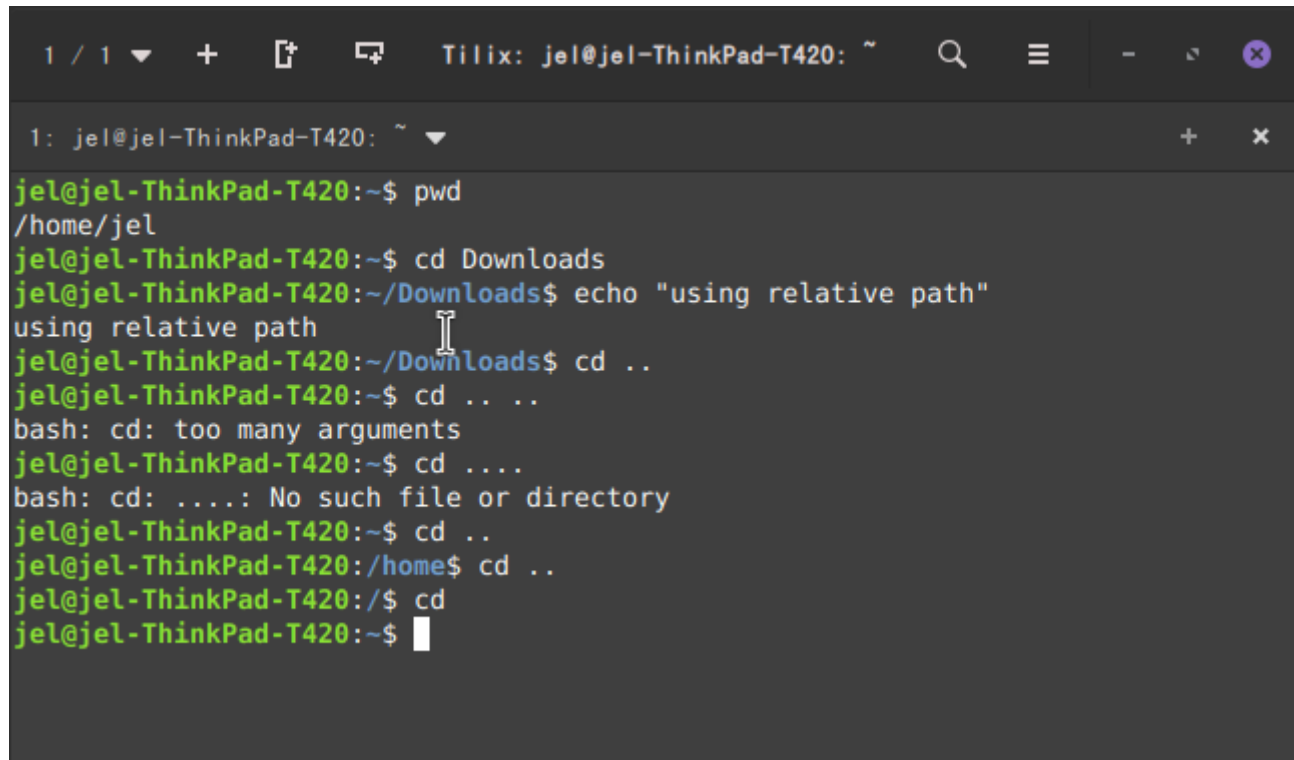


# Week Report 4

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## Practice Screenshots

### Practice 1



```
1 / 1 ▼ + [T] [C] Tilix: jel@jel-ThinkPad-T420: ~ 🔍 ≡ - [X]
1: jel@jel-ThinkPad-T420: ~ ▼
jel@jel-ThinkPad-T420:~$ pwd
/home/jel
jel@jel-ThinkPad-T420:~$ cd Downloads
jel@jel-ThinkPad-T420:~/Downloads$ echo "using relative path"
using relative path
jel@jel-ThinkPad-T420:~/Downloads$ cd ..
jel@jel-ThinkPad-T420:~$ cd .. ..
bash: cd: too many arguments
jel@jel-ThinkPad-T420:~$ cd ....
bash: cd: ....: No such file or directory
jel@jel-ThinkPad-T420:~$ cd ..
jel@jel-ThinkPad-T420:/home$ cd ..
jel@jel-ThinkPad-T420:/$ cd
jel@jel-ThinkPad-T420:~$
```

