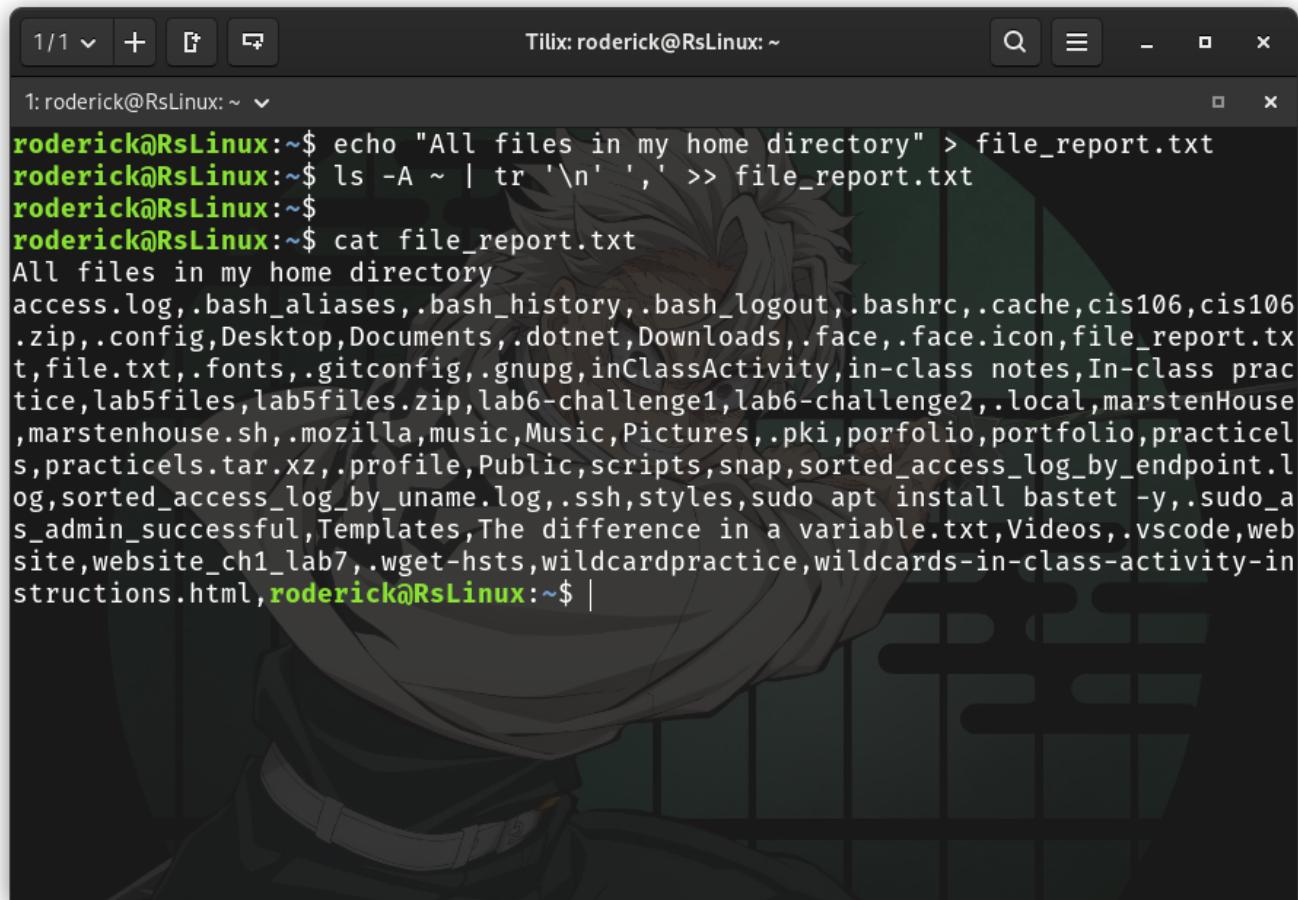


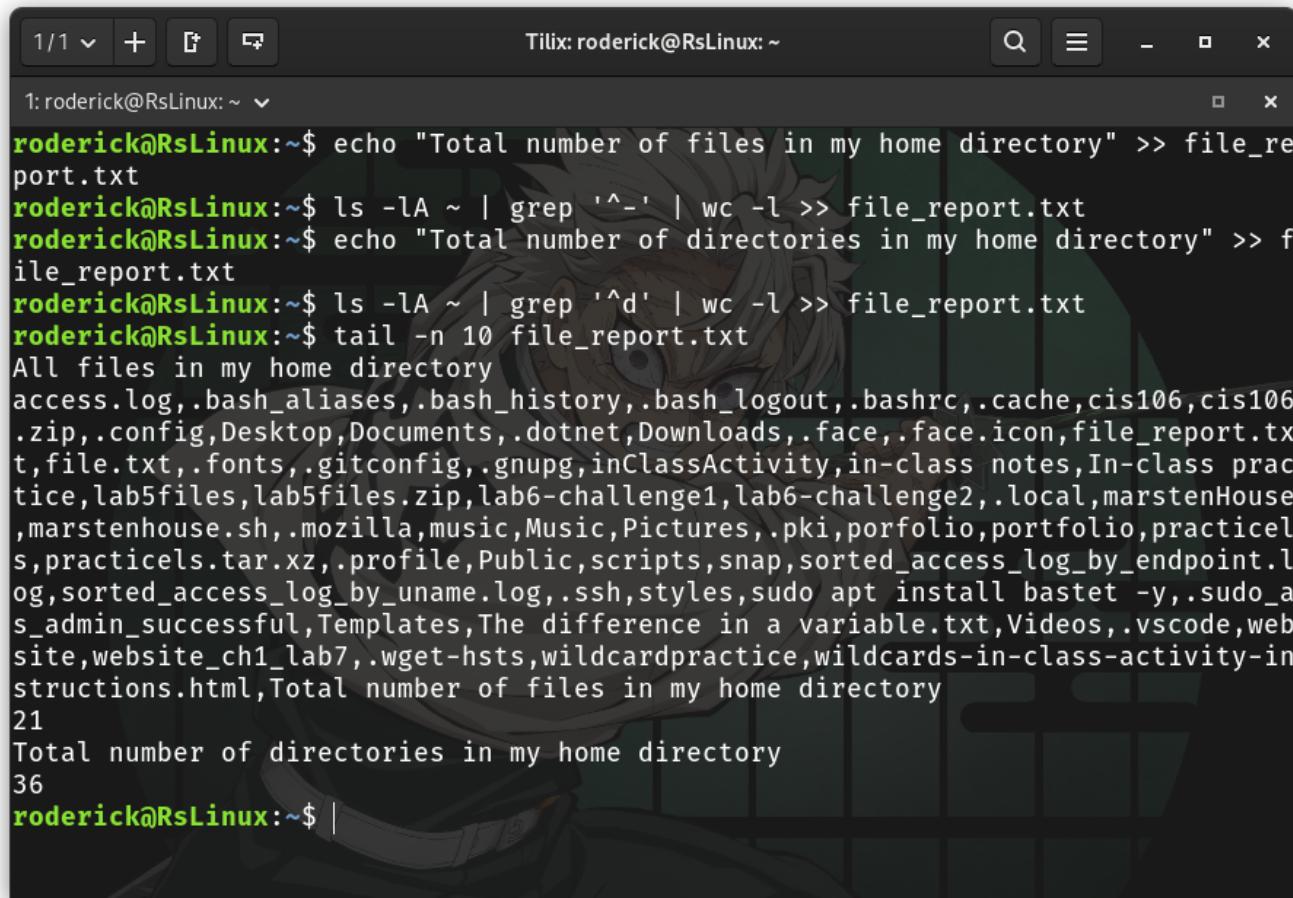
Lab 9

Question 1



```
1: roderick@RsLinux: ~
roderick@RsLinux:~$ echo "All files in my home directory" > file_report.txt
roderick@RsLinux:~$ ls -A ~ | tr '\n' ',' >> file_report.txt
roderick@RsLinux:~$
roderick@RsLinux:~$ cat file_report.txt
All files in my home directory
access.log,.bash_aliases,.bash_history,.bash_logout,.bashrc,.cache,cis106,cis106
.zip,.config,Desktop,Documents,.dotnet,Downloads,.face,.face.icon,file_report.tx
t,file.txt,.fonts,.gitconfig,.gnupg,inClassActivity,in-class notes,In-class prac
tice,lab5files,lab5files.zip,lab6-challenge1,lab6-challenge2,.local,marstenHouse
,marstenhouse.sh,.mozilla,music,Music,Pictures,.pki,porfolio,portfolio,practicel
s,practicels.tar.xz,.profile,Public,scripts,snap,sorted_access_log_by_endpoint.l
og,sorted_access_log_by_uname.log,.ssh,styles,sudo apt install bastet -y,.sudo_a
s_admin_successful,Templates,The difference in a variable.txt,Videos,.vscode,web
site,website_ch1_lab7,.wget-hsts,wildcardpractice,wildcards-in-class-activity-in
structions.html,roderick@RsLinux:~$ |
```

Question 2



```
1: roderick@RsLinux: ~
roderick@RsLinux:~$ echo "Total number of files in my home directory" >> file_report.txt
roderick@RsLinux:~$ ls -lA ~ | grep '^-' | wc -l >> file_report.txt
roderick@RsLinux:~$ echo "Total number of directories in my home directory" >> file_report.txt
roderick@RsLinux:~$ ls -lA ~ | grep '^d' | wc -l >> file_report.txt
