

Lab 8

Question I

```
1/1 v + [ ] [ ] x
Tilix: federico-silva@federico-silva-VMware-Virtual-Platform: ~
...ico-silva@federico-silva-VMware-Virtual-Platform: ~ A [ ] x
federico-silva@federico-silva-VMware-Virtual-Platform:~$ awk -F: '{print $1}' /etc/passwd
root
daemon
bin
sys
sync
games
man
lp
mail
news
uucp
proxy
www-data
backup
list
irc
_apt
nobody
systemd-network
systemd-timesync
dhcpcd
messagebus
syslog
systemd-resolve
uuidd
usbmux
tss
systemd-oom
kernoops
whoopsie
dnsmasq
avahi
tcpdump
sssd
speech-dispatcher
cups-ok-helper

2: federico-silva@federico-silva-VMware-Virtual-Platform:~$ awk -F: '{print $1, $NF}' /etc/passwd
root /bin/bash
daemon /usr/sbin/nologin
bin /usr/sbin/nologin
sys /usr/sbin/nologin
sync /bin/sync

... a@federico-silva-VMware-Virtual-Platform: ~ A [ ] x
federico-silva@federico-silva-VMware-Virtual-Platform:~$ awk -F: '{print $1, $7, $6}' /etc/passwd
root /bin/bash /root
daemon /usr/sbin/nologin /usr/sbin
bin /usr/sbin/nologin /bin
sys /usr/sbin/nologin /dev
sync /bin/sync /bin
games /usr/sbin/nologin /usr/games
man /usr/sbin/nologin /var/cache/man
lp /usr/sbin/nologin /var/spool/lpd
mail /usr/sbin/nologin /var/mail
news /usr/sbin/nologin /var/spool/news
uucp /usr/sbin/nologin /var/spool/uucp
proxy /usr/sbin/nologin /bin
www-data /usr/sbin/nologin /var/www
backup /usr/sbin/nologin /var/backups
list /usr/sbin/nologin /var/list
irc /usr/sbin/nologin /run/ircd
_apt /usr/sbin/nologin /nonexistent
nobody /usr/sbin/nologin /nonexistent
systemd-network /usr/sbin/nologin /
systemd-timesync /usr/sbin/nologin /
dhcpcd /bin/false /usr/lib/dhcpcd
messagebus /usr/sbin/nologin /nonexistent
syslog /usr/sbin/nologin /nonexistent
systemd-resolve /usr/sbin/nologin /
uuidd /usr/sbin/nologin /run/uuidd
usbmux /usr/sbin/nologin /var/lib/usbmux
tss /bin/false /var/lib/tom

... federico-silva@federico-silva-VMware-Virtual-Platform:~$ awk -F: '{print "The user:", $1, "logs in with:", $7, "and is home dir is:", $6}' /etc/passwd
The user: root logs in with: /bin/bash and is home dir is: /root
The user: daemon logs in with: /usr/sbin/nologin and is home dir is: /usr/sbin
The user: bin logs in with: /usr/sbin/nologin and is home dir is: /bin
The user: sys logs in with: /usr/sbin/nologin and is home dir is: /dev
The user: sync logs in with: /bin/sync and is home dir is: /bin
The user: games logs in with: /usr/sbin/nologin and is home dir is: /usr/games
The user: man logs in with: /usr/sbin/nologin and is home dir is: /var/cache/man
The user: lp logs in with: /usr/sbin/nologin and is home dir is: /var/spool/lpd
The user: mail logs in with: /usr/sbin/nologin and is home dir is: /var/mail
The user: news logs in with: /usr/sbin/nologin and is home dir is: /var/spool/news
The user: uucp logs in with: /usr/sbin/nologin and is home dir is: /var/spool/uucp
The user: proxy logs in with: /usr/sbin/nologin and is home dir is: /bin
The user: www-data logs in with: /usr/sbin/

... @federico-silva-VMware-Virtual-Platform:~$ awk -F: '{print "The user:", $1, "logs in with:", $7, "and is home dir is:", $6}' /etc/passwd > report_users.txt
federico-silva@federico-silva-VMware-Virtual-Platform:~$ cat report_users.txt
federico-silva@federico-silva-VMware-Virtual-Platform:~$
```