### Practice 2



```

1 / 1 ▾ + [ ] [ ] ... |-ThinkPad-T420: ~/practicels 🔍 ≡ - ↵ ×

1: jel@jel-ThinkPad-T420: ~/practicels ▾ + ×

jel@jel-ThinkPad-T420:~$ tar Jxf practicels.tar.xz
jel@jel-ThinkPad-T420:~$ cd practicels/
jel@jel-ThinkPad-T420:~/practicels$ ls
book.txt          history-debian.pdf  movie.mp4          song.mp3           tux-penguin.gif
countries.xml     homework.docx      people.csv         tux-nobg.png
jel@jel-ThinkPad-T420:~/practicels$ ls -a
.                  countries.xml      movie.mp4          tux-nobg.png
..                history-debian.pdf people.csv         tux-penguin.gif
book.txt          homework.docx      song.mp3
jel@jel-ThinkPad-T420:~/practicels$ ls -l
total 2932
-rw-rw-r-- 1 jel jel    1043 Feb 27  2022 book.txt
-rw-rw-r-- 1 jel jel   23972 Feb 27  2022 countries.xml
-rw-rw-r-- 1 jel jel  163057 Feb 27  2022 history-debian.pdf
-rw-rw-r-- 1 jel jel  111303 Feb 22  2022 homework.docx
-rw-rw-r-- 1 jel jel 1570024 Feb 27  2022 movie.mp4
-rw-rw-r-- 1 jel jel  284042 Feb 27  2022 people.csv
-rw-rw-r-- 1 jel jel  764176 Feb 27  2022 song.mp3
-rw-rw-r-- 1 jel jel   21314 Feb 27  2022 tux-nobg.png
-rw-rw-r-- 1 jel jel   44299 Jan 31  2020 tux-penguin.gif
jel@jel-ThinkPad-T420:~/practicels$ ls -lh
total 2.9M
-rw-rw-r-- 1 jel jel  1.1K Feb 27  2022 book.txt
-rw-rw-r-- 1 jel jel  24K Feb 27  2022 countries.xml
-rw-rw-r-- 1 jel jel 160K Feb 27  2022 history-debian.pdf
-rw-rw-r-- 1 jel jel 109K Feb 22  2022 homework.docx
-rw-rw-r-- 1 jel jel 1.5M Feb 27  2022 movie.mp4
-rw-rw-r-- 1 jel jel 278K Feb 27  2022 people.csv
-rw-rw-r-- 1 jel jel 747K Feb 27  2022 song.mp3
-rw-rw-r-- 1 jel jel  21K Feb 27  2022 tux-nobg.png
-rw-rw-r-- 1 jel jel  44K Jan 31  2020 tux-penguin.gif
jel@jel-ThinkPad-T420:~/practicels$ ls -lht
total 2.9M
-rw-rw-r-- 1 jel jel  24K Feb 27  2022 countries.xml
-rw-rw-r-- 1 jel jel 278K Feb 27  2022 people.csv
-rw-rw-r-- 1 jel jel 747K Feb 27  2022 song.mp3
-rw-rw-r-- 1 jel jel 1.5M Feb 27  2022 movie.mp4
-rw-rw-r-- 1 jel jel 160K Feb 27  2022 history-debian.pdf
-rw-rw-r-- 1 jel jel  21K Feb 27  2022 tux-nobg.png
-rw-rw-r-- 1 jel jel  1.1K Feb 27  2022 book.txt
-rw-rw-r-- 1 jel jel 109K Feb 22  2022 homework.docx
-rw-rw-r-- 1 jel jel  44K Jan 31  2020 tux-penguin.gif
jel@jel-ThinkPad-T420:~/practicels$

