

1. Креирај директориум share во твојот домашен директориум.
2. Потоа постави ги привилегиите така што корисниците од твојата група ќе можат да ја прегледуваат содржината на тој директориум.
3. Забрани им било каков пристап на останатите корисници (group и others) до директориумот share.

```
semos@Semos-EDU: ~  
+ x semos  
drwxr-xr-x 2 semos semos 4096 Sep 25 19:12 Documents  
drwxr-xr-x 2 semos semos 4096 Mar 6 2024 Downloads  
drwxr-xr-x 2 semos semos 4096 Mar 6 2024 Music  
d----- 3 semos semos 4096 Sep 25 23:13 obuka  
drwxr-xr-x 2 semos semos 4096 Mar 6 2024 Pictures  
-r----- 1 semos semos 0 Sep 25 23:28 proba  
-rw-rw-r-- 1 semos semos 0 Sep 25 23:11 programa  
drwxr-xr-x 2 semos semos 4096 Mar 6 2024 Public  
drwxrwxr-x 2 semos semos 4096 Sep 27 15:41 share  
drwxr-xr-x 2 semos semos 4096 Mar 6 2024 Templates  
drwxr-xr-x 2 semos semos 4096 Mar 6 2024 Videos  
semos@Semos-EDU:~$ chmod 750 share  
semos@Semos-EDU:~$ ls -l  
total 40  
drwxr-xr-x 2 semos semos 4096 Mar 6 2024 Desktop  
drwxr-xr-x 2 semos semos 4096 Sep 25 19:12 Documents  
drwxr-xr-x 2 semos semos 4096 Mar 6 2024 Downloads  
drwxr-xr-x 2 semos semos 4096 Mar 6 2024 Music  
d----- 3 semos semos 4096 Sep 25 23:13 obuka  
drwxr-xr-x 2 semos semos 4096 Mar 6 2024 Pictures  
-r----- 1 semos semos 0 Sep 25 23:28 proba  
-rw-rw-r-- 1 semos semos 0 Sep 25 23:11 programa  
drwxr-xr-x 2 semos semos 4096 Mar 6 2024 Public  
drwxr-xr-x 2 semos semos 4096 Sep 27 15:41 share  
drwxr-xr-x 2 semos semos 4096 Mar 6 2024 Templates  
drwxr-xr-x 2 semos semos 4096 Mar 6 2024 Videos  
semos@Semos-EDU:~$ chmod 700 share  
semos@Semos-EDU:~$ ls -l  
total 40  
drwxr-xr-x 2 semos semos 4096 Mar 6 2024 Desktop  
drwxr-xr-x 2 semos semos 4096 Sep 25 19:12 Documents  
drwxr-xr-x 2 semos semos 4096 Mar 6 2024 Downloads  
drwxr-xr-x 2 semos semos 4096 Mar 6 2024 Music  
d----- 3 semos semos 4096 Sep 25 23:13 obuka  
drwxr-xr-x 2 semos semos 4096 Mar 6 2024 Pictures  
-r----- 1 semos semos 0 Sep 25 23:28 proba  
-rw-rw-r-- 1 semos semos 0 Sep 25 23:11 programa  
drwxr-xr-x 2 semos semos 4096 Mar 6 2024 Public  
drwx----- 2 semos semos 4096 Sep 27 15:41 share
```

4. Креирај датотека со име proba во твојот домашен директориум.
5. Потоа постави привилегии само за читање на другите корисници.

```
semos@Semos-EDU: ~  
+ x semos  
semos@Semos-EDU:~$ pwd  
/home/semos  
semos@Semos-EDU:~$ ls  
Desktop Documents Downloads Music obuka Pictures programa Public share Templates Videos  
semos@Semos-EDU:~$ touch proba  
semos@Semos-EDU:~$ ls  
Desktop Documents Downloads Music obuka Pictures proba programa Public share Templates Videos  
semos@Semos-EDU:~$ chmod 644 proba  
semos@Semos-EDU:~$ ls -l  
total 40  
drwxr-xr-x 2 semos semos 4096 Mar  6 2024 Desktop  
drwxr-xr-x 2 semos semos 4096 Sep 25 19:12 Documents  
drwxr-xr-x 2 semos semos 4096 Mar  6 2024 Downloads  
drwxr-xr-x 2 semos semos 4096 Mar  6 2024 Music  
d----- 3 semos semos 4096 Sep 25 23:13 obuka  
drwxr-xr-x 2 semos semos 4096 Mar  6 2024 Pictures  
-rw-r--r-- 1 semos semos  0 Sep 27 15:45 proba  
-rw-rw-r-- 1 semos semos  0 Sep 25 23:11 programa  
drwxr-xr-x 2 semos semos 4096 Mar  6 2024 Public  
drwx----- 2 semos semos 4096 Sep 27 15:41 share  
drwxr-xr-x 2 semos semos 4096 Mar  6 2024 Templates  
drwxr-xr-x 2 semos semos 4096 Mar  6 2024 Videos  
semos@Semos-EDU:~$
```

6. Креирај zip-увана архива од директориумот /home/semos со име semos.tar.gz.