roderick@RsLinux:~$ tail -n 10 file_report.txt
All files in my home directory
access.log,.bash_aliases,.bash_history,.bash_logout,.bashrc,.cache,cis106,cis106
.zip,.config,Desktop,Documents,.dotnet,Downloads,.face,.face.icon,file_report.tx
t,file.txt,.fonts,.gitconfig,.gnupg,inClassActivity,in-class notes,In-class prac
tice,lab5files,lab5files.zip,lab6-challenge1,lab6-challenge2,.local,marstenHouse
,marstenhouse.sh,.mozilla,music,Music,Pictures,.pki,porfolio,portfolio,practicel
s,practicels.tar.xz,.profile,Public,scripts,snap,sorted_access_log_by_endpoint.l
og,sorted_access_log_by_uname.log,.ssh,styles,sudo apt install bastet -y,.sudo_a
s_admin_successful,Templates,The difference in a variable.txt,Videos,.vscode,web
site,website_ch1_lab7,.wget-hsts,wildcardpractice,wildcards-in-class-activity-in
structions.html,Total number of files in my home directory
21
Total number of directories in my home directory
36
roderick@RsLinux:~$ |
```

Question 3

```
1/1 ▾ + ⌂ ⌂ Tilix: roderick@RsLinux: ~ Q ⌂ ⌂ x  
1: roderick@RsLinux: ~ roderick@RsLinux:~$ 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  
dhcpcd  
tss  
systemd-timesync  
messagebus
```

```
1/1 ▾ + ⌂ ⌂ Tilix: roderick@RsLinux: ~ Q ⌂ ⌂ x  
1: roderick@RsLinux: ~ roderick@RsLinux:~$ awk -F: '{print $1, $7}' /etc/passwd  
roderick  
_flatpak  
root /bin/bash  
daemon /usr/sbin/nologin  
bin /usr/sbin/nologin  
sys /usr/sbin/nologin  
sync /bin/sync  
games /usr/sbin/nologin  
man /usr/sbin/nologin  
lp /usr/sbin/nologin  
mail /usr/sbin/nologin  
