№4

Unix

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- -03-23
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Linux

- . shell: /bin/sh; /bin/csh; /bin/ksh. .

( ), - - ( )

. , — , .

- man
- cd
- pwd
- ls
- mkdir
- rm
- history

.

.

```
omturaeva@dk2n24 ~ $ cd
omturaeva@dk2n24 ~ $ pwd
/afs/.dk.sci.pfu.edu.ru/home/o/m/omturaeva
```

. 1:

/tmp

. 2: /tmp

2.2

/tmp ls

ubuntu@ubuntu2x2 /tmp $ ls
hr$bcc_3549_2B7fg2 sddm-0:CDUeF
hr$bcc_3549_2Q2y8 sddm-auth-0c2b2fe-a4d0-4cf6-b373-ddafe7d4b3ff
ubuntu@ubuntu2x2 systemd-private-c2e6e3ec3027491baf955c88f1592a8-colord.service-CdUEg
ubuntu@ubuntu2x2 systemd-private-c2e6e3ec3027491baf955c88f1592a8-polkit.service-sbMDC
ubuntu@ubuntu2x2 systemd-private-c2e6e3ec3027491baf955c88f1592a8-power-profiles-daemon.service-iRJyjk
ubuntu@ubuntu2x2 systemd-private-c2e6e3ec3027491baf955c88f1592a8-systemd-logind.service-ghc9b2
ubuntu@ubuntu2x2 systemd-private-c2e6e3ec3027491baf955c88f1592a8-systemd-resolved.service-5a2bm
systemd-private-c2e6e3ec3027491baf955c88f1592a8-systemd-timesyncd.service-sEnMbd
systemd-private-c2e6e3ec3027491baf955c88f1592a8-upower.service-sNNgdf
Temp-f20e2f5e-d642-4710-80c4-20ea02fe1b55
tmp-4
xxxh_2DFjc

. **3:** ls

ls -a ls -F

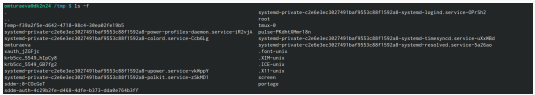
ls -a

ls -a

. 4: ls -a

ls -F

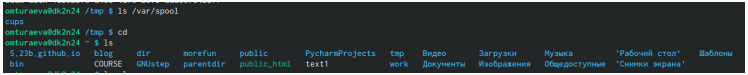
ls -F


.
..
Temp-f9ba2f5e-d642-4716-88c4-38ea82fe1865
systemd-private-c2e6e3ec3827491baf9553c88f1592a8-power-profiles-daemon.service-1PZvjk
systemd-private-c2e6e3ec3827491baf9553c88f1592a8-colord.service-Cc6Lq
ontorure
xauth_j2IFJr
krh5cc_1549_XIaCyV
krh5cc_1549_GR7fg2
systemd-private-c2e6e3ec3827491baf9553c88f1592a8-upower.service-vkMqqY
systemd-private-c2e6e3ec3827491baf9553c88f1592a8-polkit.service-zSAMD1
ssh-m-dlCbSqT
kdm-auth-4c20a2fe-d468-4afe-b171-dda9e7b6b1f7
systemd-private-c2e6e3ec3827491baf9553c88f1592a8-systemd-logind.service-QPrSh2
root
tmux-0
pulse-PKdhtXMmr18n
systemd-private-c2e6e3ec3827491baf9553c88f1592a8-systemd-timesyncd.service-uAnN6d
systemd-private-c2e6e3ec3827491baf9553c88f1592a8-systemd-resolved.service-9a3tou
.font-unix
.XIM-unix
.ICE-unix
.X11-unix
screen
portage