```

```

1 / 1 ▾ + [ ] [ ] ... |-ThinkPad-T420: ~/practicels 🔍 ≡ - ↵ ×

1: jel@jel-ThinkPad-T420: ~/practicels ▾ + ×

-rw-rw-r-- 1 jel jel 160K Feb 27  2022 history-debian.pdf
-rw-rw-r-- 1 jel jel 109K Feb 22  2022 homework.docx
-rw-rw-r-- 1 jel jel 1.5M Feb 27  2022 movie.mp4
-rw-rw-r-- 1 jel jel 278K Feb 27  2022 people.csv
-rw-rw-r-- 1 jel jel 747K Feb 27  2022 song.mp3
-rw-rw-r-- 1 jel jel  21K Feb 27  2022 tux-nobg.png
-rw-rw-r-- 1 jel jel  44K Jan 31  2020 tux-penguin.gif
jel@jel-ThinkPad-T420:~/practicels$ ls -lht
total 2.9M
-rw-rw-r-- 1 jel jel  24K Feb 27  2022 countries.xml
-rw-rw-r-- 1 jel jel 278K Feb 27  2022 people.csv
-rw-rw-r-- 1 jel jel 747K Feb 27  2022 song.mp3
-rw-rw-r-- 1 jel jel 1.5M Feb 27  2022 movie.mp4
-rw-rw-r-- 1 jel jel 160K Feb 27  2022 history-debian.pdf

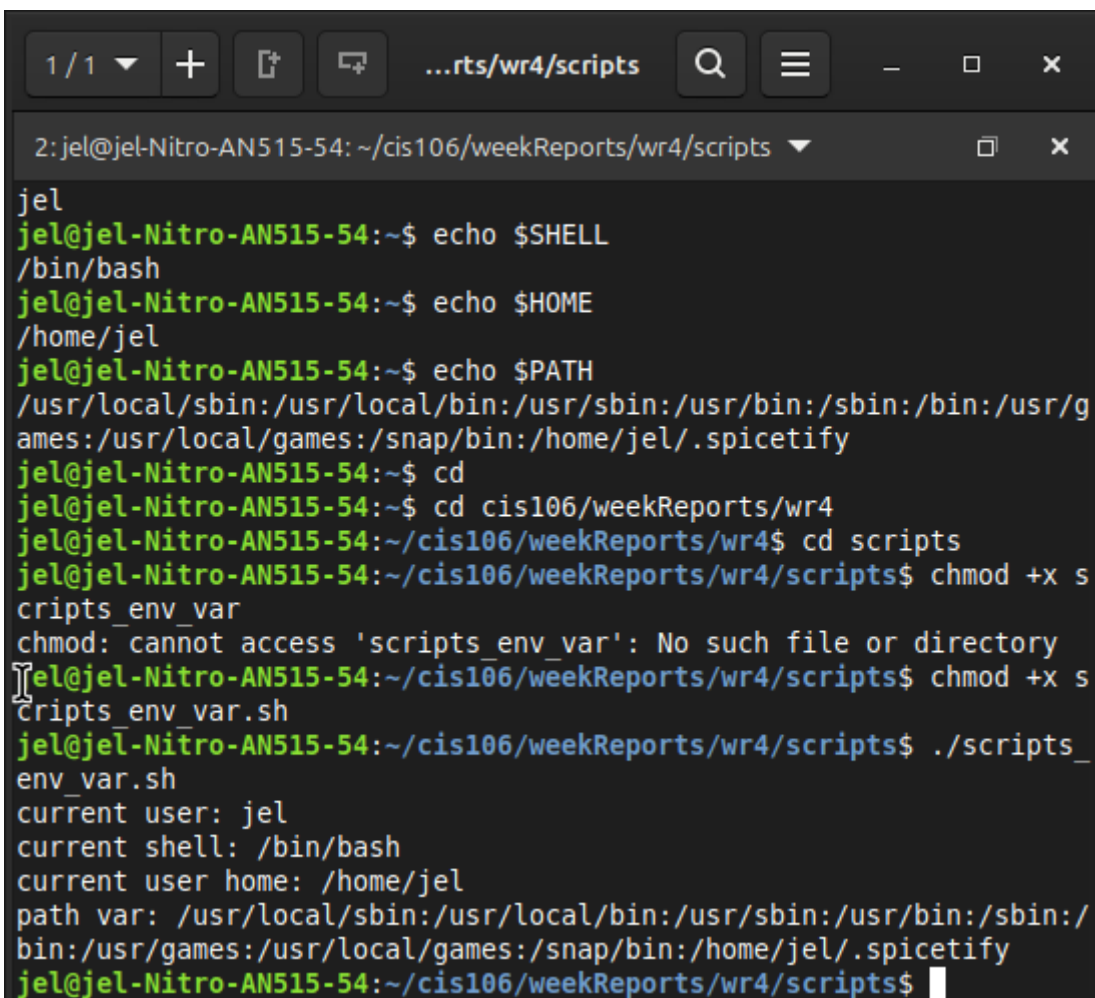
```

```

-rw-rw-r-- 1 jel jel 21K Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 jel jel 1.1K Feb 27 2022 book.txt
