially. The exit, logout, return, break, continue, let, and shift
builtins accept and process arguments beginning with - without requiring --. Other builtins that accept
arguments but are not specified as accepting options interpret arguments beginning with - as invalid op-
tions and require -- to prevent this interpretation.
: [arguments]
    No effect; the command does nothing beyond expanding arguments and performing any specified redi-
    rections. The return status is zero.

. filename [arguments]
source filename [arguments]
    Read and execute commands from filename in the current shell environment and return the exit sta-
    tus of the last command executed from filename. If filename does not contain a slash, filenames
    in PATH are used to find the directory containing filename. The file searched for in PATH need
    not be executable. When bash is not in posix mode, the current directory is searched if no file
    is found in PATH. If the sourcepath option to the shopt builtin command is turned off, the PATH
    is not searched. If any arguments are supplied, they become the positional parameters when file-
name is executed. Otherwise the positional parameters are unchanged. If the -T option is en-
    abled, source inherits any trap on DEBUG; if it is not, any DEBUG trap string is saved and re-
    stored around the call to source, and source unsets the DEBUG trap while it executes. If -T is
    not set, and the sourced file changes the DEBUG trap, the new value is retained when source com-
    pletes. The return status is the status of the last command exited within the script (0 if no
    commands are executed), and false if filename is not found or cannot be read.

alias [-p] [name=value] ...]
    Alias with no arguments or with the -p option prints the list of aliases in the form alias
Manual page cd(1) line 1 (press h for help or q to quit)

```

Figure 3: man cd

```
PWD(1)                                User Commands                                PWD(1)

NAME
    pwd - print name of current/working directory

SYNOPSIS
    pwd [OPTION]...

DESCRIPTION
    Print the full filename of the current working directory.

    -L, --logical
        use PWD from environment, even if it contains symlinks

    -P, --physical
        avoid all symlinks

    --help
        display this help and exit

    --version
        output version information and exit

    If no option is specified, -P is assumed.

    NOTE: your shell may have its own version of pwd, which usually supersedes the version described here.
    Please refer to your shell's documentation for details about the options it supports.

AUTHOR
    Written by Jim Meyering.

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

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    <https://gnu.org/licenses/gpl.html>.

Manual page pwd(1) line 1 (press h for help or q to quit)
```

Figure 4: man pwd



```
MKDIR(1)                                User Commands                                MKDIR(1)

NAME
    mkdir - make directories

SYNOPSIS
    mkdir [OPTION]... DIRECTORY...

DESCRIPTION
    Create the DIRECTORY(ies), if they do not already exist.

    Mandatory arguments to long options are mandatory for short options too.

    -m, --mode=MODE
        set file mode (as in chmod), not a=rwx - umask

    -p, --parents
        no error if existing, make parent directories as needed, with their file modes unaffected by any
        -m option.

    -v, --verbose
        print a message for each created directory

    -Z
        set SELinux security context of each created directory to the default type

    --context[=CTX]
        like -Z, or if CTX is specified then set the SELinux or SMACK security context to CTX

    --help
        display this help and exit

    --version
        output version information and exit

AUTHOR
    Written by David MacKenzie.

REPORTING BUGS
    Manual page mkdir(1) line 1 (press h for help or q to quit)
```

Figure 5: man mkdir

```
RMDIR(1)                                User Commands                                RMDIR(1)

NAME
    rmdir - remove empty directories

SYNOPSIS
    rmdir [OPTION]... DIRECTORY...

DESCRIPTION
    Remove the DIRECTORY(ies), if they are empty.

    --ignore-fail-on-non-empty
        ignore each failure that is solely because a directory
        is non-empty

    -p, --parents
        remove DIRECTORY and its ancestors; e.g., 'rmdir -p a/b/c' is similar to 'rmdir a/b/c a/b a'

    -v, --verbose
        output a diagnostic for every directory processed

    --help
        display this help and exit

    --version
        output version information and exit

AUTHOR
    Written by David MacKenzie.

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

COPYRIGHT
    Copyright © 2021 Free Software Foundation, Inc.  License GPLv3+: GNU GPL version 3 or later
    Manual page rmdir(1) line 1 (press h for help or q to quit)
```

Figure 6: man rmdir

```
RM(1)                                User Commands                                RM(1)

NAME
  rm - remove files or directories

SYNOPSIS
  rm [OPTION]... [FILE]...