Question II

```
1/1 v + [ ] [ ] x
Tilix: federico-silva@federico-silva-VMware-Virtual-Platform: ~
1: federico-silva@federico-silva-VMware-Virtual-Platform: ~
federico-silva@federico-silva-VMware-Virtual-Platform:~$ echo "total number of files in my home directory" >> file_report.txt
federico-silva@federico-silva-VMware-Virtual-Platform:~$ ls -lA ~ | grep -v '^d' | wc -l >> file_report.txt
federico-silva@federico-silva-VMware-Virtual-Platform:~$ echo "total number of directories in my home directory" >> file_report.txt
federico-silva@federico-silva-VMware-Virtual-Platform:~$ ls -lA ~ | grep '^d' | wc -l >> file_report.txt
ls: cannot access 'grep': No such file or directory
ls: cannot access '^d': No such file or directory
federico-silva@federico-silva-VMware-Virtual-Platform:~$ ls -lA ~ | grep '^d' | wc -l >> file_report.txt
federico-silva@federico-silva-VMware-Virtual-Platform:~$ tail -n 10 file_report.txt
.ansi_codes.sh,.apport-ignore.xml,audio,bash,.bash_aliases,.bash_history,.bash_logout,.bashrc,Book,books.csv,.cache,challenge-Lab6,cis106,.config,Desktop,docs,Documents,.dotnet,Downloads,file_report.txt,final-examen-submission,final-examen-submission.zip,games,.gitconfig,.gnupg,Hey,images,.irb_history,jpg,lab6,.lessht,.local,man,mp3,docx,images,mp3,pdf,images,mp3,xls,images,Music,musica,newsletter_template,Pictures,.pki,.profile,Public,scripts,Scripts,script.sh,snap,.ssh,.sudo_as_admin_successful,Templates,.textFiles.sh,tfi.sh,videos,Videos,.viminfo,.vscode,website,website-lab5,website-lab5.zip,website-lab5.zip.1,wget-hsts,wildcardpractice,wildcards
total number of files in my home directory
25      218     1877
Total number of directories in my home directory
0        0        0
total number of files in my home directory
25
total number of directories in my home directory
65
39
federico-silva@federico-silva-VMware-Virtual-Platform:~$
```

Question III

```

1/1 v + [ ] [ ]
Tilix: federico-silva@federico-silva-VMware-Virtual-Platform: ~

1: federico-silva@federico-silva-VMware-Virtual-Platform: ~
federico-silva@federico-silva-VMware-Virtual-Platform:~$ echo "total number of files in my home directory" >> file_report.txt
federico-silva@federico-silva-VMware-Virtual-Platform:~$ ls -lA ~ | grep -v '^d' | wc -l >> file_report.txt
federico-silva@federico-silva-VMware-Virtual-Platform:~$ echo "total number of directories in my home directory" >> file_report.txt
federico-silva@federico-silva-VMware-Virtual-Platform:~$ ls -lA ~ | grep '^d' | wc -l >> file_report.txt
ls: cannot access 'grep': No such file or directory
ls: cannot access '^d': No such file or directory
federico-silva@federico-silva-VMware-Virtual-Platform:~$ ls -lA ~ | grep '^d' | wc -l >> file_report.txt
federico-silva@federico-silva-VMware-Virtual-Platform:~$ tail -n 10 file_report.txt
.ansi_codes.sh,.apport-ignore.xml,audio,bash,.bash_aliases,.bash_history,.bash_logout,.bashrc,Book,books.csv,.cache,challenge-Lab6,cis106,.
config,Desktop,docs,Documents,.dotnet,Downloads,file_report.txt,final-examen-submission,final-examen-submission.zip,games,.gitconfig,.gnupg
,Hey,images,.irb_history,jpg,lab6,.lessht,.local,man,mp3,docx,images,mp3,pdf,images,mp3,xls,images,Musica,musica,newsletter_template,Pictur
es,.pki,.profile,Public,scripts,Scripts,script.sh,snap,.ssh,.sudo_as_admin_successful,Templates,.textFiles.sh,tft.sh,video,Videos,.viminfo,
.vscode,website,website-lab5,website-lab5.zip,website-lab5.zip.1,.wget-hsts,wildcardpractice,wildcards
total number of files in my home directory
25      218      1877
Total number of directories in my home directory
0        0        0
total number of files in my home directory
25
total number of directories in my home directory
65
39
federico-silva@federico-silva-VMware-Virtual-Platform:~$ █