-rw-rw-r-- 1 jel jel 109K Feb 22 2022 homework.docx
-rw-rw-r-- 1 jel jel 44K Jan 31 2020 tux-penguin.gif
jel@jel-ThinkPad-T420:~/practicels$ ls -lhG5
total 2.9M
-rw-rw-r-- 1 1.5M Feb 27 2022 movie.mp4
-rw-rw-r-- 1 747K Feb 27 2022 song.mp3
-rw-rw-r-- 1 278K Feb 27 2022 people.csv
-rw-rw-r-- 1 160K Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 109K Feb 22 2022 homework.docx
-rw-rw-r-- 1 44K Jan 31 2020 tux-penguin.gif
-rw-rw-r-- 1 24K Feb 27 2022 countries.xml
-rw-rw-r-- 1 21K Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 1.1K Feb 27 2022 book.txt
jel@jel-ThinkPad-T420:~/practicels$ ls -mr
tux-penguin.gif, tux-nobg.png, song.mp3, people.csv, movie.mp4, homework.docx,
history-debian.pdf, countries.xml, book.txt
jel@jel-ThinkPad-T420:~/practicels$ ls -lX
people.csv
homework.docx
tux-penguin.gif
song.mp3
movie.mp4
history-debian.pdf
tux-nobg.png
book.txt
countries.xml
jel@jel-ThinkPad-T420:~/practicels$

