

# Презентация по лабораторной работе №6

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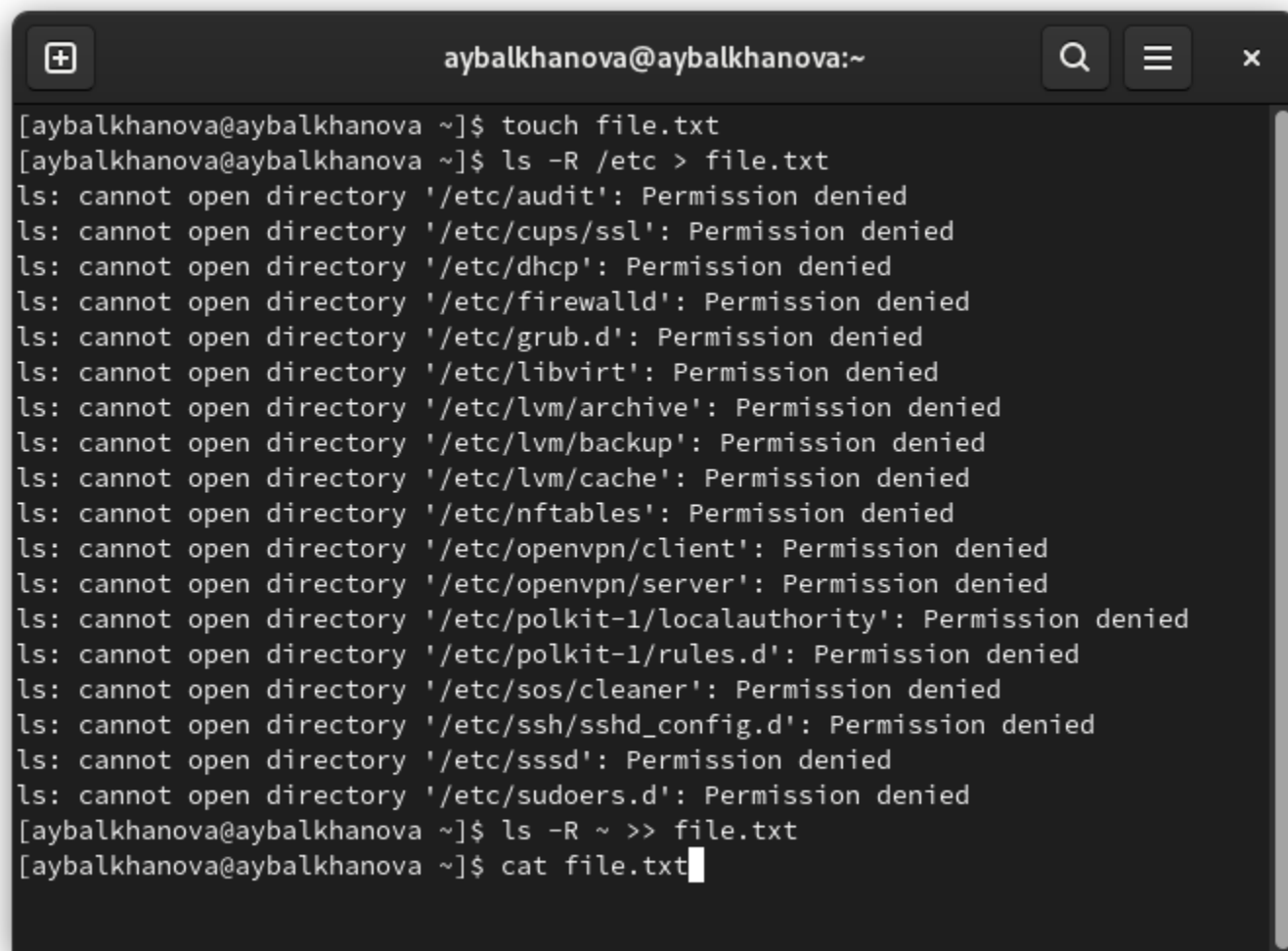
28 April, 2022 Moscow, Russian Federation

# Лабораторная работа №6

## **Цель работы**

Ознакомиться с инструментами поиска файлов и фильтрации текстовых данных. Приобрести практические навыки по управлению процессами и заданиями, по проверке использования диска и обслуживанию файловых систем.

