№5 Linux.

-01-23

- - -

touch - fsck - mkfs - kill
 mount - cat - less - ls
 chmod - rm - cp - mv

```
aagorbachev@dk2n25 ~ $ mkdir feathers
aagorbachev@dk2n25 ~ $ cd feathers
aagorbachev@dk2n25 ~/feathers $ touch file.old
aagorbachev@dk2n25 ~/feathers $ cd
aagorbachev@dk2n25 ~ $ cp -r ~/feathers ~/file.old
aagorbachev@dk2n25 ~ $ mv ~/file.old ~/play
aagorbachev@dk2n25 ~ $ cp -r ~/play ~/fun
aagorbachev@dk2n25 ~ $ mv ~/fun ~/play
aagorbachev@dk2n25 ~ $ cd play
aagorbachev@dk2n25 ~/play $ mv fun games
aagorbachev@dk2n25 ~/play $ ls
file.old games
aagorbachev@dk2n25 ~/play $
```

. 1:

. 2:

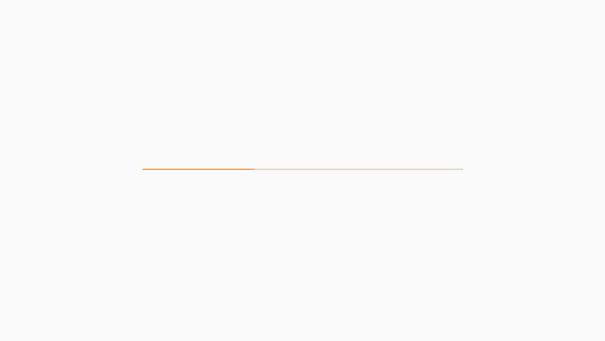
```
2.5. abc1 ~/ski.plases, equiplist2.

2.6. equipment ~/ski.plases. 2.7.

~/ski.plases/equiplist equiplist2 ~/ski.plases/equipment. 2.8.

~/newdir ~/ski.plases plans.
```

```
aagorbachev@dk2n25 ~ $ touch abc1
aagorbachev@dk2n25 ~ $ cp -r ~/ski.plases equiplist2
aagorbachev@dk2n25 ~ $ cd ~/ski.plases
equiplist
aagorbachev@dk2n25 ~/ski_plases $ cp ~/abcl_equiplist2
aagorbachev@dk2n25 ~/ski.plases $ ls
equiplist equiplist2
aagorbachev@dk2n25 ~/ski_plases $ mkdir_equipment
aagorbachev@dk2n25 ~/ski,plases $ mv equiplist equiplist2 equipment
aagorbachev@dk2n25 ~/ski.plases $ 1s equipment
equiplist equiplist2
aagorbachev@dk2n25 ~/ski.plases $ mkdir ~/newdir
mkdir: невозможно создать каталог «/afs/.dk.sci.pfu.edu.ru/home/a/a/aagorbachev/newdir»: Файл существует
aagorbachev@dk2n25 ~/ski.plases $ mv ~/newdir plans
aagorbachev@dk2n25 ~/ski.plases $ ls
aagorbachev@dk2n25 ~/ski.plases $
```



chmod, , – ,

drwxr-r- ... australia

```
aagorbachev@dk2n25 - $ chmod g-x australia
aagorbachev@dk2n25 - $ chmod o-x australia
aagorbachev@dk2n25 - $ ls -l australia
uroro 0
aagorbachev@dk2n25 - $ ls-l
bash: ls-l: команда не найдена
aagorbachev@dk2n25 - $ ls -l
uroro 60
drwxr-xr-x 2 aagorbachev studsci 2048 ноя 23 19:16 44
drwxr-xr-x 2 aagorbachev studsci 2048 дек 8 16:42 5
drwxr-xr-x 2 aagorbachev studsci 2048 дек 16:42 5
drwxr-xr-x 2 aagorbachev studsci 2048 дек 16:29 6
-rw-r--r-- 1 aagorbachev studsci 2048 дек 116:29
drwxr-xr-x 4 aagorbachev studsci 2048 дек 12:43 Architecture_PC
drwxr-r-- 2 aagorbachev studsci 2048 мар 15 18:28 australia
```

