

## лабораторной работы №2

Установка и конфигурация операционной системы на виртуальную машину

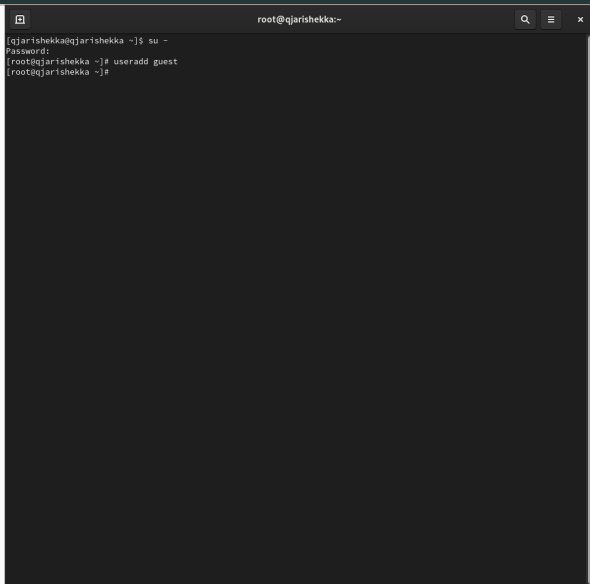
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Кхари Жекка Кализая Арсе

## Создание нового пользователя

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- useradd guest



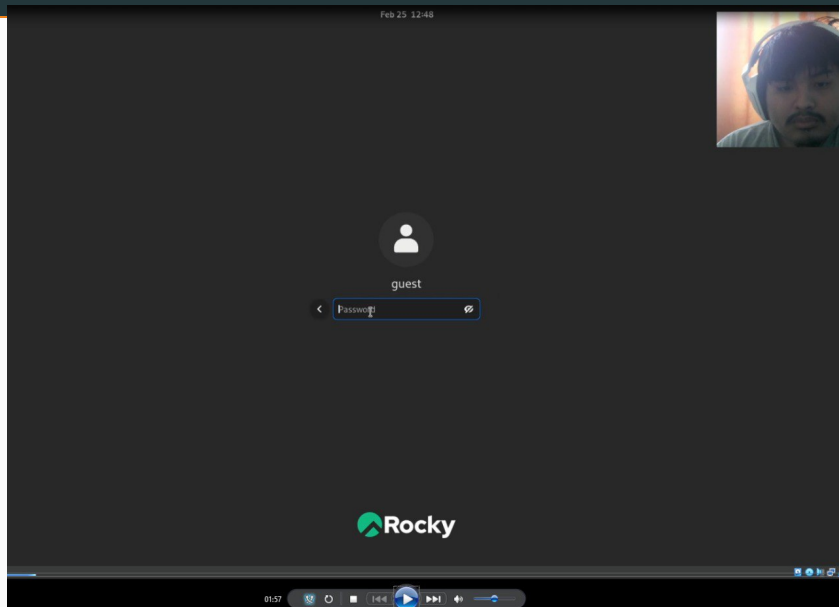
```
root@qjarishekk:~  
[qjarishekk@qjarishekk ~]$ su -  
Password:  
[root@qjarishekk ~]# useradd guest  
[root@qjarishekk ~]#
```

- passwd guest

```
root@qjarishekk:~  
[root@qjarishekk ~]# passwd guest  
Changing password for user guest.  
New password:  
BAD PASSWORD: The password fails the dictionary check - it is too simplistic/systematic  
Retype new password:  
passwd: all authentication tokens updated successfully.  
[root@qjarishekk ~]#
```

