0.1 Front matter

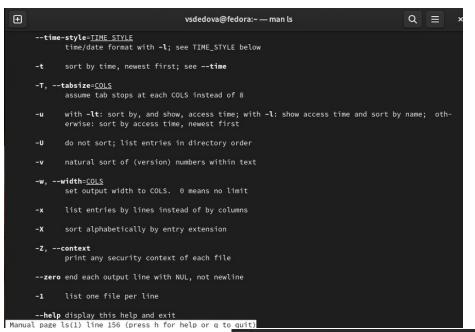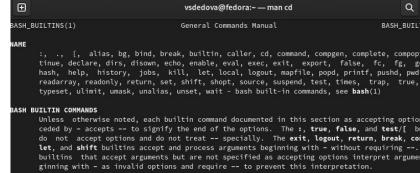title: "   №4" subtitle: "   -
      .   " author: "   .   -01-22"

1

                                                          -                                    .

2

                                          ,   /tmp.
/tmp.   ls   .   ,   /var/spool
            cron?   ,   .


```
[vsdedova@fedora ~]$ pwd
/home/vsdedova
[vsdedova@fedora ~]$ cd /tmp
[vsdedova@fedora tmp]$ ls
systemd-private-05adebc6b29443c5a492b02d1455f53c-chronyd.service-gbO4js
systemd-private-05adebc6b29443c5a492b02d1455f53c-colord.service-av49ug
systemd-private-05adebc6b29443c5a492b02d1455f53c-dbus-broker.service-cwwS9Q
systemd-private-05adebc6b29443c5a492b02d1455f53c-geoclue.service-6LcsBW
systemd-private-05adebc6b29443c5a492b02d1455f53c-low-memory-monitor.service-R5Q55B
systemd-private-05adebc6b29443c5a492b02d1455f53c-ModemManager.service-LxAokj
systemd-private-05adebc6b29443c5a492b02d1455f53c-power-profiles-daemon.service-8BChRM
systemd-private-05adebc6b29443c5a492b02d1455f53c-rtkit-daemon.service-hRY4Wt
systemd-private-05adebc6b29443c5a492b02d1455f53c-switcheroo-control.service-KbOglz
systemd-private-05adebc6b29443c5a492b02d1455f53c-systemd-logind.service-cCegXl
systemd-private-05adebc6b29443c5a492b02d1455f53c-systemd-oomd.service-H2X3F9
systemd-private-05adebc6b29443c5a492b02d1455f53c-systemd-resolved.service-whhQJa
systemd-private-05adebc6b29443c5a492b02d1455f53c-upower.service-hIjERV
Temp-8760b013-49df-4a27-b251-53c73b50a832
[vsdedova@fedora tmp]$
```

```
Temp-8760b013-49df-4a27-b251-53c73b50a832
[vsdedova@fedora tmp]$ ls /var/spool
abrt   abrt-upload   cups   lpd   mail   plymouth
[vsdedova@fedora tmp]$ cd ~
[vsdedova@fedora ~]$ ls
bin        study_2022-2023_os-intro    vsd      Документы    Музыка        Шаблоны
ssh        Twix19                      work     Загрузки     Общедоступные
ssh.pub    Twix19.github.io            Видео    Изображения  'Рабочий стол'
[vsdedova@fedora ~]$ mkdir newdir
```

