

sumukh_g@Sumukh: ~

```
sumukh_g@Sumukh:~$ nano path_exe.sh
sumukh_g@Sumukh:~$ chmod +x path_exe.sh
sumukh_g@Sumukh:~$ ./path_exe.sh
/usr/local/sbin : 0
/usr/local/bin : 0
/usr/sbin : 279
/usr/bin : 1230
/sbin : 0
/bin : 0
/usr/games : 6
/usr/local/games : 0
/snap/bin : 0
/snap/bin : 0
sumukh_g@Sumukh:~$
```

sumukh_g@Sumukh: ~

GNU nano 6.2

free.sh

```
#!/bin/bash

mounts=$(df -h)

while read -r mount;
do

    if [[ "$mount" == Filesystem* ]];
    then
        continue
    fi

    mount_point=$(echo "$mount" | awk '{print $NF}')
    freespace=$(echo "$mount" | awk '{print $NF-1}')
    free_space=${freespace%{}}

    if (( free_space < 10 ))
    then

        echo "File system \"$mount_point\" has less than 10% free space"
    fi
done <<< "$mounts"
```

Read 24 lines

^G Help

^X Exit

^O Write Out

^R Read File

^W Where Is

^M Replace

^K Cut

^U Paste

^T Execute

^J Justify

^C Location

^_ Go To Line

M-U Undo

M-E Redo

M-A Set Mark

M-6 Copy

M-T To Bracket

^Q Where Was

M-Q Previous

M-W Next

^B Back

^F Forward

^_ Prev Word

^P Next Word

sumukh_g@Sumukh: ~

```
sumukh_g@Sumukh:~$ nano free.sh
sumukh_g@Sumukh:~$ chmod +x free.sh
sumukh_g@Sumukh:~$ ./free.sh
File system "/run" has less than 10% free space
File system "/" has less than 10% free space
File system "/dev/shm" has less than 10% free space
File system "/run/lock" has less than 10% free space
File system "/boot/efi" has less than 10% free space
File system "/run/user/1000" has less than 10% free space
sumukh_g@Sumukh:~$
```

sumukh_g@Sumukh: ~

GNU nano 6.2path_exe.sh

```
#!/bin/bash

IFS=":" read -ra dirs <<< "$PATH"

for dir in "${dirs[@]}"
do
count=$(find "$dir" -maxdepth 1 -type f -executable | wc -l)
echo "$dir : $count"
done
```

Read 13 lines

Help	Write Out	Where Is	Cut	Execute	Location	Undo	Set Mark	To Bracket	Previous	Back	Prev Word
Exit	Read File	Replace	Paste	Justify	Go To Line	Redo	Copy	Where Was	Next	Forward	Next Word