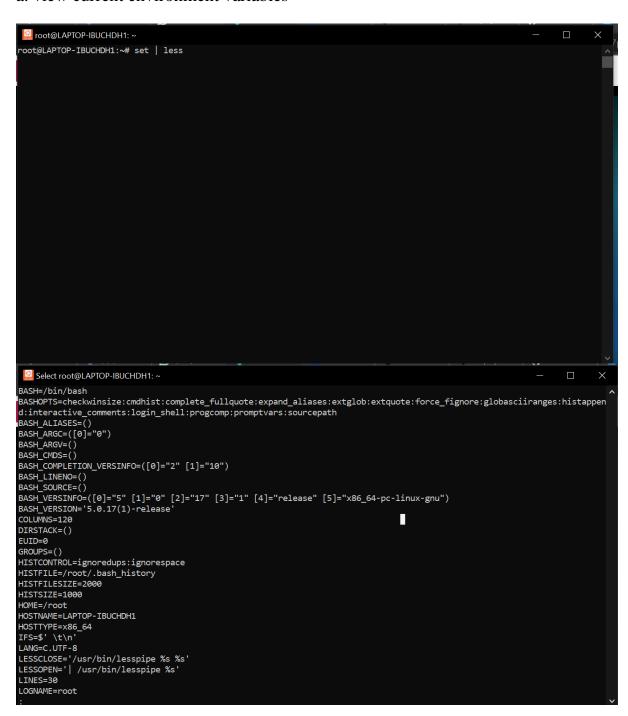# 1. State the command for the following.

a. view current environment variables

b. Display the PATH environment variable value

c. update PATH to include the path to your home directory


```
root@LAPTOP-IBUCHDH1:~# echo $PATH
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/mnt/c/Program Files/WindowsApp
s/CanonicalGroupLimited.Ubuntu20.04LTS_2004.5.11.0_x64__79rhkp1fndgsc:/mnt/c/Program Files (x86)/Common Files/Oracle/Jav
a/javapath:/mnt/c/windows/system32:/mnt/c/windows:/mnt/c/windows/System32/Wbem:/mnt/c/windows/System32/WindowsPowerShell
/v1.0/:/mnt/c/windows/System32/OpenSSH/:/mnt/c/Program Files/Java/jdk1.8.0_251/bin:/mnt/c/Program Files/Java/jre1.8.0_25
1/bin:/mnt/c/Program Files/nodejs/:/mnt/c/Users/Pavilion/anaconda3/Scripts:/mnt/c/Users/Pavilion/anaconda3/Library/bin:/
mnt/c/Users/Pavilion/AppData/Local/Programs/Python/Python310/Scripts/:/mnt/c/Users/Pavilion/AppData/Local/Programs/Pytho
n/Python310/:/mnt/c/Users/Pavilion/AppData/Local/Microsoft/WindowsApps:/mnt/c/Users/Pavilion/AppData/Local/Programs/Micr
osoft VS Code/bin:/mnt/c/Users/Pavilion/AppData/Roaming/npm:/snap/bin:/root/Assignment/
root@LAPTOP-IBUCHDH1:~# mkdir Project
root@LAPTOP-IBUCHDH1:~# CD Project
CD: command not found
root@LAPTOP-IBUCHDH1:~# cd Project
root@LAPTOP-IBUCHDH1:~/Project# vim MESSAGE
root@LAPTOP-IBUCHDH1:~/Project# chmod x+ MESSAGE
chmod: invalid mode: 'x+'
Try 'chmod --help' for more information.
root@LAPTOP-IBUCHDH1:~/Project# chmod +x MESSAGE
root@LAPTOP-IBUCHDH1:~/Project# vim /root.bashrc
root@LAPTOP-IBUCHDH1:~/Project# vim /root/.bashrc
root@LAPTOP-IBUCHDH1:~/Project#
```



```
    #alias dir='dir --color=auto'
    #alias vdir='vdir --color=auto'

    alias grep='grep --color=auto'
    alias fgrep='fgrep --color=auto'
    alias egrep='egrep --color=auto'
fi

# some more ls aliases
alias ll='ls -alF'
alias la='ls -A'
alias l='ls -CF'

# Alias definitions.
# You may want to put all your additions into a separate file like
# ~/.bash_aliases, instead of adding them here directly.
# See /usr/share/doc/bash-doc/examples in the bash-doc package.

if [ -f ~/.bash_aliases ]; then
    . ~/.bash_aliases
fi
PATH=$PATH:/root/Assignment/
PATH=$PATH:/root/Project/

# enable programmable completion features (you don't need to enable
# this, if it's already enabled in /etc/bash.bashrc and /etc/profile
# sources /etc/bash.bashrc).
#if [ -f /etc/bash_completion ] && ! shopt -oq posix; then
#    . /etc/bash_completion
-- INSERT --                                                94,26          98%
```

```
root@LAPTOP-IBUCHDH1: ~                                          —    □    X

root@LAPTOP-IBUCHDH1:~# echo $PATH
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/mnt/c/Program Files/WindowsApp
s/CanonicalGroupLimited.Ubuntu20.04LTS_2004.5.11.0_x64__79rhkp1fndgsc:/mnt/c/Program Files (x86)/Common Files/Oracle/Jav
a/javapath:/mnt/c/windows/system32:/mnt/c/windows:/mnt/c/windows/System32/Wbem:/mnt/c/windows/System32/WindowsPowerShell
/v1.0/:/mnt/c/windows/System32/OpenSSH/:/mnt/c/Program Files/Java/jdk1.8.0_251/bin:/mnt/c/Program Files/Java/jre1.8.0_25
1/bin:/mnt/c/Program Files/nodejs/:/mnt/c/Users/Pavilion/anaconda3/Scripts:/mnt/c/Users/Pavilion/anaconda3/Library/bin:/
mnt/c/Users/Pavilion/AppData/Local/Programs/Python/Python310/Scripts/:/mnt/c/Users/Pavilion/AppData/Local/Programs/Pytho
n/Python310/:/mnt/c/Users/Pavilion/AppData/Local/Microsoft/WindowsApps:/mnt/c/Users/Pavilion/AppData/Local/Programs/Micr
osoft VS Code/bin:/mnt/c/Users/Pavilion/AppData/Roaming/npm:/snap/bin:/root/Assignment/:/root/Project/
root@LAPTOP-IBUCHDH1:~#
```

2. How will you make the environment changes applicable to all users? Which script is to be modified?

Ans. To make the environment changes applicable to all users, go to your /etc/skel files, such as . bashrc , and change the ones that are already there or enter the new ones. When you create new users, these /etc/skel files will be copied to the new user's home directory.