. 5: ls -F

2.3

, /var/spool cron



. **6:** /var/spool

.

```
omturaeva@dk2n24 ~ $ ls -l
итого 43
drwxr-xr-x  4 omturaeva studsci 2048 фев 29 19:31  5.23b.github.io
drwxr-xr-x  2 omturaeva studsci 2048 фев 29 19:35  bin
drwxr-xr-x 13 omturaeva studsci 2048 фев 29 20:38  blog
-rw-r--r--  1 omturaeva studsci    9 фев 28 14:17  COURSE
drwxr-xr-x  3 omturaeva studsci 2048 сен 14 13:06  dir
drwxr-xr-x  3 omturaeva studsci 2048 дек  8 18:07  GNUstep
drwxr-xr-x  2 omturaeva studsci 2048 фев 28 16:51  morefun
drwxr-xr-x  3 omturaeva studsci 2048 сен 14 13:05  parentdir
drwxr-xr-x  3 omturaeva root    2048 сен  7 11:35  public
lrwxr-xr-x  1 omturaeva root      18 фев 16 07:46  public_html -> public/public_html
drwxr-xr-x  3 omturaeva studsci 2048 сен 28 10:56  PycharmProjects
-rw-r--r--  1 omturaeva studsci   28 сен 14 13:19  text1
drwxr-xr-x  2 omturaeva studsci 2048 дек  8 18:05  tmp
drwxr-xr-x  6 omturaeva studsci 2048 фев 29 20:38  work
drwxr-xr-x  2 omturaeva studsci 2048 дек 22 17:52  Видео
drwxr-xr-x  2 omturaeva studsci 2048 фев 26 20:20  Документы
drwxr-xr-x  3 omturaeva studsci 2048 мар  7 14:30  Загрузки
drwxr-xr-x  3 omturaeva studsci 2048 дек 22 17:47  Изображения
drwxr-xr-x  2 omturaeva studsci 2048 сен  7 10:45  Музыка
drwxr-xr-x  2 omturaeva studsci 2048 сен  7 10:45  Общедоступные
drwxr-xr-x  2 omturaeva studsci 2048 сен  7 10:45 'Рабочий стол'
drwxr-xr-x  2 omturaeva studsci 2048 фев 29 20:21 'Снимки экрана'
drwxr-xr-x  2 omturaeva studsci 2048 сен  7 10:45  Шаблоны
```


. 7:

, ls -l

omturaeva@dk2n24 ~ $ mkdir newdir
omturaeva@dk2n24 ~ $ ls
5.23b.github.io blog dir morefun parentdir public_html text1 work Документы Изображения Общедоступные 'Снимки экрана'
bin COURSE GNUstep newdir public PycharmProjects tmp Видео Загрузки Музыка 'Рабочий стол' Шаблоны
omturaeva@dk2n24 ~ $

. 8:

newdir.

```
omturaeva@dk2n24 ~ $ cd newdir
omturaeva@dk2n24 ~/newdir $ mkdir morefun
omturaeva@dk2n24 ~/newdir $ ls
morefun
omturaeva@dk2n24 ~/newdir $
```

. 9: newdir

~/newdir morefun.

```
omturaeva@dk2n24 ~/newdir $ mkdir letters nwmos nisk
omturaeva@dk2n24 ~/newdir $ ls
letters  morefun  nisk  nwmos
```

. 10: morefun

3.3

letters, memos, misk.

```
omturaeva@dk2n24 ~ $ mkdir letters nwmos nisk
omturaeva@dk2n24 ~ $ ls
 5.23b.github.io   blog     dir       letters   nisk    parentdir   public_html       text1   work   Документы   Изображения   Общедоступные   'Снимки экрана'
 bin               COURSE   GNUstep   morefun   nwmos   public      PycharmProjects   tmp     Видео  Загрузки    Музыка        'Рабочий стол'  Шаблоны
omturaeva@dk2n24 ~ $ rm -r newdir
rm: невозможно удалить 'newdir': Нет такого файла или каталога
omturaeva@dk2n24 ~ $ ls
 5.23b.github.io   blog     dir       letters   nisk    parentdir   public_html       text1   work   Документы   Изображения   Общедоступные   'Снимки экрана'
 bin               COURSE   GNUstep   morefun   nwmos   public      PycharmProjects   tmp     Видео  Загрузки    Музыка        'Рабочий стол'  Шаблоны
```

. 11:

~/newdir/morefun . , .