# Запись файлов



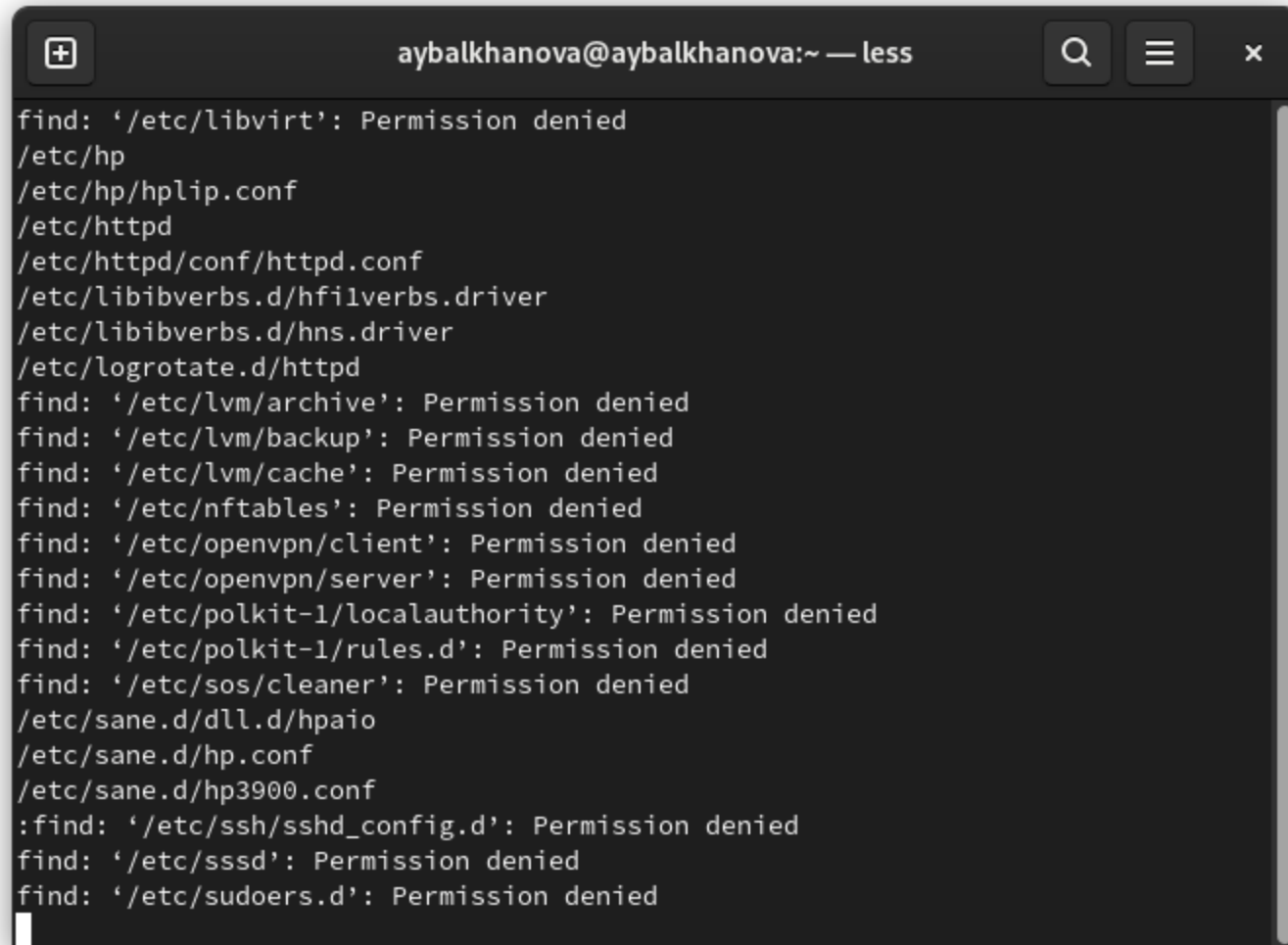
```
aybalkhanova@aybalkhanova:~  
[aybalkhanova@aybalkhanova ~]$ touch file.txt  
[aybalkhanova@aybalkhanova ~]$ ls -R /etc > file.txt  
ls: cannot open directory '/etc/audit': Permission denied  
ls: cannot open directory '/etc/cups/ssl': Permission denied  
ls: cannot open directory '/etc/dhcp': Permission denied  
ls: cannot open directory '/etc/firewalld': Permission denied  
ls: cannot open directory '/etc/grub.d': Permission denied  
ls: cannot open directory '/etc/libvirt': Permission denied  
ls: cannot open directory '/etc/lvm/archive': Permission denied  
ls: cannot open directory '/etc/lvm/backup': Permission denied  
ls: cannot open directory '/etc/lvm/cache': Permission denied  
ls: cannot open directory '/etc/nftables': Permission denied  
ls: cannot open directory '/etc/openvpn/client': Permission denied  
ls: cannot open directory '/etc/openvpn/server': Permission denied  
ls: cannot open directory '/etc/polkit-1/localauthority': Permission denied  
ls: cannot open directory '/etc/polkit-1/rules.d': Permission denied  
ls: cannot open directory '/etc/sos/cleaner': Permission denied  
ls: cannot open directory '/etc/ssh/sshd_config.d': Permission denied  
ls: cannot open directory '/etc/sss': Permission denied  
ls: cannot open directory '/etc/sudoers.d': Permission denied  
[aybalkhanova@aybalkhanova ~]$ ls -R ~ >> file.txt  
[aybalkhanova@aybalkhanova ~]$ cat file.txt
```