DESCRIPTION
  This manual page documents the GNU version of rm.  rm removes each specified file.  By default, it does not remove directories.

  If the -I or --interactive=once option is given, and there are more than three files or the -r, -R, or --recursive are given, then rm prompts the user for whether to proceed with the entire operation.  If the response is not affirmative, the entire command is aborted.

  Otherwise, if a file is unwritable, standard input is a terminal, and the -f or --force option is not given, or the -i or --interactive=always option is given, rm prompts the user for whether to remove the file.  If the response is not affirmative, the file is skipped.

OPTIONS
  Remove (unlink) the FILE(s).

  -f, --force
    ignore nonexistent files and arguments, never prompt

  -i
    prompt before every removal

  -I
    prompt once before removing more than three files, or when removing recursively; less intrusive than -i, while still giving protection against most mistakes

  --interactive[=WHEN]
    prompt according to WHEN: never, once (-I), or always (-i); without WHEN, prompt always

  --one-file-system
    when removing a hierarchy recursively, skip any directory that is on a file system different from that of the corresponding command line argument

Manual page rm(1) line 1 (press h for help or q to quit)
```

Figure 7: man rm

```
[zalinaarsoeva@fedora ~]$ history
```

```
1 cd
2 /tmp$ cd
3 pwd
4 cd Документы
5 cd tmp
6 ls
7 /home/zalinaarsoeva
8 cd
9 pwd
10 cd home
11 cd /home
12 pwd
13 cd
14 pwd
15 ls
16 ls Документы
17 ls home
18 ls /home
19 cd
20 pwd
21 cd
22 mkdir tmp
23 cd
24 mkdir ttt
25 cd ttt
26 pwd
27 cd /tmp
28 pwd
29 cd /ttt
30 cd
31 mkdir tmp
32 cd
33 mkdir tap
34 cd tap
35 pwd
36 cd /tap
37 cd
```

history q

1. ?
2. ?
3. ?
4. ?
5. ?
6. - ? ?
7. ? -
- 8.
- 9.

```
52 rm -i ~/temp
53 rm temp
54 rm /temp
55 rm ~/temp
56 rm -r ~/temp*
57 rm -r ~/lab*
58 mkdir temp lab lab/lab1 lab/lab2 lab/lab3
59 ls
60 cd lab
61 ls
62 cd temp
63 cd ~/temp
64 ls
65 touch temp/text1.txt
66 touch ~/temp/text.txt
67 touch ~/temp/text2.txt
68 touch ~/temp/text3.txt
69 ls
70 mcedit text.txt
71 mcedit text2.txt
72 mcedit text3.txt
73 cat /temp
74 cat ~/temp
75 cat ~/temp*
76 cat ~/temp/
77 cat text.txt text2.txt text3.txt
78 cat ~/temp/.txt
79 cat ~/temp/*.txt
80 cp ~/temp/*.txt lab
81 cp ~/temp/*.txt ~/lab
82 ls
83 ls ~/lab
84 mv -i ~/lab/text.txt ~/lab/lab1/firstname.txt
85 cp ~/lab/text.txt ~/lab/firstname.txt
86 mv -i ~/lab/text.txt ~/lab/firstname.txt
87 ls
88 cd lab
89 ls ~/lab
```

Figure 8: history

```

10.                                     ls
1.
11.                                     ?
- .
12.                                     ?
13.                                     ?

:

1. - . , , ,
, Enter. .
, ,
: .

2. realpath , realpath
var /home//var.

3. ls -F .

4. ( ) , «.». ,
«.myfile». ,
, - ,
, . ls. ls ,
-a.

5. rm rmdir . rm ,
rmdir , .

6. history.

7. : !s// , history . . 3 ls -a . . !3:s/a/F ls -F

8. . : cd; ls. 9.
— , . ()
: echo “ ” # echo
“ : ” ”” # : “ ”.

9. l ls, ,
, , , .

10. — . pwd
, realpath

```

11. `man.` , `man ls`  
`ls.`
12. `Ctrl+C` , `.`

::: {#refs}