. 4:

drwx-x-x ... play

```
aagorbachev@dk2n25 ~ $ chmod o-r play
aagorbachev@dk2n25 ~ $ 1s -1
итого 60
drwxr-xr-x 2 aagorbachev studsci 2048 ноя 23 19:16 44
drwxr-xr-x 2 aagorbachev studsci 2048 дек 8 16:42 5
drwxr-xr-x 2 aagorbachev studsci 2048 дек 11 16:29 6
-rw-r--r-- 1 aagorbachev studsci 0 map 15 18:24 abc1
drwxr-xr-x 4 aagorbachev studsci 2048 сен 28 12:43 Architecture_PC
drwxr--r-- 2 aagorbachev studsci 2048 map 15 18:28 australia
drwxr-xr-x 2 aagorbachev studsci 2048 map 15 18:25 equiplist2
drwxr-xr-x 2 aagorbachev studsci 2048 map 15 18:21 feathers
drwxr-xr-x 3 aagorbachev studsci 2048 дек 11 16:08 GNUstep
-rwxr-xr-x 1 aagorbachev studsci 16104 сен 20 16:42 main
-rw-r--r- 1 aagorbachev studsci 173 сен 20 16:42 main.cpp
drwxr-x--x 3 aagorbachev studsci 2048 map 15 18:22 play
drwxr-xr-x 3 aagorbachev root
                                2048 сен 5 2023 public
```

-r-xr-r- ... my_os

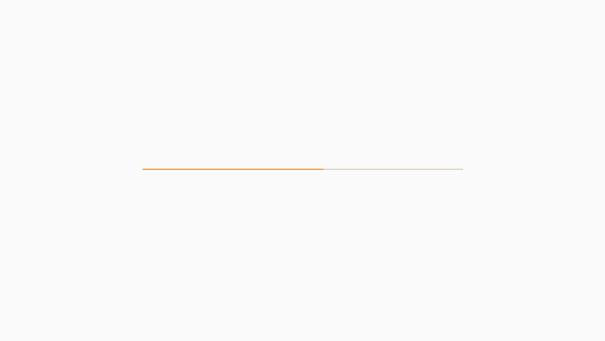
```
aagorbachev@dk2n25 ~ $ chmod u-w my os
aagorbachev@dk2n25 ~ $ chmod u+w my os
aagorbachev@dk2n25 ~ $ ls -1
итого 62
drwxr-xr-x 2 aagorbachev studsci 2048 ноя 23 19:16 44
drwxr-xr-x 2 aagorbachev studsci 2048 дек 8 16:42 5
drwxr-xr-x 2 aagorbachev studsci 2048 дек 11 16:29 6
-rw-r--r-- 1 aagorbachev studsci
                                   0 мар 15 18:24 abc1
drwxr-xr-x 4 aagorbachev studsci 2048 сен 28 12:43 Architecture_PC
drwxr--r-- 2 aagorbachev studsci
                                2048 map 15 18:28 australia
drwxr-xr-x 2 aagorbachev studsci 2048 map 15 18:25 equiplist2
drwxr-xr-x 2 aagorbachev studsci
                                2048 мар 15 18:21 feathers
drwxr-xr-x 3 aagorbachev studsci
                                2048 дек 11 16:08 GNUstep
-rwxr-xr-x 1 aagorbachev studsci 16104 сен 20 16:42 main
-rw-r--r-- 1 aagorbachev studsci 173 сен 20 16:42 main.cpp
drwxr-xr-x 2 aagorbachev studsci
                                2048 Map 15 18:30 mv_os
drwxr-x--x 3 aagorbachev studsci
                                 2048 Map 15 18:22 play
drwxr-xr-x 3 aagorbachev root
                                 2048 сен 5 2023 public
lrwxr-xr-x 1 aagorbachev root
                                   18 dem 16 16:50 public html -> public/publi
                                2049 Man 15 19,27 cki places
drwyr-yr-y 4 aagorbachey etudeci
```

3.4

-rw-rw-r- ... feathers

```
aagorbachev@dk2n25 ~ $ cat ~/feathers
cat: /afs/.dk.sci.pfu.edu.ru/home/a/a/aagorbachev/feathers: Это каталог
```

. 7:



```
4.1. /etc/password. ( ) 4.2. ~/feathers \sim/file.old.ls 4.3. \sim/file.old \sim/play. 4.4. \sim/play \sim/fun. 4.5. \sim/fun \sim/play games.
```

ср: после '/afs/.dk.sci.pfu.edu.ru/home/a/a/aagorbachev/feathers' пропушен операнд. задающий целевой фай

. 8:

По команде «cp --help» можно получить дополнительную информацию.

```
4.6. ~/feathers . 4.7. ,

~/feathers cat? 4.8. , ~/feathers?

**To komande kep help* Moxno honyanta donomini enanya vinquopmat

**aagorbachev@dk2n25 ~ $ chmod u+r feathers

**aagorbachev@dk2n25 ~ $ chmod u+r feathers

**aagorbachev@dk2n25 ~ $ l

**. 9:
```

4.9. \sim /feathers

```
aagorbachev@dk2n25 ~ $ chmod u-x ~/play
aagorbachev@dk2n25 ~ $ cd play
aagorbachev@dk2n25 ~/play $ ls -l
итого 2
-rw-r--r-- 1 aagorbachev studsci 0 мар 15 18:21 file.old
drwxr-xr-x 2 aagorbachev studsci 2048 мар 15 18:22 games
aagorbachev@dk2n25 ~/play $
```

