

Exercise 1

Write list of commands ala simple script, which will:

- List content of the `/etc` directory
- List file info of `/etc/passwd` (size, access rights etc.)
- Copy the file `/etc/passwd` to your home (hint: using `cp /etc/passwd ~/passwd.copy`)
- Add new user named "ukolvT11"
- Check by `ls` command that the file `/etc/passwd` has changed size etc.
- Use `diff` command to show difference between the `/etc/passwd` and `~/passwd.copy`
- Change "shell" of the new user from `/bin/bash` to `/usr/bin/zsh` (hint: `chsh`)
- Change access rights of the `~/passwd.copy` file so that no-one can write into the file and only the owner can read it (nor group, nor others)
- Change the ownership of the file to the superuser `root` and group `root`
- Check by `ls` command that you can't read this file now
- Remove the recently added user "ukolvT11"
- Check by `diff` command that the `/etc/passwd` and `~/passwd.copy` are same again

Make sure the script has a header that to be run in shell `/bin/bash`. Use `sudo` on appropriate lines (not all operations above will be allowed to you as an ordinary user).