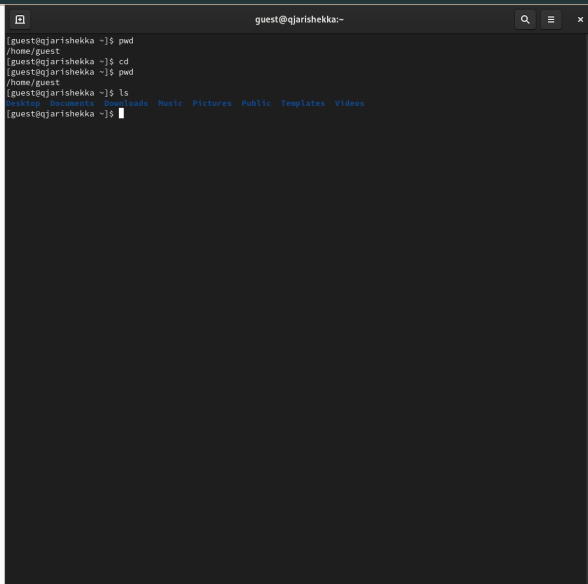
ВХОД В СИСТЕМУ С НОВЫМ  
ПОЛЬЗОВАТЕЛЕМ

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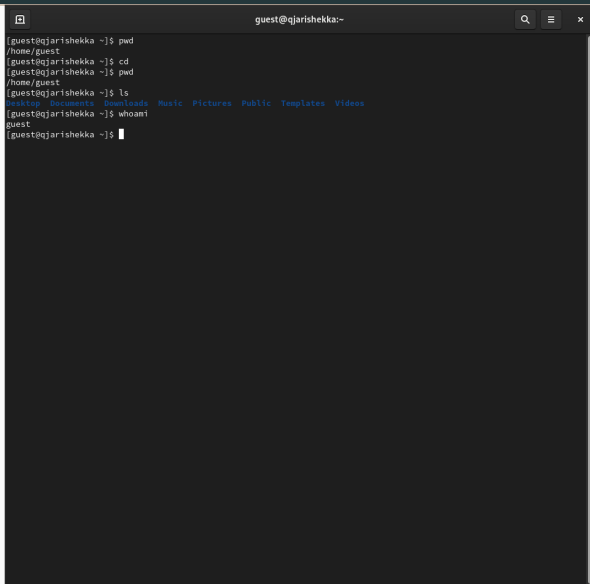
## проверка директории

- pwd

A terminal window titled 'guest@qjarishekk:~' with search, menu, and close icons in the title bar. The terminal shows a sequence of commands and their outputs: 'pwd' returns '/home/guest', 'cd' changes the directory to '/home/guest', and 'ls' lists the contents of the directory: 'Desktop', 'Documents', 'Downloads', 'Music', 'Pictures', 'Public', 'Templates', and 'Videos'.

```
guest@qjarishekk:~$ pwd
/home/guest
guest@qjarishekk:~$ cd
/home/guest
guest@qjarishekk:~$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
guest@qjarishekk:~$
```

- whoami



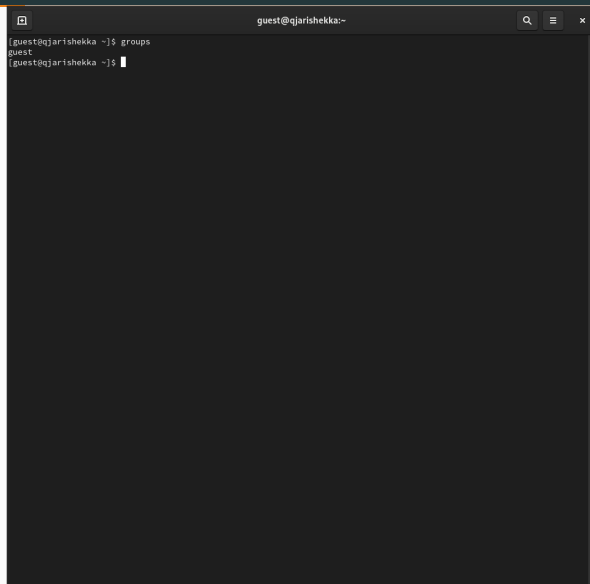
```
guest@qjarishekk:~  
[guest@qjarishekk ~]$ pwd  
/home/guest  
[guest@qjarishekk ~]$ cd  
[guest@qjarishekk ~]$ pwd  
/home/guest  
[guest@qjarishekk ~]$ ls  
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos  
[guest@qjarishekk ~]$ whoami  
guest  
[guest@qjarishekk ~]$
```



- id

```
guest@qjarishekk:~  
[guest@qjarishekk ~]$ pwd  
/home/guest  
[guest@qjarishekk ~]$ cd  
[guest@qjarishekk ~]$ pwd  
/home/guest  
[guest@qjarishekk ~]$ ls  
Desktop Documents Downloads Music Pictures Public Templates Videos  
[guest@qjarishekk ~]$ whoami  
guest  
[guest@qjarishekk ~]$ id  
uid=1001(guest) gid=1001(guest) groups=1001(guest) context=unconfined_u:unconfined_r:unconfined_t:s0-s0:c0.c1023  
[guest@qjarishekk ~]$
```

- groups



```
guest@qjarishekk:~  
[guest@qjarishekk ~]$ groups  
guest  
[guest@qjarishekk ~]$
```

A terminal window titled 'guest@qjarishekk:~' with search, menu, and close icons in the title bar. The terminal shows the command 'groups' being executed, resulting in the output 'guest'. The prompt returns to '[guest@qjarishekk ~]\$'.

