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## LAB 4

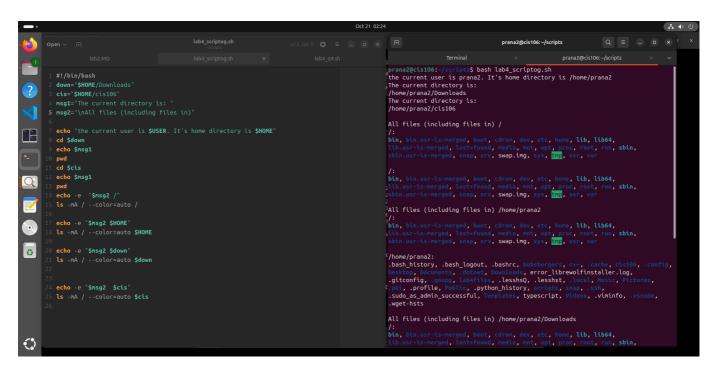
#### **QUESTION 1**

# **QUESTION 2**



## **QUESTION 3**

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# **QUESTION 4 [CHALLENGE QUESTION]**

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script source code

```
prana2@cis106:~/scripts$ bash lab4 q4.sh
changing to: /home/prana2/Pictures
changing to: /home/prana2/Videos
current PWD: /home/prana2/Videos
Previous PWD: /home/prana2/Pictures
Long list of /home/prana2/cis106
total 24
drwxrwxr-x 3 prana2 prana2 4096 2024-09-25 22:14 'cheat sheets'
drwxrwxr-x 2 prana2 prana2 4096 2024-09-25 22:10 'final exam '
drwxrwxr-x 2 prana2 prana2 4096 2024-09-25 22:10 'final project '
drwxrwxr-x 6 prana2 prana2 4096 2024-10-21 02:34 labs
drwxrwxr-x 4 prana2 prana2 4096 2024-09-26 00:36 notes
drwxrwxr-x 6 prana2 prana2 4096 2024-10-20 18:52 weekreport
SHELL=/bin/bash
SESSION_MANAGER=local/cis106:@/tmp/.ICE-unix/3353,unix/cis106:/tmp/.ICE-unix/335
3
QT_ACCESSIBILITY=1
COLORTERM=truecolor
XDG_CONFIG_DIRS=/etc/xdg/xdg-ubuntu:/etc/xdg
XDG MENU PREFIX=gnome-
GNOME_DESKTOP_SESSION_ID=this-is-deprecated
GNOME_SHELL_SESSION_MODE=ubuntu
SSH AUTH SOCK=/run/user/1000/keyring/ssh
MEMORY PRESSURE WRITE=c29tZSAyMDAwMDAgMjAwMDAwMAA=
XMODIFIERS=@im=ibus
DESKTOP_SESSION=ubuntu
GTK MODULES=gail:atk-bridge
PWD=/home/prana2/Videos
XDG_SESSION_DESKTOP=ubuntu
LOGNAME=prana2
XDG_SESSION_TYPE=wayland
SYSTEMD EXEC PID=4012
XAUTHORITY=/run/user/1000/.mutter-Xwaylandauth.CSN1V2
HOME=/home/prana2
USERNAME=prana2
```