```

### Practice 3

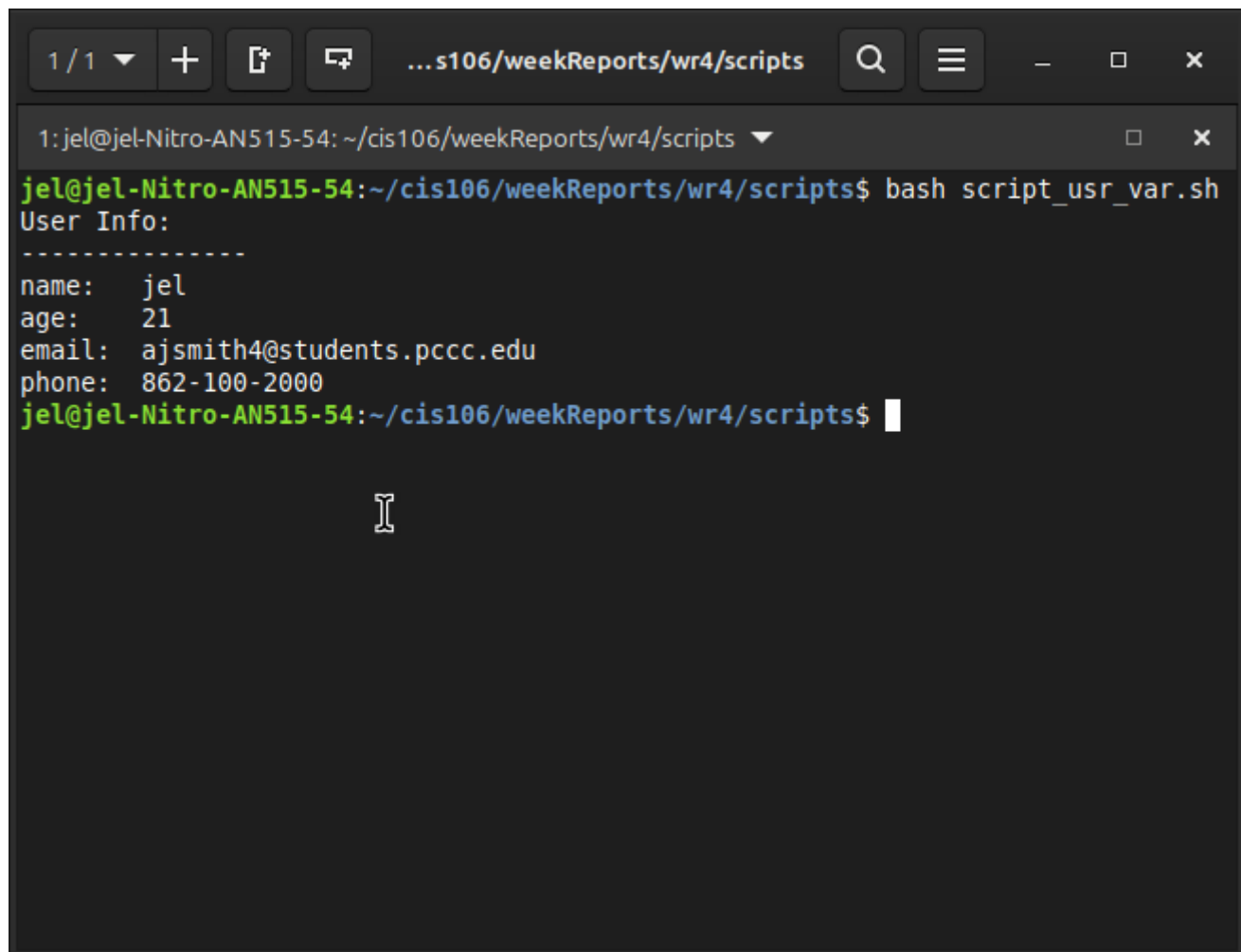


```

1 / 1 + ...rts/wr4/scripts
2: jel@jel-Nitro-AN515-54: ~/cis106/weekReports/wr4/scripts
jel
jel@jel-Nitro-AN515-54:~$ echo $SHELL
/bin/bash
jel@jel-Nitro-AN515-54:~$ echo $HOME
/home/jel
jel@jel-Nitro-AN515-54:~$ echo $PATH
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/g
ames:/usr/local/games:/snap/bin:/home/jel/.spicetify
jel@jel-Nitro-AN515-54:~$ cd
jel@jel-Nitro-AN515-54:~$ cd cis106/weekReports/wr4
jel@jel-Nitro-AN515-54:~/cis106/weekReports/wr4$ cd scripts
jel@jel-Nitro-AN515-54:~/cis106/weekReports/wr4/scripts$ chmod +x s
cripts_env_var
chmod: cannot access 'scripts_env_var': No such file or directory
jel@jel-Nitro-AN515-54:~/cis106/weekReports/wr4/scripts$ chmod +x s
cripts_env_var.sh
jel@jel-Nitro-AN515-54:~/cis106/weekReports/wr4/scripts$ ./scripts_
env_var.sh
current user: jel
current shell: /bin/bash
current user home: /home/jel
path var: /usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/
bin:/usr/games:/usr/local/games:/snap/bin:/home/jel/.spicetify
jel@jel-Nitro-AN515-54:~/cis106/weekReports/wr4/scripts$

