1. напишите программу на Shell для резервирования каталога пользователя (под вашем именем) (каким архиватором, спросите у преподавателя). (скриншот кода программы в отчет)

```
taiiiga@taiiiga-VirtualBox:/home$ cat reserve.sh
tar -Puf backup.tar /home/taiiiga
```

2. сделайте автоматический запуск этого скрипта (в /etc/crontab), для создания ежедневной, еженедельной и ежемесячной копии. (скриншот crontab в отчет)

```
  GNU nano 5.2                    /etc/crontab                        Modified
# Unlike any other crontab you don't have to run the `crontab'
# command to install the new version when you edit this file
# and files in /etc/cron.d. These files also have username fields,
# that none of the other crontabs do.

SHELL=/bin/sh
PATH=/usr/local/sbin:/usr/local/bin:/sbin:/bin:/usr/sbin:/usr/bin

# Example of job definition:
# .--------------- minute (0 - 59)
# |  .------------ hour (0 - 23)
# |  |  .--------- day of month (1 - 31)
# |  |  |  .------ month (1 - 12) OR jan,feb,mar,apr ...
# |  |  |  |  .---- day of week (0 - 6) (Sunday=0 or 7) OR sun,mon,tue,wed,thu>
# |  |  |  |  |
# *  *  *  *  * user-name command to be executed
17 *     * * *    root    cd / && run-parts --report /etc/cron.hourly
25 6     * * *    root    test -x /usr/sbin/anacron || ( cd / && run-parts --rep>
47 6     * * 7    root    test -x /usr/sbin/anacron || ( cd / && run-parts --rep>
52 6     1 * *    root    test -x /usr/sbin/anacron || ( cd / && run-parts --rep>
0  0     * * *    root    sh /home/reserve.sh
0  0     * * 0    root    sh /home/reserve.sh
0  0     1 * *    root    sh /home/reserve.sh
#
```

3. сделайте чтобы в имени файла архива присутствовала дата создания архива и ваше имя. (скриншот кода программы в отчет)

```
  GNU nano 5.2                    reserve.sh                          Modified
name="Iskander"
date_now=$(date +%d-%m-%Y)
tar -Puf backup_${name}_${date_now}.tar /home/taiiiga
```

4. удалить и восстановить каталог из архива каталог (скриншот восстановления в отчет)

```
taiiiga@taiiiga-VirtualBox:/home$ sudo sh reserve.sh
taiiiga@taiiiga-VirtualBox:/home$ ls
backup_Iskander_17-03-2021.tar   reserve.sh   taiiiga
taiiiga@taiiiga-VirtualBox:/home$ sudo rm -r taiiiga
rm: cannot remove 'taiiiga': Directory not empty
taiiiga@taiiiga-VirtualBox:/home$ sudo rm -r taiiiga/
taiiiga@taiiiga-VirtualBox:/home$ ls
backup_Iskander_17-03-2021.tar   reserve.sh
taiiiga@taiiiga-VirtualBox:/home$ sudo tar -xvf backup_Iskander_17-03-2021.tar
tar: Removing leading `/' from member names
/home/taiiiga/
/home/taiiiga/Documents/
/home/taiiiga/Videos/
/home/taiiiga/Pictures/
/home/taiiiga/.sudo_as_admin_successful
/home/taiiiga/.local/
/home/taiiiga/.local/share/
/home/taiiiga/.local/share/xorg/
/home/taiiiga/.local/share/xorg/Xorg.0.log
/home/taiiiga/.local/share/gvfs-metadata/
/home/taiiiga/.local/share/gvfs-metadata/trash:-08b22db5.log
/home/taiiiga/.local/share/gvfs-metadata/trash:
/home/taiiiga/.local/share/gvfs-metadata/home-e4196d84.log
/home/taiiiga/.local/share/gvfs-metadata/root
/home/taiiiga/.local/share/gvfs-metadata/home
/home/taiiiga/.local/share/gvfs-metadata/root-9838d1a7.log
/home/taiiiga/.local/share/ibus-table/
/home/taiiiga/.local/share/webkitgtk/
/home/taiiiga/.local/share/webkitgtk/deviceidhashsalts/

/home/taiiiga/Templates/
/home/taiiiga/.mozilla/
/home/taiiiga/.mozilla/extensions/
/home/taiiiga/.mozilla/firefox/
/home/taiiiga/.mozilla/firefox/Pending Pings/
/home/taiiiga/.mozilla/firefox/Crash Reports/
/home/taiiiga/.mozilla/firefox/Crash Reports/InstallTime20201012085804
/home/taiiiga/.mozilla/firefox/Crash Reports/events/
/home/taiiiga/.mozilla/firefox/0ljhbmvx.default-release/
/home/taiiiga/.mozilla/firefox/0ljhbmvx.default-release/cookies.sqlite
/home/taiiiga/.mozilla/firefox/0ljhbmvx.default-release/crashes/
/home/taiiiga/.mozilla/firefox/0ljhbmvx.default-release/crashes/events/
/home/taiiiga/.mozilla/firefox/0ljhbmvx.default-release/prefs.js
/home/taiiiga/.mozilla/firefox/0ljhbmvx.default-release/extensions/
/home/taiiiga/.mozilla/firefox/0ljhbmvx.default-release/permissions.sqlite
/home/taiiiga/.mozilla/firefox/0ljhbmvx.default-release/compatibility.ini
/home/taiiiga/.mozilla/firefox/0ljhbmvx.default-release/times.json
/home/taiiiga/.mozilla/firefox/0ljhbmvx.default-release/.parentlock
/home/taiiiga/.mozilla/firefox/0ljhbmvx.default-release/minidumps/
/home/taiiiga/.mozilla/firefox/installs.ini
/home/taiiiga/.mozilla/firefox/profiles.ini
/home/taiiiga/.mozilla/firefox/469c55ne.default/
/home/taiiiga/.mozilla/firefox/469c55ne.default/times.json
taiiiga@taiiiga-VirtualBox:/home$ ls
backup_Iskander_17-03-2021.tar   home   reserve.sh
taiiiga@taiiiga-VirtualBox:/home$ cd home
taiiiga@taiiiga-VirtualBox:/home/home$ ls
taiiiga
```