## **Assignment 3**

```
compgen -c > /tmp/commands.list
less /tmp/commands.list
took 1m47s
}
```

```
alert
egrep
fgrep
grep
l
la
ll
ls
if
then
else
elif
fi
case
esac
for
select
while
until
do
done
in
function
/tmp/commands.list
```

```
nano ~/.bashrc

took 1m6s
source .bashrc
```

```
this, if it's already enabled in /etc/bash.bashrc a
# sources /etc/bash.bashrc).
if ! shopt -oq posix; then
  if [ -f /usr/share/bash-completion/bash_completion
    . /usr/share/bash-completion/bash completion
  elif [ -f /etc/bash_completion ]; then
     . /etc/bash completion
  fi
fi
eval "$(starship init bash)"
neofetch
date
                 ^O Write Out
                                 ^W Where Is
   Help
                                                     Cut
                    Read File
                                    Replace
                   Host: G7 7500
                   Kernel: 6.8.0-49-generic
                   Uptime: 25 mins
                   Packages: 1864 (dpkg), 12 (snap)
                   Shell: bash 5.1.16
                   Resolution: 1920x1080
                   DE: GNOME 42.9
                   WM: Mutter
                   WM Theme: Adwaita
                   Theme: Yaru-red-dark [GTK2/3]
Icons: Yaru-red [GTK2/3]
                   Terminal: gnome-terminal CPU: Intel i7-10750H (12) @ 5.000GHz
                   GPU: NVIDIA GeForce RTX 2060 Mobile
                   GPU: Intel CometLake-H GT2 [UHD Graphics]
                   Memory: 3025MiB / 15752MiB
 Wed 01 Jan 2025 01:14:30 PM EET
```

```
took 3s
nano life.txt
took 1m15s
wc -w life.txt
11 life.txt

took 9s
history | wc -l
179
```

5. a.

```
r took 26s
} cat filename1 | cat filename2
filename2 nananana
```

b.

C.

```
> ls /etc/passwd | wc -l
wc: -l: No such file or directory
```

```
took 3s
sudo find / -type f -name ".profile"
[sudo] password for aliaa:
/root/.profile
/etc/skel/.profile
find: '/run/user/1000/doc': Permission denied
find: '/run/user/1000/gvfs': Permission denied
/home/aliaa/.profile
/snap/core20/2434/etc/skel/.profile
/snap/core20/2434/root/.profile
/snap/core22/1612/etc/skel/.profile
/snap/core22/1612/root/.profile
/snap/core22/1722/etc/skel/.profile
/snap/core22/1722/etc/skel/.profile
```

```
) ls -i / /etc /etc/hosts
5374117 /etc/hosts
                                                                                                                     1 sys
3014657 tmp
786433 usr
3276801 var
       12 bin
                                                    15 lib64
8912897 boot
3801089 cdrom
                                                     16 libx32
                                                                                                        17 sbin
                                                    11 lost+found 1 proc
                           13 lib
                             14 lib32 3407873 media
5374090 adduser.conf
                                                          5374117 hosts
5374118 hosts.allow
                                                                                                      5375216 printcap
                                                          5374119 hosts.deny
5374009 hp
5374010 ifplugd
                                                                                                      5374156 profile
5374091 anacrontab
5374092 apg.conf
5373963 apm
                                                                                                      5374043 profile.d
5374157 protocols
5374044 pulse
                                                                                                      5374045 python3
                                                          5374012 init.d
5374013 initramfs-tools
5374120 inputrc
                                                                                                      5374045 python3.10
5374047 rc0.d
5374048 rc1.d
5373966 apport
5374093 appstream.conf
5373967 apt
5373968 avahi
                                                                                                       5374049 rc2.d
                                                           5374014 insserv.conf.d
                                                           5374015 ipp-usb
```

8.

```
> sudo ln -s /etc/passwd /boot/passwd_link

> ls -l /boot/passwd_link
lrwxrwxrwx 1 root root 11 Jan 1 14:47 /boot/passwd_link -> /etc/passwd
```

9.

```
> sudo ln /etc/passwd /boot/etc/passwd_hardlink
ln: failed to create hard link '/boot/etc/passwd_hardlink' => '/etc/passwd': No such file or directory
>
```

```
~ took 53s
} echo 'PS2=": "' >> ~/.bashrc
~
> source ~/.bashrc
```

```
. /usr/share/bash-completion/bash_completion
elif [ -f /etc/bash_completion ]; then
  . /etc/bash_completion
 fi
eval "$(starship init bash)"
neofetch
PS2=":"
              Theme: Yaru-red-dark [GTK2/3]
                   Icons: Yaru-red [GTK2/3]
                   Terminal: gnome-terminal
                   CPU: Intel i7-10750H (12) @ 5.000GHz
                   GPU: NVIDIA GeForce RTX 2060 Mobile
                   GPU: Intel CometLake-H GT2 [UHD Graphics]
                   Memory: 4120MiB / 15752MiB
∼ took 3s
> echo \
```