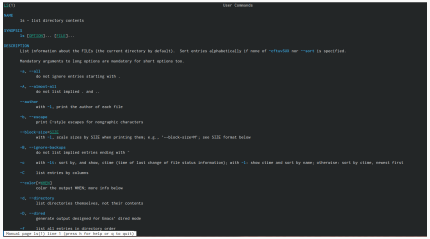
```
omturaeva@dk2n24 ~ $ rm -r newdir
omturaeva@dk2n24 ~ $ ls
5.23b.github.io  blog     dir       morefun     public       PycharmProjects  tmp   Видео       Загрузки     Музыка          'Рабочий стол'   Шаблоны
bin              COURSE   GNUstep   parentdir   public_html  text1            work  Документы   Изображения  Общедоступные   'Снимки экрана'
```

. 12: newdir

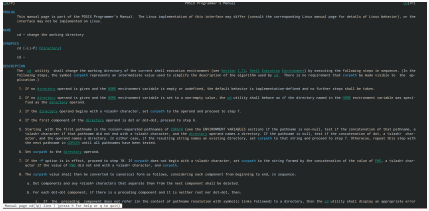
man , ls -

, , .

. 13: man ls


LS(1)
User Commands
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
-B, --ignore-backups
do not list implied entries ending with ~
-c
with -lt: sort by, and show, ctime (time of last change of file status information); with -l: show ctime and sort by name; otherwise: sort by ctime, newest first
-C
list entries by columns
--color[=WHEN]
color the output WHEN; more info below
-d, --directory
list directories themselves, not their contents
-D, --dired
generate output designed for Emacs' dired mode
-f
do not sort, enable -aU, disable -ls --color
-F, --classify
append indicator (one of */=>@|) to entries
Manual page ls(1) line 1 (press h for help or q to quit)

. 14: man ls



. 15: -R, –recursive

ls -R

5

man ls, -

.

–time-style

. **16:** –time-style=TIME_STYLE

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

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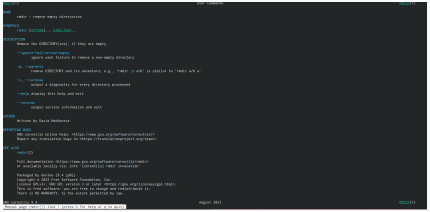
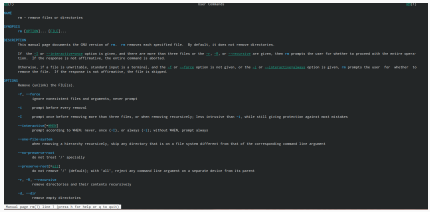
cd



. 17: man cd



. 18: man pwd

mkdir

```
 97  cd
 98  pwd
 99  cd/tmp
100  cd tmp
101  ls
102  ls
103  cd
104  cd /tmp
105  ls
106  ls -a
107  ls -f
108  ls /var/spool
109  cd
110  ls
111  ls -l
112  mkdir newdir
113  fs quota
114  mc
115  fs quota
116  fs quota
117  mkdir newdir
118  ls
119  cd newdir
120  mkdir morefun
121  ls
122  mkdir letters nwmos nisk
123  ls
124  rm -r newdir
125  cd
126  rm -r newdir
127  ls
128  mkdir letters nwmos nisk
129  ls
130  rm -r newdir
131  ls
132  man
133  ls
134  man ls
135  man cd
136  man pws
137  man mkdir
138  man rmdir
139  man rm
140  man rm
141  history
```

rmdir

history

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