news /usr/sbin/nologin  
uucp /usr/sbin/nologin  
proxy /usr/sbin/nologin  
www-data /usr/sbin/nologin  
backup /usr/sbin/nologin  
list /usr/sbin/nologin  
irc /usr/sbin/nologin  
_apt /usr/sbin/nologin  
nobody /usr/sbin/nologin  
systemd-network /usr/sbin/nologin  
dhcpcd /bin/false  
tss /bin/false
```

```
1: roderick@RsLinux: ~  
roderick /bin/bash  
_flatpak /usr/sbin/nologin  
roderick@RsLinux:~$ 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 /  
dhcpcd /bin/false /usr/lib/dhcpcd  
tss /bin/false /var/lib/tpm
```

```
1: roderick@RsLinux: ~  
roderick@RsLinux:~$ awk -F: '{print "The user:", $1, "logs in with:", $7, "and i  
s 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/ne  
ws  
The user: uucp logs in with: /usr/sbin/nologin and is home dir is: /var/spool/uu  
cp  
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: /nonexisten  
t
```

```
1/1 + 🔍 Tilix: roderick@RsLinux: ~ Q ⌂ ×  
1: roderick@RsLinux: ~   
ent  
roderick@RsLinux:~$ awk -F: '{print "The user:", $1, "logs in with:", $7, "and i  
s home dir is:", $6}' /etc/passwd > report_users.txt  
roderick@RsLinux:~$ grep '/bin/bash' /etc/passwd | awk -F: '{print $1 " = " $7}'  
>> report_users.txt  
roderick@RsLinux:~$ 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/ne  
ws  
The user: uucp logs in with: /usr/sbin/nologin and is home dir is: /var/spool/uu  
cp  
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/backup  
s  
The user: list logs in with: /usr/sbin/nologin and is home dir is: /var/list
```