                                          newdir.   ~/newdir
      morefun.   letters, memos,
misk.   .   .

```
[vsdedova@fedora ~]$ mkdir newdir
[vsdedova@fedora ~]$ ls
 bin         ssh.pub                  Twix19.github.io    Видео         Изображения    'Рабочий стол'
 newdir      study_2022-2023_os-intro  vsd                Документы     Музыка          Шаблоны
 ssh         Twix19                   work                Загрузки      Общедоступные
[vsdedova@fedora ~]$ cd /newdir
bash: cd: /newdir: Нет такого файла или каталога
[vsdedova@fedora ~]$ cd ~/newdir
[vsdedova@fedora newdir]$ mkdir morefun
[vsdedova@fedora newdir]$ ls
morefun
[vsdedova@fedora newdir]$ cd ~
[vsdedova@fedora ~]$ mkdir letters memos misk
[vsdedova@fedora ~]$ ls
 bin         misk        ssh.pub               Twix19.github.io    Видео        Изображения    'Рабочий стол'
 letters     newdir     study_2022-2023_os-intro  vsd            Документы    Музыка          Шаблоны
 memos       ssh        Twix19                work               Загрузки     Общедоступные
[vsdedova@fedora ~]$ rm -r letters memos misk
[vsdedova@fedora ~]$ ls
 bin         ssh.pub                  Twix19.github.io    Видео         Изображения    'Рабочий стол'
 newdir      study_2022-2023_os-intro  vsd                Документы     Музыка          Шаблоны
 ssh         Twix19                   work                Загрузки      Общедоступные
[vsdedova@fedora ~]$
```

```
[vsdedova@fedora ~]$ rm -r newdir
[vsdedova@fedora ~]$ ls
 bin         study_2022-2023_os-intro  vsd            Документы     Музыка          Шаблоны
 ssh         Twix19                    work           Загрузки      Общедоступные
 ssh.pub     Twix19.github.io         Видео          Изображения    'Рабочий стол'
[vsdedova@fedora ~]$ man
Какая справочная страница вам нужна?
Например, попробуйте ввести «man man».
[vsdedova@fedora ~]$
```

man   ,   ls
                     ,   ,   .   ls

```
[vsdedova@fedora ~]$ man ls
```

```
LS(1)                                  User Commands                                 LS(1)

NAME
       ls - list directory contents

SYNOPSIS
       ls [OPTION]... [FILE]...

DESCRIPTION
       List  information about the FILEs (the current directory by default).  Sort entries alphabetically
       if none of -cftuvSUX nor --sort is specified.

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

       -a, --all
              do not ignore entries starting with .

       -A, --almost-all
              do not list implied . and ..

       --author
              with -l, print the author of each file

       -b, --escape
              print C-style escapes for nongraphic characters

       --block-size=SIZE
              with -l, scale sizes by SIZE when printing them; e.g., '--block-size=M';  see  SIZE  format
              below
 Manual page ls(1) line 1 (press h for help or q to quit)
```

```
--time-style=TIME_STYLE
        time/date format with -l; see TIME_STYLE below

-t      sort by time, newest first; see --time

-T, --tabsize=COLS
        assume tab stops at each COLS instead of 8

-u      with -lt: sort by, and show, access time; with -l: show access time and sort by name;  oth-
        erwise: sort by access time, newest first

-U      do not sort; list entries in directory order

-v      natural sort of (version) numbers within text

-w, --width=COLS
        set output width to COLS.  0 means no limit

-x      list entries by lines instead of by columns

-X      sort alphabetically by entry extension

-Z, --context
        print any security context of each file

--zero  end each output line with NUL, not newline

-1      list one file per line

--help  display this help and exit
```