- cat /etc/passwd

```

guest@qjarishekk:~$ groups
guest
guest@qjarishekk:~$ cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:Kernel Overflow User:/:/sbin/nologin
systemd-coredump:x:999:997:systemd Core Dumper:/:/sbin/nologin
dbus:x:81:81:System message bus:/:/sbin/nologin
polkitd:x:998:996:User for polkitd:/:/sbin/nologin
avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin
rtkit:x:172:172:RealtimeKit:/proc:/sbin/nologin
pipewire:x:997:994:PipeWire System Daemon:/run/pipewire:/usr/sbin/nologin
sssd:x:996:993:User for sssd:/:/sbin/nologin
libstoragemgmt:x:991:991:daemon account for libstoragemgmt:/:/usr/sbin/nologin
tss:x:59:59:Account used for TPM access:/:/usr/sbin/nologin
geoclue:x:990:989:User for geoclue:/var/lib/geoclue:/sbin/nologin
cockpit-ws:x:989:988:User for cockpit web services:/nonexisting:/sbin/nologin
cockpit-wsinstance:x:988:987:User for cockpit-ws instances:/nonexisting:/sbin/nologin
flatpak:x:987:986:User for flatpak system helper:/:/sbin/nologin
colord:x:986:985:User for colord:/var/lib/colord:/sbin/nologin
clevis:x:985:984:clevis Decryption Framework unprivileged user:/var/cache/clevis:/usr/sbin/nologin
setroubleshoot:x:984:983:SELinux troubleshoot server:/var/lib/setroubleshoot:/usr/sbin/nologin
gdm:x:42:42:/:/var/lib/gdm:/sbin/nologin
pesign:x:983:982:Group for the pesign signing daemon:/run/pesign:/sbin/nologin
gnome-initial-setup:x:982:981:/:run/gnome-initial-setup:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/usr/sbin/nologin
chrony:x:981:980:chrony system user:/var/lib/chrony:/sbin/nologin
dnsmasq:x:980:979:Dnsmasq DHCP and DNS server:/var/lib/dnsmasq:/usr/sbin/nologin
tcpdump:x:72:72:/:/sbin/nologin
qjarishekk:x:1000:1000:qjarishekk:/home/qjarishekk:/bin/bash
vboxadd:x:979:1:/:/var/run/vboxadd:/bin/false
stapunpriv:x:159:159:systemtap unprivileged user:/var/lib/stapunpriv:/sbin/nologin
guest:x:1001:1001:/:/home/guest:/bin/bash
guest@qjarishekk:~$

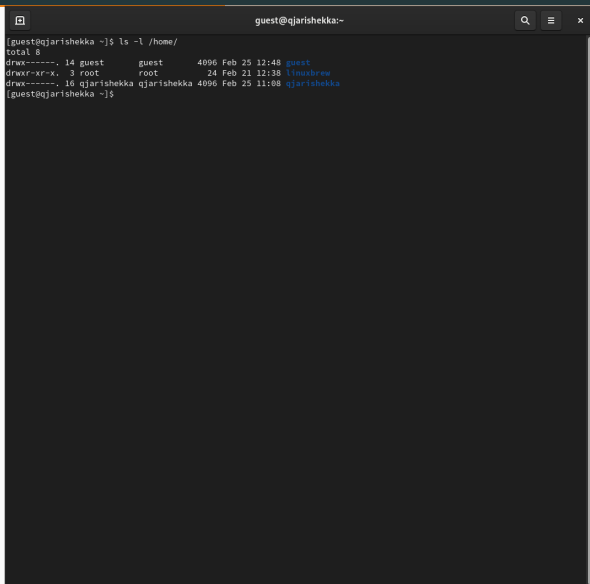
```