```

```
Tilix: federico-silva@federico-silva-VMware-Virtual-Platform: ~  
1: federico-silva@federico-silva-VMware-Virtual-Platform: ~  
federico-silva@federico-silva-VMware-Virtual-Platform:~$ cat report_users.txt  
The user: root logs in with: /bin/bash and is home dir is: /root  
The user: daemon logs in with: /usr/sbin/nologin and is home dir is: /usr/sbin  
The user: bin logs in with: /usr/sbin/nologin and is home dir is: /bin  
The user: sys logs in with: /usr/sbin/nologin and is home dir is: /dev  
The user: sync logs in with: /bin/sync and is home dir is: /bin  
The user: games logs in with: /usr/sbin/nologin and is home dir is: /usr/games  
The user: man logs in with: /usr/sbin/nologin and is home dir is: /var/cache/man  
The user: lp logs in with: /usr/sbin/nologin and is home dir is: /var/spool/lpd  
The user: mail logs in with: /usr/sbin/nologin and is home dir is: /var/mail  
The user: news logs in with: /usr/sbin/nologin and is home dir is: /var/spool/news  
The user: uucp logs in with: /usr/sbin/nologin and is home dir is: /var/spool/uucp  
The user: proxy logs in with: /usr/sbin/nologin and is home dir is: /bin  
The user: www-data logs in with: /usr/sbin/nologin and is home dir is: /var/www  
The user: backup logs in with: /usr/sbin/nologin and is home dir is: /var/backups  
The user: list logs in with: /usr/sbin/nologin and is home dir is: /var/list  
The user: irc logs in with: /usr/sbin/nologin and is home dir is: /run/ircd  
The user: _apt logs in with: /usr/sbin/nologin and is home dir is: /nonexistent  
The user: nobody logs in with: /usr/sbin/nologin and is home dir is: /nonexistent  
The user: systemd-network logs in with: /usr/sbin/nologin and is home dir is: /  
The user: systemd-timesync logs in with: /usr/sbin/nologin and is home dir is: /  
The user: dhcpcd logs in with: /bin/false and is home dir is: /usr/lib/dhcpcd  
The user: messagebus logs in with: /usr/sbin/nologin and is home dir is: /nonexistent  
The user: syslog logs in with: /usr/sbin/nologin and is home dir is: /nonexistent  
The user: systemd-resolve logs in with: /usr/sbin/nologin and is home dir is: /  
The user: uuid logs in with: /usr/sbin/nologin and is home dir is: /run/uuid  
The user: usbmux logs in with: /usr/sbin/nologin and is home dir is: /var/lib/usbmux  
The user: tss logs in with: /bin/false and is home dir is: /var/lib/tpm  
The user: systemd-oom logs in with: /usr/sbin/nologin and is home dir is: /  
The user: kernoops logs in with: /usr/sbin/nologin and is home dir is: /  
The user: whoopsie logs in with: /bin/false and is home dir is: /nonexistent  
The user: dnsmasq logs in with: /usr/sbin/nologin and is home dir is: /var/lib/misc  
The user: avahi logs in with: /usr/sbin/nologin and is home dir is: /run/avahi-daemon  
The user: tcpdump logs in with: /usr/sbin/nologin and is home dir is: /nonexistent  
The user: sssd logs in with: /usr/sbin/nologin and is home dir is: /var/lib/sss  
The user: speech-dispatcher logs in with: /bin/false and is home dir is: /run/speech-dispatcher  
The user: cups-pk-helper logs in with: /usr/sbin/nologin and is home dir is: /nonexistent  
The user: fwupd-refresh logs in with: /usr/sbin/nologin and is home dir is: /var/lib/fwupd
```