```

## Practice 4



A terminal window titled "...s106/weekReports/wr4/scripts" is shown. The prompt is "jel@jel-Nitro-AN515-54: ~/cis106/weekReports/wr4/scripts". The user has entered the command "bash script\_usr\_var.sh". The output of the script is as follows:

```
jel@jel-Nitro-AN515-54:~/cis106/weekReports/wr4/scripts$ bash script_usr_var.sh
User Info:
-----
name:    jel
age:     21
email:   ajsmith4@students.pccc.edu
phone:   862-100-2000
jel@jel-Nitro-AN515-54:~/cis106/weekReports/wr4/scripts$
```

## Challenge Question

```
1: jel@jel-Nitro-AN515-54: ~  
jel@jel-Nitro-AN515-54:~$ pwd  
/usr  
jel@jel-Nitro-AN515-54:~$ cd  
jel@jel-Nitro-AN515-54:~$ cd ../..  
jel@jel-Nitro-AN515-54:~$ cd usr/share/themes  
jel@jel-Nitro-AN515-54:~$ cd ../..  
jel@jel-Nitro-AN515-54:~$ ls -l  
a          cis282    Downloads  Pictures  vdpn      website  
auto-cpufreq Desktop  install.log Public    Videos  
cis106     Documents Music      Templates vmware-jel  
jel@jel-Nitro-AN515-54:~$ ls -lt -X ~/cis106  
cheatSheets labs      notes      scripts    weekReports README.md  
jel@jel-Nitro-AN515-54:~$ ls -lr -R ~/cis106  
/home/jel/cis106:  
weekReports scripts README.md notes labs cheatSheets  
  
/home/jel/cis106/weekReports:  
wr4 wr3 wr2 wr1  
  
/home/jel/cis106/weekReports/wr4:  
wr4.md p2-2.png p2-1.png p1.png  
  
/home/jel/cis106/weekReports/wr3:  
wr3.pdf srcms3.png src7.png src5-2.png src4.png src2.png  
wr3.md srcms1.png src6.png src5-1.png src3.png src1.png  
  
/home/jel/cis106/weekReports/wr2:  
wr2.md Screenshot_2024-10-01_15-36-15.png  
  
/home/jel/cis106/weekReports/wr1:  
weekReport1.pdf weekReport1.md  
  
/home/jel/cis106/scripts:  
labscript03.sh lab3-script1.sh hello.sh challenge_lab3.sh  
  
/home/jel/cis106/notes:  
notes4.md notes3.pdf notes3.md notes1.pdf  
  
/home/jel/cis106/labs:  
lab3 lab2 lab1  
  
/home/jel/cis106/labs/lab3:  
q3.png labscript03.sh lab3.pdf challenge.png  
q2.png lab3-script1.sh lab3.md challenge_lab3.sh  
  
/home/jel/cis106/labs/lab2:  
script.png lab2.pdf lab2.md cpufetch.png
```

```
1: jel@jel-Nitro-AN515-54: ~  
jel@jel-Nitro-AN515-54:~$ ls -lh ~/cis106  
total 24K  
drwxrwxr-x 2 jel jel 4.0K Oct 12 22:50 cheatSheets  
drwxrwxr-x 5 jel jel 4.0K Oct 20 21:48 labs  
drwxrwxr-x 2 jel jel 4.0K Oct 20 21:48 notes  
-rw-rw-r-- 1 jel jel 55 Oct 7 13:38 README.md  
drwxrwxr-x 2 jel jel 4.0K Oct 20 21:48 scripts  
drwxrwxr-x 6 jel jel 4.0K Oct 20 21:48 weekReports  
jel@jel-Nitro-AN515-54:~$ cd  
jel@jel-Nitro-AN515-54:~$ ls -lg -full-time -  
ls: invalid option -- '-'  
Try 'ls --help' for more information.  
jel@jel-Nitro-AN515-54:~$ ls -lg -full-time  
ls: invalid option -- '-'  
Try 'ls --help' for more information.  
jel@jel-Nitro-AN515-54:~$ ls -lg -G -full-time  
ls: invalid option -- '-'  
Try 'ls --help' for more information.  
jel@jel-Nitro-AN515-54:~$ ls -lg -  
ls: cannot access '-': No such file or directory  
jel@jel-Nitro-AN515-54:~$ ls -lg  
total 64  
drwxr-xr-x 3 jel 4096 Oct 19 23:39 a  
drwxrwxr-x 9 jel 4096 Oct 4 03:25 auto-cpufreq  
drwxrwxr-x 8 jel 4096 Oct 20 21:48 cis106  
drwxrwxr-x 3 jel 4096 Oct 20 23:14 cis282  
drwxr-xr-x 8 jel 4096 Oct 14 13:13 Desktop  
drwxr-xr-x 4 jel 4096 Oct 17 23:30 Documents  
drwxr-xr-x 3 jel 4096 Oct 20 21:55 Downloads  
-rw-rw-r-- 1 jel 638 Oct 9 14:40 install.log  
drwxr-xr-x 3 jel 4096 Oct 20 23:28 Music  
drwxr-xr-x 3 jel 4096 Oct 18 13:28 Pictures  
drwxr-xr-x 2 jel 4096 Oct 4 02:56 Public  
drwxr-xr-x 2 jel 4096 Oct 4 02:56 Templates  
drwxrwxr-x 4 jel 4096 Oct 6 09:24 vdpn  
drwxr-xr-x 3 jel 4096 Oct 13 16:34 Videos  
drwxr----- 6 jel 4096 Oct 20 22:18 vmware-jel  
drwxrwxr-x 3 jel 4096 Oct 17 23:41 website  
jel@jel-Nitro-AN515-54:~$ ls -lg -G  
total 64  
drwxr-xr-x 3 4096 Oct 19 23:39 a  
drwxrwxr-x 9 4096 Oct 4 03:25 auto-cpufreq  
drwxrwxr-x 8 4096 Oct 20 21:48 cis106  
drwxrwxr-x 3 4096 Oct 20 23:14 cis282  
drwxr-xr-x 8 4096 Oct 14 13:13 Desktop  
drwxr-xr-x 4 4096 Oct 17 23:30 Documents  
drwxr-xr-x 3 4096 Oct 20 21:55 Downloads  
-rw-rw-r-- 1 638 Oct 9 14:40 install.log
```