- `cat /etc/passwd | grep guest`

```
guest@qjarishekk:~$ groups
guest
guest@qjarishekk:~$ cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:Kernel Overflow User:/:/sbin/nologin
systemd-coredump:x:999:997:systemd Core Dumper:/:/sbin/nologin
dbus:x:81:81:System message bus:/:/sbin/nologin
polkitd:x:998:996:User for polkitd:/:/sbin/nologin
avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin
rtkit:x:172:172:RealtimeKit:/proc:/sbin/nologin
pipewire:x:997:994:PipeWire System Daemon:/run/pipewire:/usr/sbin/nologin
sssd:x:996:993:User for sssd:/:/sbin/nologin
libstoragemgmt:x:991:991:daemon account for libstoragemgmt:/:/usr/sbin/nologin
tss:x:59:59:Account used for TPM access:/:/usr/sbin/nologin
geoclue:x:990:989:User for geoclue:/var/lib/geoclue:/sbin/nologin
cockpit-ws:x:989:988:User for cockpit web services:/nonexisting:/sbin/nologin
cockpit-wsinstance:x:988:987:User for cockpit-ws instances:/nonexisting:/sbin/nologin
flatpak:x:987:986:User for flatpak system helper:/:/sbin/nologin
colord:x:986:985:User for colord:/var/lib/colord:/sbin/nologin
clevis:x:985:984:clevis Decryption Framework unprivileged user:/var/cache/clevis:/usr/sbin/nologin
setroubleshoot:x:984:983:SELinux troubleshoot server:/var/lib/setroubleshoot:/usr/sbin/nologin
gdm:x:42:42:/:/var/lib/gdm:/sbin/nologin
pesign:x:983:982:Group for the pesign signing daemon:/run/pesign:/sbin/nologin
gnome-initial-setup:x:982:981:/:run/gnome-initial-setup:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/usr/sbin/nologin
chrony:x:981:980:chrony system user:/var/lib/chrony:/sbin/nologin
dnsmasq:x:980:979:Dnsmasq DHCP and DNS server:/var/lib/dnsmasq:/usr/sbin/nologin
tcpdump:x:72:72:/:/sbin/nologin
qjarishekk:x:1000:1000:qjarishekk:/home/qjarishekk:/bin/bash
vboxadd:x:979:1:/:/var/run/vboxadd:/bin/false
stapunpriv:x:159:159:systemtap unprivileged user:/var/lib/stapunpriv:/sbin/nologin
guest:x:1001:1001:/:/home/guest:/bin/bash
guest@qjarishekk:~$ cat /etc/passwd | grep guest
guest:x:1001:1001:/:/home/guest:/bin/bash
guest@qjarishekk:~$
```

## существующие в системе директории

- `ls -l /home/`



```
guest@qjarishekk:~  
[guest@qjarishekk ~]$ ls -l /home/  
total 8  
drwx-----. 14 guest      guest      4096 Feb 25 12:48 guest  
drwxr-xr-x.  3 root       root       24 Feb 21 12:38 linuxbrew  
drwx-----. 16 qjarishekk qjarishekk 4096 Feb 25 11:08 qjarishekk  
[guest@qjarishekk ~]$
```

## расширенные атрибуты установлены

- lsattr /home

```
guest@qjarishekk:~  
[guest@qjarishekk ~]$ ls -l /home/  
total 8  
drwx-----. 14 guest      guest      4096 Feb 25 12:48 guest  
drwxr-xr-x.  3 root       root       4096 Feb 21 12:38 linuxbrew  
drwx-----. 16 qjarishekk qjarishekk 4096 Feb 25 11:08 qjarishekk  
[guest@qjarishekk ~]$ lsattr /home  
lsattr: Permission denied while reading flags on /home/qjarishekk  
----- /home/linuxbrew  
----- /home/guest  
[guest@qjarishekk ~]$
```

- mkdir dir1

```
guest@qjarishekk:~  
[guest@qjarishekk ~]$ ls -l /home/  
total 8  
drwx-----. 14 guest      guest      4096 Feb 25 12:48 guest  
drwxr-xr-x.  3 root       root       4096 Feb 21 12:38 linuxbrew  
drwx-----. 16 qjarishekk qjarishekk 4096 Feb 25 11:08 qjarishekk  
[guest@qjarishekk ~]$ lsattr /home  
lsattr: Permission denied while reading flags on /home/qjarishekk  
----- /home/linuxbrew  
----- /home/guest  
[guest@qjarishekk ~]$ mkdir dir1  
[guest@qjarishekk ~]$ ls  
Desktop  dir1  Documents  Downloads  Music  Pictures  Public  Templates  Videos  
[guest@qjarishekk ~]$
```