7. Потоа креирај директориум arhiva и распакувај на архивата во него.

```
Applications Fri, Sep 27 16:00 US  
semos@Semos-EDU: ~  
+ x semos  
semos@Semos-EDU:~$ pwd  
/home/semos  
semos@Semos-EDU:~$ zip -czf semos.tar.gz -C /home/semos  
zip error: Invalid command arguments (short option 'C' not supported)  
semos@Semos-EDU:~$ tar -czf semos.tar.gz /home/semos  
tar: Removing leading '/' from member names  
tar: /home/semos/obuka: Cannot open: Permission denied  
tar: Removing leading '/' from hard link targets  
tar: /home/semos: file changed as we read it  
tar: Exiting with failure status due to previous errors  
semos@Semos-EDU:~$ ls -l semos.tar.gz  
-rw-rw-r-- 1 semos semos 276323267 Sep 27 15:55 semos.tar.gz  
semos@Semos-EDU:~$ ls  
Desktop Documents Downloads Music obuka Pictures proba programa Public semos.tar.gz share Templates Videos  
semos@Semos-EDU:~$ mkdir arhiva  
semos@Semos-EDU:~$ ls  
arhiva Documents Music Pictures programa semos.tar.gz Templates  
Desktop Downloads obuka proba Public share Videos  
semos@Semos-EDU:~$ ls -l semos.tar.gz  
-rw-rw-r-- 1 semos semos 276323267 Sep 27 15:55 semos.tar.gz  
semos@Semos-EDU:~$ tar -xzf semos.tar.gz -C arhiva  
semos@Semos-EDU:~$ ls -l arhiva  
total 4  
drwxrwxr-x 3 semos semos 4096 Sep 27 16:00 home  
semos@Semos-EDU:~$
```

## 8. Креирај ssh клучеви, ископирај ги на ssh серверот и поврзи се со него.

```
+----[SHA256]-----+
semos@Semos-EDU:~$ ssh-copy-id semos@192.168.2.108
The authenticity of host '192.168.2.108 (192.168.2.108)' can't be established.
ED25519 key fingerprint is SHA256:NS1BJeZ0q3N0YZMeau7nyVFXQFAa4cpctwtmgAMXU18.
This host key is known by the following other names/addresses:
  ~/.ssh/known_hosts:1: [hashed name]
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install the new keys
semos@192.168.2.108's password:
Permission denied, please try again.
semos@192.168.2.108's password:

Number of key(s) added: 1

Now try logging into the machine, with: "ssh 'semos@192.168.2.108'"
and check to make sure that only the key(s) you wanted were added.

semos@Semos-EDU:~$ ssh semos@192.168.2.108
Welcome to elementary OS 7.1 Horus (GNU/Linux 6.5.0-21-generic x86_64)
Built on Ubuntu 22.04.3 LTS
Website: https://elementary.io
semos@Semos-EDU:~$ 
semos@Semos-EDU:~$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
    inet 192.168.1.108  netmask 255.255.240.0  broadcast 192.168.15.255
    inet6 fe80::85e9:cc2e:cd4d:d698  prefixlen 64  scopeid 0x20<link>
    ether 00:15:5d:01:68:04  txqueuelen 1000  (Ethernet)
    RX packets 208  bytes 38615 (38.6 KB)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 1197  bytes 93261 (93.2 KB)
    TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
    inet 127.0.0.1  netmask 255.0.0.0
    inet6 ::1  prefixlen 128  scopeid 0x10<host>
    loop txqueuelen 1000  (Local Loopback)
    RX packets 275  bytes 28535 (28.5 KB)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 275  bytes 28535 (28.5 KB)
    TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

semos@Semos-EDU:~$ whoami
semos
semos@Semos-EDU:~$ uname
Linux
semos@Semos-EDU:~$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/semos/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/semos/.ssh/id_rsa
Your public key has been saved in /home/semos/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:V8yR5yMjJswFyFIDaV4QE0KTG0xzYkrda0B43oE90R4  semos@Semos-EDU
The key's randomart image is:
+---[RSA 3072]-----+
| =%0@0+ . . . . . |
```