Manual page ls(1) line 156 (press h for help or q to quit)

```
BASH_BUILTINS(1)              General Commands Manual              BASH_BUILT

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

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


       . filename [arguments]
       source filename [arguments]
              Read  and  execute  commands  from filename in the current shell environment and retu
              exit status of the last command executed from filename.  If filename does  not  cont
              slash,  filenames  in PATH are used to find the directory containing filename, but f
              does not need to be executable.  The file searched for in  PATH  need  not  be  execu
              When  bash  is  not  in posix mode, it searches the current directory if no file is fo
              PATH.  If the sourcepath option to the shopt builtin command is turned off, the PATH
              searched.   If any arguments are supplied, they become the positional parameters when
              name is executed.  Otherwise the positional parameters are unchanged.  If the -T opti
```
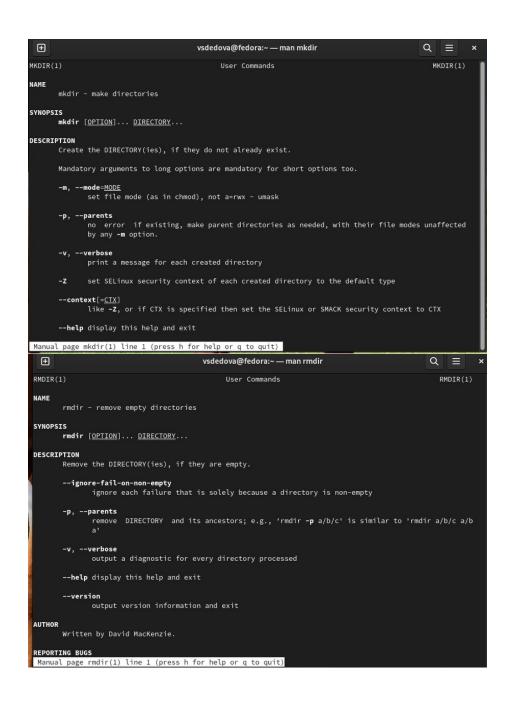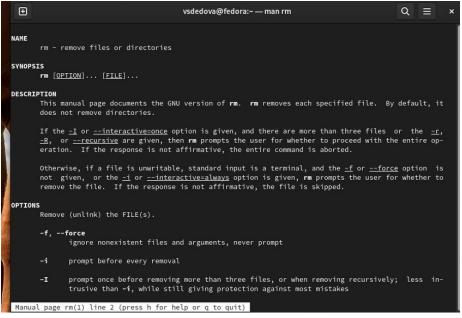
cd, mkdir,rmdir, rm.   Manual page cd(1) line 1 (press h for help or q to quit)

3

```
⊞                          vsdedova@fedora:~ — man mkdir                    🔍  ☰  ✕
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

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

```
⊞                          vsdedova@fedora:~ — man rmdir                    🔍  ☰  ✕
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
 Manual page rmdir(1) line 1 (press h for help or q to quit)
```

4

```
  ⊞                          vsdedova@fedora:~ — man rm                    🔍  ☰   ✕

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 op-
      eration.  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  in-
             trusive than -i, while still giving protection against most mistakes

Manual page rm(1) line 2 (press h for help or q to quit)
```

,   history,

```
 ⊞                                              vsdedova@
229  ls
230  ls gimp
231  ls ginp
232  ls
233  ls /var/spool
234  cd ~
235  ls
236  mkdir newdir
237  ls
238  cd /newdir
239  cd ~/newdir
240  mkdir morefun
241  ls
242  cd ~
243  mkdir letters memos misk
244  ls
245  rm -r letters memos misk
246  ls
247  rm -r newdir
248  ls
249  man
250  man man
251  man ls
252  man cd
253  man pwd
254  man mkdir
255  manrmdir
256  man rmdir
257  man rm
258  history
[vsdedova@fedora ~]$ history
```

```
[vsdedova@fedora ~]$ !241:s/ls/cd
cd
[vsdedova@fedora ~]$
```

1. ? a – ,
   .

2. ? .
   realpath realpath var
   /home//var.

3. ?
   . ls - F

4. ? . ( ) ,
   «,» « , «,myfile».
   , , ,

5. ? ?
   . rm rmdir . .
   rmdir , , . ,
   .

6. - ? ?
   history

7. ? - .
   , :
   I:s// , history..3 ls-a..13:/a/Fls-F

8. . .
   , ,
   . : cd; Is. 9.

- . . : " " echo " ' :" """
   # : " ."

9. . 1 Is,
   , , , ,
   .

10. ls l. -
    .
   , realpath .

11. ? -
    - . .
   , Is Is.

12. ? Ctrl+C ,
    -

13. ? :
    · TAB · Ctrl + Shift + «-» · Ctrl + T ·
   Alt + T · Alt + Backspace Alt + D

3

-