# Поиск файлов

```
[aybalkhanova@aybalkhanova ~]$ ls -l | grep c*  
-rw-rw-r--. 1 aybalkhanova aybalkhanova 11017 Apr 29 15:35 conf.txt  
[aybalkhanova@aybalkhanova ~]$ find ~ -name `c*` -print  
bash: conf.txt: command not found...
```

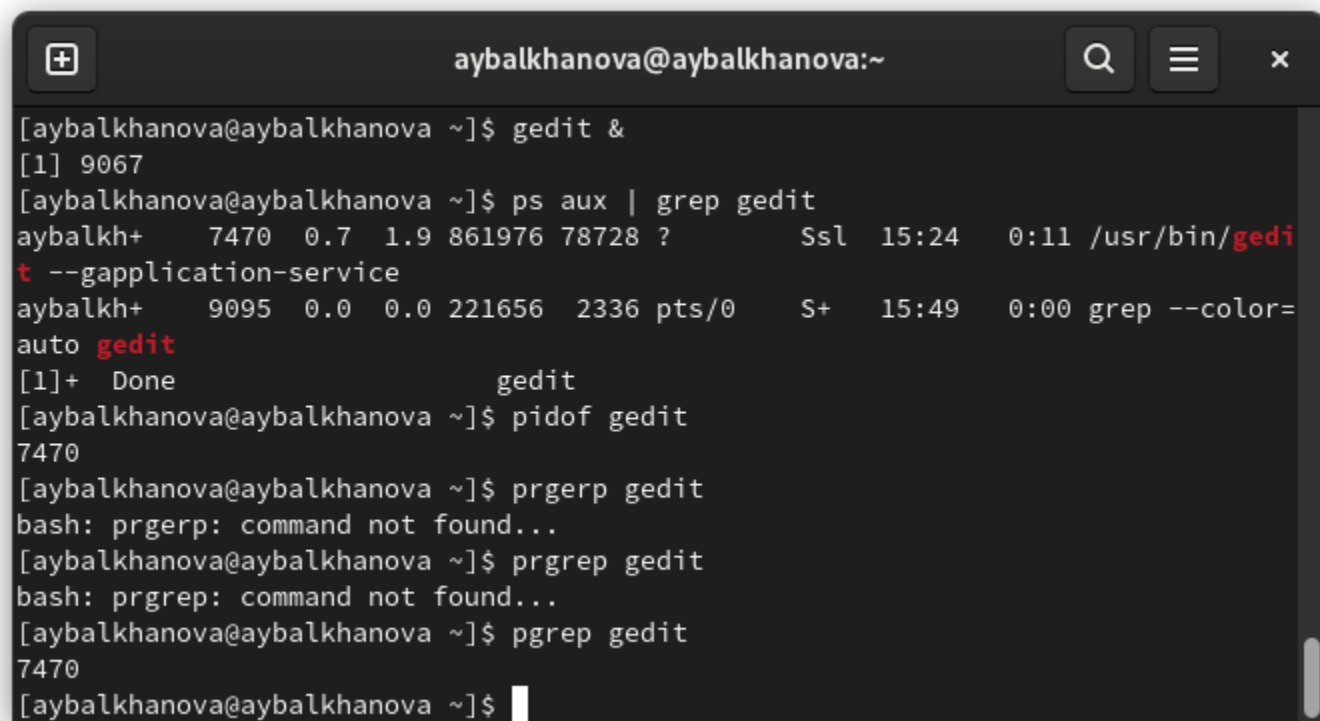
# Вывод нужных файлов

```
[aybalkhanova@aybalkhanova ~]$ find /etc -name "h*" -print | less
```