# определение прав доступа и расширенные атрибуты

- ls -l
- lsattr

```
guest@qjarishekk:~  
[guest@qjarishekk ~]$ ls -l /home/  
total 8  
drwx-----, 14 guest      guest      4096 Feb 25 12:48 guest  
drwxr-xr-x, 3 root        root        24 Feb 21 12:38 linuxbrew  
drwx-----, 16 qjarishekk qjarishekk 4096 Feb 25 11:08 qjarishekk  
[guest@qjarishekk ~]$ lsattr /home  
lsattr: Permission denied while reading flags on /home/qjarishekk  
----- /home/linuxbrew  
----- /home/guest  
[guest@qjarishekk ~]$ mkdir dir1  
[guest@qjarishekk ~]$ ls  
Desktop dir1 Documents Downloads Music Pictures Public Templates Videos  
[guest@qjarishekk ~]$ ls -l  
total 4  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Desktop  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:54 dir1  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Documents  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Downloads  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Music  
drwxr-xr-x, 2 guest guest 4096 Feb 25 12:54 Pictures  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Public  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Templates  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Videos  
[guest@qjarishekk ~]$ lsattr  
----- ./Desktop  
----- ./Downloads  
----- ./Templates  
----- ./Public  
----- ./Documents  
----- ./Music  
----- ./Pictures  
----- ./Videos  
----- ./dir1  
[guest@qjarishekk ~]$
```



# изменение атрибутов

- `chmod 000 dir1`

```
guest@qjarishekk:~  
[guest@qjarishekk ~]$ ls -l /home/  
total 8  
drwx-----, 14 guest      guest      4096 Feb 25 12:48 guest  
drwxr-xr-x, 3 root        root        24 Feb 21 12:38 linuxbrew  
drwx-----, 16 qjarishekk qjarishekk 4096 Feb 25 11:08 qjarishekk  
[guest@qjarishekk ~]$ lsattr /home  
lsattr: Permission denied while reading flags on /home/qjarishekk  
----- /home/linuxbrew  
----- /home/guest  
[guest@qjarishekk ~]$ mkdir dir1  
[guest@qjarishekk ~]$ ls  
Desktop dir1 Documents Downloads Music Pictures Public Templates Videos  
[guest@qjarishekk ~]$ ls -l  
total 4  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Desktop  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:54 dir1  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Documents  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Downloads  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Music  
drwxr-xr-x, 2 guest guest 4096 Feb 25 12:54 Pictures  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Public  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Templates  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Videos  
[guest@qjarishekk ~]$ lsattr  
----- ./Desktop  
----- ./Downloads  
----- ./Templates  
----- ./Public  
----- ./Documents  
----- ./Music  
----- ./Pictures  
----- ./Videos  
----- ./dir1  
[guest@qjarishekk ~]$ chmod 000 dir1  
[guest@qjarishekk ~]$ ls -l  
total 4  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Desktop  
d-----, 2 guest guest    6 Feb 25 12:54 dir1  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Documents  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Downloads  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Music  
drwxr-xr-x, 2 guest guest 4096 Feb 25 12:54 Pictures  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Public  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Templates  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Videos  
[guest@qjarishekk ~]$
```

## попытка создания нового файла

- `echo "test" > /home/guest/dir1/file1`

```
guest@qjarishekk:~  
[guest@qjarishekk ~]$ ls -l /home/  
total 8  
drwx-----, 14 guest      guest      4096 Feb 25 12:48 guest  
drwxr-xr-x, 3 root        root        24 Feb 21 12:38 linuxbrew  
drwx-----, 16 qjarishekk qjarishekk 4096 Feb 25 11:08 qjarishekk  
[guest@qjarishekk ~]$ lsattr /home  
lsattr: Permission denied while reading flags on /home/qjarishekk  
----- /home/linuxbrew  
----- /home/guest  
[guest@qjarishekk ~]$ mkdir dir1  
[guest@qjarishekk ~]$ ls  
Desktop  dir1  Documents  Downloads  Music  Pictures  Public  Templates  Videos  
[guest@qjarishekk ~]$ ls -l  
total 4  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Desktop  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:54 dir1  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Documents  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Downloads  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Music  
drwxr-xr-x, 2 guest guest 4096 Feb 25 12:54 Pictures  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Public  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Templates  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Videos  
[guest@qjarishekk ~]$ lsattr  
----- ./Desktop  
----- ./Downloads  
----- ./Templates  
----- ./Public  
----- ./Documents  
----- ./Music  
----- ./Pictures  
----- ./Videos  
----- ./dir1  
[guest@qjarishekk ~]$ chmod 000 dir1  
[guest@qjarishekk ~]$ ls -l  
total 4  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Desktop  
d-----, 2 guest guest    6 Feb 25 12:54 dir1  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Documents  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Downloads  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Music  
drwxr-xr-x, 2 guest guest 4096 Feb 25 12:54 Pictures  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Public  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Templates  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Videos  
[guest@qjarishekk ~]$ echo "test" > /home/guest/dir1/file1  
bash: /home/guest/dir1/file1: Permission denied  
[guest@qjarishekk ~]$
```

