

# Laboratory work No. 8

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# Information

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## Introductory part

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- Familiarization with file search and text data filtering tools
- Acquisition of practical skills: process (and task) management, disk utilization checking and file system maintenance. Checking disk usage and maintaining file systems.

# Tasks

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1. Using commands to search and filter files
2. Developing practical skills in process management

## Performing laboratory work

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## Writing files from the home directory

```
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~$ touch file.txt  
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~$ ls /etc > file  
.txt
```

## Writing files with .conf resolution

```
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~$ touch conf.txt  
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~$ grep ".conf" file.txt > conf.txt
```

## Output files with the letter “s”

```
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~$ ls ~/c*  
/home/eakarpova/conf.txt  
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~$ ls ~ | grep "^c"  
conf.txt
```

## Running a process in the background

```
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~$ find ~ -name "log" > ~/logfile &  
[2] 7978  
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~$ rm ~/logfile  
[2]-  Done                  find ~ -name "log" > ~/logfile
```

## Executing the df command

```
eakarpova@eakarpova-Redmi-Book-Pro-14-2022:~$ df
```

Filesystem	1K-blocks	Used	Available	Use%	Mounted on
tmpfs	1552464	1860	1550604	1%	/run
/dev/nvme0n1p6	49225364	33738764	12953688	73%	/
tmpfs	7762316	0	7762316	0%	/dev/shm
tmpfs	5120	16	5104	1%	/run/lock
efivarfs	148	82	62	58%	/sys/firmware/efi/efivars
/dev/nvme0n1p1	262144	33840	228304	13%	/boot/efi
tmpfs	1552460	68	1552392	1%	/run/user/1000

# Results

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Gained practical skills in working with:

- conveyors
- file search
- text filtering disk usage check
- task management
- process information