A terminal window titled 'aybalkhanova@aybalkhanova:~ — less' with search, menu, and close icons. It displays the output of the command 'find /etc -name "h\*" -print | less'. The output lists various files in the /etc directory, including configuration files for hplip, httpd, libibverbs, logrotate, lvm, openvpn, polkit, sane, ssh, and sudoers. Each line is preceded by 'find:'.

```
find: '/etc/libvirt': Permission denied
/etc/hp
/etc/hp/hplip.conf
/etc/httpd
/etc/httpd/conf/httpd.conf
/etc/libibverbs.d/hfi1verbs.driver
/etc/libibverbs.d/hns.driver
/etc/logrotate.d/httpd
find: '/etc/lvm/archive': Permission denied
find: '/etc/lvm/backup': Permission denied
find: '/etc/lvm/cache': Permission denied
find: '/etc/nftables': Permission denied
find: '/etc/openvpn/client': Permission denied
find: '/etc/openvpn/server': Permission denied
find: '/etc/polkit-1/localauthority': Permission denied
find: '/etc/polkit-1/rules.d': Permission denied
find: '/etc/sos/cleaner': Permission denied
/etc/sane.d/dll.d/hpaio
/etc/sane.d/hp.conf
/etc/sane.d/hp3900.conf
:find: '/etc/ssh/ssh_config': Permission denied
find: '/etc/ssh': Permission denied
find: '/etc/sudoers.d': Permission denied
```

# Запуск в фоновом режиме редактора



```
aybalkhanova@aybalkhanova:~  
[aybalkhanova@aybalkhanova ~]$ gedit &  
[1] 9067  
[aybalkhanova@aybalkhanova ~]$ ps aux | grep gedit  
aybalkh+  7470  0.7  1.9 861976 78728 ?        Ssl  15:24   0:11 /usr/bin/gedit  
t --gapplcation-service  
aybalkh+  9095  0.0  0.0 221656  2336 pts/0    S+   15:49   0:00 grep --color=  
auto gedit  
[1]+  Done                  gedit  
[aybalkhanova@aybalkhanova ~]$ pidof gedit  
7470  
[aybalkhanova@aybalkhanova ~]$ prgerp gedit  
bash: prgerp: command not found...  
[aybalkhanova@aybalkhanova ~]$ prgrep gedit  
bash: prgrep: command not found...  
[aybalkhanova@aybalkhanova ~]$ pgrep gedit  
7470  
[aybalkhanova@aybalkhanova ~]$
```