## проверка создания

- `ls -l /home/guest/dir1`

```
guest@qjarishekk:~  
[guest@qjarishekk ~]$ ls -l /home/  
total 8  
drwx-----, 14 guest      guest      4096 Feb 25 12:48 guest  
drwxr-xr-x, 3 root        root        24 Feb 21 12:38 linuxbrew  
drwx-----, 16 qjarishekk qjarishekk 4096 Feb 25 11:08 qjarishekk  
[guest@qjarishekk ~]$ lsattr /home  
lsattr: Permission denied while reading flags on /home/qjarishekk  
----- /home/linuxbrew  
----- /home/guest  
[guest@qjarishekk ~]$ mkdir dir1  
[guest@qjarishekk ~]$ ls  
Desktop dir1 Documents Downloads Music Pictures Public Templates Videos  
[guest@qjarishekk ~]$ ls -l  
total 4  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Desktop  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:54 dir1  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Documents  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Downloads  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Music  
drwxr-xr-x, 2 guest guest 4096 Feb 25 12:54 Pictures  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Public  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Templates  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Videos  
[guest@qjarishekk ~]$ lsattr  
----- ./Desktop  
----- ./Downloads  
----- ./Templates  
----- ./Public  
----- ./Documents  
----- ./Music  
----- ./Pictures  
----- ./Videos  
----- ./dir1  
[guest@qjarishekk ~]$ chmod 000 dir1  
[guest@qjarishekk ~]$ ls -l  
total 4  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Desktop  
d-----, 2 guest guest    6 Feb 25 12:54 dir1  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Documents  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Downloads  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Music  
drwxr-xr-x, 2 guest guest 4096 Feb 25 12:54 Pictures  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Public  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Templates  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Videos  
[guest@qjarishekk ~]$ echo "test" > /home/guest/dir1/file1  
bash: /home/guest/dir1/file1: Permission denied  
[guest@qjarishekk ~]$ ls -l /home/guest/dir1  
ls: cannot open directory '/home/guest/dir1': Permission denied  
[guest@qjarishekk ~]$
```

таблица прав доступа

---

# таблица прав доступа

- example

```
guest@qjarishekk:~  
[guest@qjarishekk ~]$ ls -l /home/  
total 8  
drwx-----, 14 guest      guest      4096 Feb 25 12:48 guest  
drwxr-xr-x, 3 root        root        24 Feb 21 12:38 linuxbrew  
drwx-----, 16 qjarishekk qjarishekk 4096 Feb 25 11:08 qjarishekk  
[guest@qjarishekk ~]$ lsattr /home  
lsattr: Permission denied while reading flags on /home/qjarishekk  
----- /home/linuxbrew  
----- /home/guest  
[guest@qjarishekk ~]$ mkdir dir1  
[guest@qjarishekk ~]$ ls  
Desktop dir1 Documents Downloads Music Pictures Public Templates Videos  
[guest@qjarishekk ~]$ ls -l  
total 4  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Desktop  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:54 dir1  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Documents  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Downloads  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Music  
drwxr-xr-x, 2 guest guest 4096 Feb 25 12:54 Pictures  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Public  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Templates  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Videos  
[guest@qjarishekk ~]$ lsattr  
----- ./Desktop  
----- ./Downloads  
----- ./Templates  
----- ./Public  
----- ./Documents  
----- ./Music  
----- ./Pictures  
----- ./Videos  
----- ./dir1  
[guest@qjarishekk ~]$ chmod 000 dir1  
[guest@qjarishekk ~]$ ls -l  
total 4  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Desktop  
d-----, 2 guest guest    6 Feb 25 12:54 dir1  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Documents  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Downloads  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Music  
drwxr-xr-x, 2 guest guest 4096 Feb 25 12:54 Pictures  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Public  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Templates  
drwxr-xr-x, 2 guest guest    6 Feb 25 12:48 Videos  
[guest@qjarishekk ~]$ echo "test" > /home/guest/dir1/file1  
bash: /home/guest/dir1/file1: Permission denied  
[guest@qjarishekk ~]$ ls -l /home/guest/dir1  
ls: cannot open directory '/home/guest/dir1': Permission denied  
[guest@qjarishekk ~]$
```