VAJE 7 – Domača naloga

- **Datoteke in mape**

```
tp0418@DESKTOP-HU97VJ5:~$ mkdir UvR
tp0418@DESKTOP-HU97VJ5:~$ cd UvR
tp0418@DESKTOP-HU97VJ5:~/UvR$ touch vaje1.txt
tp0418@DESKTOP-HU97VJ5:~/UvR$ cal 8 2000 > vaje1.txt
tp0418@DESKTOP-HU97VJ5:~/UvR$ head vaje1.txt
    August 2000
Su Mo Tu We Th Fr Sa
       1  2  3  4  5
 6  7  8  9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30 31

tp0418@DESKTOP-HU97VJ5:~/UvR$ ls -lh
total 4.0K
-rw-r--r-- 1 tp0418 tp0418 184 Nov 29 12:51 vaje1.txt
tp0418@DESKTOP-HU97VJ5:~/UvR$ touch -t 202011151251 vaje1.txt
tp0418@DESKTOP-HU97VJ5:~/UvR$ ls -lh
total 4.0K
-rw-r--r-- 1 tp0418 tp0418 184 Nov 15 12:51 vaje1.txt
tp0418@DESKTOP-HU97VJ5:~/UvR$ cat > vaje2.txt
Moje
ime
je
Tilen
Padovnik
tp0418@DESKTOP-HU97VJ5:~/UvR$ head -n 1 vaje2.txt && tail -n 1 vaje2.txt
Moje
Padovnik
tp0418@DESKTOP-HU97VJ5:~/UvR$ cd ~
tp0418@DESKTOP-HU97VJ5:~$ mkdir UvR_vaje
tp0418@DESKTOP-HU97VJ5:~$ cd UvR
tp0418@DESKTOP-HU97VJ5:~/UvR$ cp vaje1.txt vaje2.txt ~/UvR_vaje
tp0418@DESKTOP-HU97VJ5:~/UvR$ cd ~
tp0418@DESKTOP-HU97VJ5:~$ rm -r UvR
tp0418@DESKTOP-HU97VJ5:~$ ls
UvR_vaje
tp0418@DESKTOP-HU97VJ5:~$ cd UvR_vaje
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$ cat vaje2.txt >> vaje1.txt
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$
```

- **Dovoljenja**

```
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$ chmod o-r vaje1.txt
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$ ls -lh
total 8.0K
-rw-r----- 1 tp0418 tp0418 211 Nov 29 12:59 vaje1.txt
-rw-r--r-- 1 tp0418 tp0418  27 Nov 29 12:58 vaje2.txt
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$ sudo adduser rdeca-kapica
Adding user `rdeca-kapica' ...
Adding new group `rdeca-kapica' (1003) ...
Adding new user `rdeca-kapica' (1003) with group `rdeca-kapica' ...
Creating home directory `/home/rdeca-kapica' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for rdeca-kapica
Enter the new value, or press ENTER for the default
        Full Name []:
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] Y
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$ chmod 600 vaje2.txt
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$ ls -lh
total 8.0K
-rw-r----- 1 tp0418 tp0418 211 Nov 29 12:59 vaje1.txt
-rw------- 1 tp0418 tp0418  27 Nov 29 12:58 vaje2.txt
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$ chown rdeca-kapica vaje2.txt
chown: changing ownership of 'vaje2.txt': Operation not permitted
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$ sudo chown rdeca-kapica vaje2.txt
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$ head vaje2.txt
head: cannot open 'vaje2.txt' for reading: Permission denied
```

Brez »sudo« seveda nisem imel dovoljenja in nisem mogel spremeniti lastništva

Tako pa seveda gre 😊

- **Procesi**

```
tp0418@DESKTOP-HU97VJ5:~$ cd UvR_vaje
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$ vim&
[1] 710
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$ vim&
[2] 711

[1]+ Stopped                 vim
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$ vim&
[3] 712

[2]+ Stopped                 vim
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$ pstree
init─┬─init───init───bash─┬─pstree
     │                    └─3*[vim]
     └─{init}

[3]+ Stopped                 vim
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$ pstree > vaje3.txt
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$ head vaje3.txt
init-+-init---init---bash-+-pstree
     |                    `-3*[vim]
     `-{init}
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$ ps aux
USER       PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root         1  0.0  0.0    892   552 ?        Sl   12:13   0:00 /init
root       695  0.0  0.0    892    84 ?        Ss   15:01   0:00 /init
root       696  0.0  0.0    892    84 ?        S    15:01   0:00 /init
tp0418     697  0.1  0.0  10036  5012 pts/0    Ss   15:01   0:00 -bash
tp0418     710  0.0  0.1  23260  9452 pts/0    T    15:02   0:00 vim
tp0418     711  0.0  0.1  23260  9304 pts/0    T    15:02   0:00 vim
tp0418     712  0.0  0.1  23260  9536 pts/0    T    15:02   0:00 vim
tp0418     716  0.0  0.0  10604  3252 pts/0    R+   15:03   0:00 ps aux
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$ grep 'vim' vaje3.txt
     |                    `-3*[vim]
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$ kill -9 710
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$ ps aux
USER       PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root         1  0.0  0.0    892   552 ?        Sl   12:13   0:00 /init
root       695  0.0  0.0    892    84 ?        Ss   15:01   0:00 /init
root       696  0.0  0.0    892    84 ?        S    15:01   0:00 /init
tp0418     697  0.0  0.0  10036  5012 pts/0    Ss   15:01   0:00 -bash
tp0418     711  0.0  0.1  23260  9304 pts/0    T    15:02   0:00 vim
tp0418     712  0.0  0.1  23260  9536 pts/0    T    15:02   0:00 vim
tp0418     775  0.0  0.0  10604  3256 pts/0    R+   15:11   0:00 ps aux
[1]   Killed                  vim
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$ killall -9 vim
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$ ps aux
USER       PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root         1  0.0  0.0    892   552 ?        Sl   12:13   0:00 /init
root       695  0.0  0.0    892    84 ?        Ss   15:01   0:00 /init
root       696  0.0  0.0    892    84 ?        R    15:01   0:00 /init
tp0418     697  0.0  0.0  10552  5540 pts/0    Ss   15:01   0:00 -bash
tp0418     777  0.0  0.0  10604  3364 pts/0    R+   15:12   0:00 ps aux
[2]-  Killed                  vim
[3]+  Killed                  vim
tp0418@DESKTOP-HU97VJ5:~/UvR_vaje$
```

- Ukaz » rm –rf « je lahko zelo nevaren, saj nam na silo (»force delete«) izbriše vse v določeni mapi (vso vsebino in vse mape, tudi prazne). Če ga izvedemo kot »root« uporabnik ali poganjamo s »sudo«, lahko tako pride do permanentnega brisanja direktorijev, ki jih drugače nismo želeli izbrisati ali pa do njih celo nismo imeli dostopa, a ker smo imeli dovoljenje skrbnika nas računalnik na to sploh ne opozori oz. prosi za dovoljenje. Še posebej nevarno je to lahko v »root« direktoriju – če z »rm -rf« pobrišemo le-tega bomo tako formatirali naš celoten sistem in s tem izgubili vse podatke, kar pa si seveda nihče ne želi.

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