# Число килобайт, используемое каждым файлом или каталогом, используя команду du

```
aybalkhanova@aybalkhanova:~  
12 /home/aybalkhanova/aybalkhanova.github.io/.git/objects  
4 /home/aybalkhanova/aybalkhanova.github.io/.git/HEAD  
4 /home/aybalkhanova/aybalkhanova.github.io/.git/index  
4 /home/aybalkhanova/aybalkhanova.github.io/.git/COMMIT_EDITMSG  
4 /home/aybalkhanova/aybalkhanova.github.io/.git/logs/HEAD  
4 /home/aybalkhanova/aybalkhanova.github.io/.git/logs/refs/heads/main  
4 /home/aybalkhanova/aybalkhanova.github.io/.git/logs/refs/heads  
4 /home/aybalkhanova/aybalkhanova.github.io/.git/logs/refs/remotes/origin/  
main  
4 /home/aybalkhanova/aybalkhanova.github.io/.git/logs/refs/remotes/origin  
4 /home/aybalkhanova/aybalkhanova.github.io/.git/logs/refs/remotes  
8 /home/aybalkhanova/aybalkhanova.github.io/.git/logs/refs  
12 /home/aybalkhanova/aybalkhanova.github.io/.git/logs  
4 /home/aybalkhanova/aybalkhanova.github.io/.git/config  
116 /home/aybalkhanova/aybalkhanova.github.io/.git  
4 /home/aybalkhanova/aybalkhanova.github.io/index.html  
120 /home/aybalkhanova/aybalkhanova.github.io  
4 /home/aybalkhanova/.vboxclient-clipboard.pid  
4 /home/aybalkhanova/.vboxclient-seamless.pid  
4 /home/aybalkhanova/.vboxclient-draganddrop.pid  
64 /home/aybalkhanova/file.txt  
12 /home/aybalkhanova/conf.txt  
4 /home/aybalkhanova/.lessht  
2669424 /home/aybalkhanova/  
[aybalkhanova@aybalkhanova ~]$
```



# Размер смонтированного раздела диска

```
aybalkhanova@aybalkhanova:~  
4 /home/aybalkhanova/aybalkhanova.github.io/.git/config  
116 /home/aybalkhanova/aybalkhanova.github.io/.git  
4 /home/aybalkhanova/aybalkhanova.github.io/index.html  
120 /home/aybalkhanova/aybalkhanova.github.io  
4 /home/aybalkhanova/.vboxclient-clipboard.pid  
4 /home/aybalkhanova/.vboxclient-seamless.pid  
4 /home/aybalkhanova/.vboxclient-draganddrop.pid  
64 /home/aybalkhanova/file.txt  
12 /home/aybalkhanova/conf.txt  
4 /home/aybalkhanova/.lessht  
2669424 /home/aybalkhanova/  
[aybalkhanova@aybalkhanova ~]$ df -vi  
Filesystem      Inodes IUsed  IFree IUse% Mounted on  
devtmpfs        495854  474  495380   1% /dev  
tmpfs           500951  190  500761   1% /dev/shm  
tmpfs           819200  936  818264   1% /run  
/dev/sda2        0      0      0    -  /  
/dev/sda2        0      0      0    -  /home  
tmpfs           409600   75  409525   1% /tmp  
/dev/loop2       484    484     0 100% /var/lib/snapd/snap/snapd/15534  
/dev/loop0     11778 11778     0 100% /var/lib/snapd/snap/core20/1405  
/dev/sda1       65536  449   65087   1% /boot  
/dev/loop1       14     14     0 100% /var/lib/snapd/snap/hugo/12662  
tmpfs          100190  149  100041   1% /run/user/1000  
[aybalkhanova@aybalkhanova ~]$
```

## **Вывод**

Я ознакомилась с инструментами поиска файлов и фильтрации текстовых данных, так же я приобрела практические навыки по управлению процессами и заданиями, по проверке использования диска и обслуживанию файловых систем.

**Спасибо за внимание**