

# Презентация Лабораторной работы №5

# Лабораторная работа 5

Новосельцев.Д.С. НФИбд-02-20

Цель работы: приобретение практических навыков взаимодействия пользователя с системой посредством командной строки.

```
danila@dsnovoseljcev:~$ pwd  
/home/danila
```

pwd

```
danila@dsnovoseljcev:~$ cd /tmp
danila@dsnovoseljcev:/tmp$ ls
config-err-rUBQAY
snap.snap-store
ssh-yAG6AAI3xuBP
systemd-private-75e1c42375024abbbb09adcd726b6300-colord.service-83MXMh
systemd-private-75e1c42375024abbbb09adcd726b6300-fwupd.service-yfuj1e
systemd-private-75e1c42375024abbbb09adcd726b6300-ModemManager.service-ghqEGi
systemd-private-75e1c42375024abbbb09adcd726b6300-switcheroo-control.service-WTj
V9h
systemd-private-75e1c42375024abbbb09adcd726b6300-systemd-logind.service-nZLshf
systemd-private-75e1c42375024abbbb09adcd726b6300-systemd-resolved.service-P9R50
e
systemd-private-75e1c42375024abbbb09adcd726b6300-systemd-timesyncd.service-I9i8
```

tmp

```

danila@dsnovoseljcev:/tmp$ ls -l
total 48
-rw----- 1 danila danila    0 июл 28 20:12 config-e
drwx----- 3 root    root    4096 авг 12 20:10 snap.sna
drwx----- 2 danila danila  4096 июл 28 20:12 ssh-yAG6
drwx----- 3 root    root    4096 июл 28 20:12 systemd-
09adcd726b6300-color.service-83MXMh
drwx----- 3 root    root    4096 авг 12 20:04 systemd-
09adcd726b6300-fwupd.service-yfuj1e
drwx----- 3 root    root    4096 июл 28 20:11 systemd-
09adcd726b6300-ModemManager.service-ghqEGi
drwx----- 3 root    root    4096 июл 28 20:11 systemd-
09adcd726b6300-switcheroo-control.service-WTjV9h

```

ls

```
danila@dsnovoseljcev:/tmp$ ls -F
config-err-rUBQAY
snap.snap-store/
ssh-yAG6AAI3xuBP/
systemd-private-75e1c42375024abbbb09adcd726b6300-colo
systemd-private-75e1c42375024abbbb09adcd726b6300-fwup
systemd-private-75e1c42375024abbbb09adcd726b6300-Mode
systemd-private-75e1c42375024abbbb09adcd726b6300-swit
V9h/
systemd-private-75e1c42375024abbbb09adcd726b6300-syst
systemd-private-75e1c42375024abbbb09adcd726b6300-syst
e/
systemd-private-75e1c42375024abbbb09adcd726b6300-syst
6h/
systemd-private-75e1c42375024abbbb09adcd726b6300-upow
tracker-extract-files.1000/
```

Ls -F

```
danila@dsnovoseljcev:/tmp$ cd /var/spool
danila@dsnovoseljcev:/var/spool$ ls
anacron  cron  cups  libreoffice  mail  rsyslog
danila@dsnovoseljcev:/var/spool$
```

var/spool



```
danila@dsnoveseljev:/var/spool$ cd
danila@dsnoveseljev:~$ ls
'~'      Documents  Lab91.txt  Music      Public      script.sh  work
backup   Downloads  Lab9.sh    Pictures    script2.sh  Templates
Desktop  file.sh    Lab9.txt   '~.pub'    script3.sh  Videos
```

ls

```
danila@dsnovoseljcev:~$ ls -l
total 68
-rw----- 1 danila danila 2655 авг 16 13:20 '~'
drwxrwxr-x 2 danila danila 4096 мая 21 23:25 backup
drwxr-xr-x 3 danila danila 4096 мая 21 23:10 Desktop
drwxr-xr-x 2 danila danila 4096 мая 15 10:55 Documents
drwxr-xr-x 2 danila danila 4096 мая 15 10:55 Downloads
-rw-rw-r-- 1 danila danila 234 мая 29 10:00 file.sh
-rw-rw-r-- 1 danila danila 0 мая 29 22:06 Lab91.txt
-rw-rw-r-- 1 danila danila 785 мая 29 22:02 Lab9.sh
```

ls

```
danila@dsnovoseljcev:~$ mkdir newdir
danila@dsnovoseljcev:~$ cd ~/newdir
danila@dsnovoseljcev:~/newdir$ mkdir morefun
danila@dsnovoseljcev:~/newdir$ cd
```

newdir

```
danila@dsnovoseljcev:~$ mkdir letters memos misk
danila@dsnovoseljcev:~$ ls
'~'      Downloads  Lab9.txt   Music      Public
backup   file.sh    letters    newdir     script
Desktop  Lab91.txt  memos      Pictures    script
Documents Lab9.sh    misk       '~.pub'    script
danila@dsnovoseljcev:~$ rmdir letters memos misk
danila@dsnovoseljcev:~$ ls
'~'      Documents  Lab91.txt  Music      '~.pub'
backup   Downloads  Lab9.sh    newdir     Public
Desktop  file.sh    Lab9.txt   Pictures    script2
danila@dsnovoseljcev:~$ █
```

mkdir

```

danila@dsnovoseljcev:~$ rm newdir
rm: cannot remove 'newdir': Is a directory
danila@dsnovoseljcev:~$ ls
'~'      Documents  Lab91.txt  Music      '~.pub'    script3.sh  Videos
backup   Downloads  Lab9.sh    newdir     Public     script.sh   work
Desktop  file.sh    Lab9.txt   Pictures   script2.sh Templates
danila@dsnovoseljcev:~$ rm -r newdir
danila@dsnovoseljcev:~$ ls
'~'      Documents  Lab91.txt  Music      Public      script.sh   work
backup   Downloads  Lab9.sh    Pictures   script2.sh  Templates
Desktop  file.sh    Lab9.txt   '~.pub'    script3.sh  Videos
danila@dsnovoseljcev:~$ 

```

rm

```
-R, --recursive  
    list subdirectories recursively
```

-R

as sort key if `--sort=time` (newest first)

`--time-style=TIME_STYLE`

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

`-t` sort by modification time, newest first

`-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; otherwise: sort by access time, newest first

`-t`

```
man ls  
man cd  
man pwd  
man mkdir  
man rmdir  
man rm
```

man



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

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

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

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

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

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

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

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 af-
    firmative, 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).
```

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

man rm

```
192 man rm
193 history
194 cd
195 cb
196 rm newdir
197 ls
198 mkdir newdir
199 cd newdir
200 mkdir morefun
201 cd
202 rm newdir
203 rm newdir
204 rm newdir
205 ls
206 rm -r newdir
207 ls
208 man ls
209 man cd
210 man pwd
211 man mkdir
212 man rmdir
213 man rm
214 history
danila@dsnovoeljev:~$ !8
cd
danila@dsnovoeljev:~$ !8:s/d/b
cb
cb: command not found
danila@dsnovoeljev:~$
```

history