. 10:

```
4.10. ~/play . 4.11. ~/play.

(

aagorbachev@dk2n25 ~ $ chmod u+x ~/play
aagorbachev@dk2n25 ~ $ 1s -1

uroro 62

drwxr-xr-x 2 aagorbachev studsci 2048 Hos 23 19:16 44

drwxr-xr-x 2 aagorbachev studsci 2048 Apek 8 16:42 5

drwxr-xr-x 2 aagorbachev studsci 2048 Apek 11 16:29 6

-rw-r--r-- 1 aagorbachev studsci 2048 Apek 11 16:29 6

-rw-r--r-- 2 aagorbachev studsci 2048 Apek 28 12:43 Architecture_PC

drwxr-xr-x 4 aagorbachev studsci 2048 Apek 28 12:43 Architecture_PC

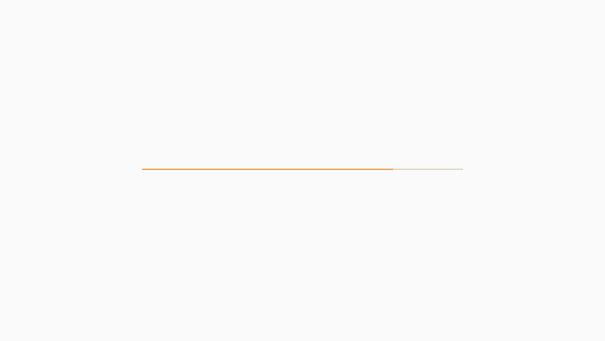
drwxr--r-- 2 aagorbachev studsci 2048 Apek 15 18:28 Australia
```

. 11:

4.12.

\sim /play

```
OUNT(8)
                                      System Administration
     mount - mount a filesystem
     All files accessible in a Unix system are arranged in one big tree, the file hierarchy, rooted
     at /. These files can be spread out over several devices. The mount command serves to attach
     the filesystem found on some device to the big file tree. Conversely, the umount(8) command
     will detach it again. The filesystem is used to control how data is stored on the device or
     provided in a virtual way by network or other services.
     The standard form of the mount command is:
     This tells the kernel to attach the filesystem found on device (which is of type type) at the
     directory dir. The option -t type is optional. The mount command is usually able to detect a
     filesystem. The root permissions are necessary to mount a filesystem by default. See section
     "Non-superuser mounts" below for more details. The previous contents (if any) and owner and
     mode of dir become invisible, and as long as this filesystem remains mounted, the pathname dir
     refers to the root of the filesystem on device.
     If only the directory or the device is given, for example:
```



man mount, fsck, mkfs, kill



. 13: man

man mount

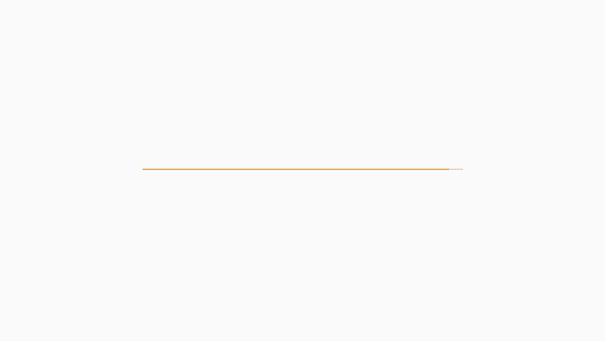
. 14: man mount

```
User Commands
kill - send a signal to a process
kill [options] <pid>[...]
The default signal for kill is TERM. Use -1 or -1 to list available signals. Particularly
useful signals include HUP. INT. KILL. STOP. CONT. and 0. Alternate signals may be specified
in three ways: -9. -SIGKILL or -KILL. Negative PID values may be used to choose whole process
groups: see the PGID column in ps command output. A PID of -1 is special: it indicates all
processes except the kill process itself and init.
       Send signal to every <pid> listed.
       Specify the signal to be sent. The signal can be specified by using name or number.
       The behavior of signals is explained in signal(7) manual page.
      Use siggueue(3) rather than kill(2) and the value argument is used to specify an inte-
       ger to be sent with the signal. If the receiving process has installed a handler for
       this signal using the SA SIGINFO flag to signation(2), then it can obtain this data
       via the si_value field of the siginfo_t structure.
      List signal names. This option has optional argument, which will convert signal number
       to signal name, or other way round.
       List signal names in a nice table.
NOTES Your shell (command line interpreter) may have a built-in kill command. You may need
       to run the command described here as /bin/kill to solve the conflict.
       Kill all processes you can kill.
```

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

```
aagorbachev@dk2n25 ~ $ man mount
aagorbachev@dk2n25 ~ $ man fsck
aagorbachev@dk2n25 ~ $ man mkfs
aagorbachev@dk2n25 ~ $ man kill
aagorbachev@dk2n25 ~ $
```

. 16: man mkfs



Linux, , . (),