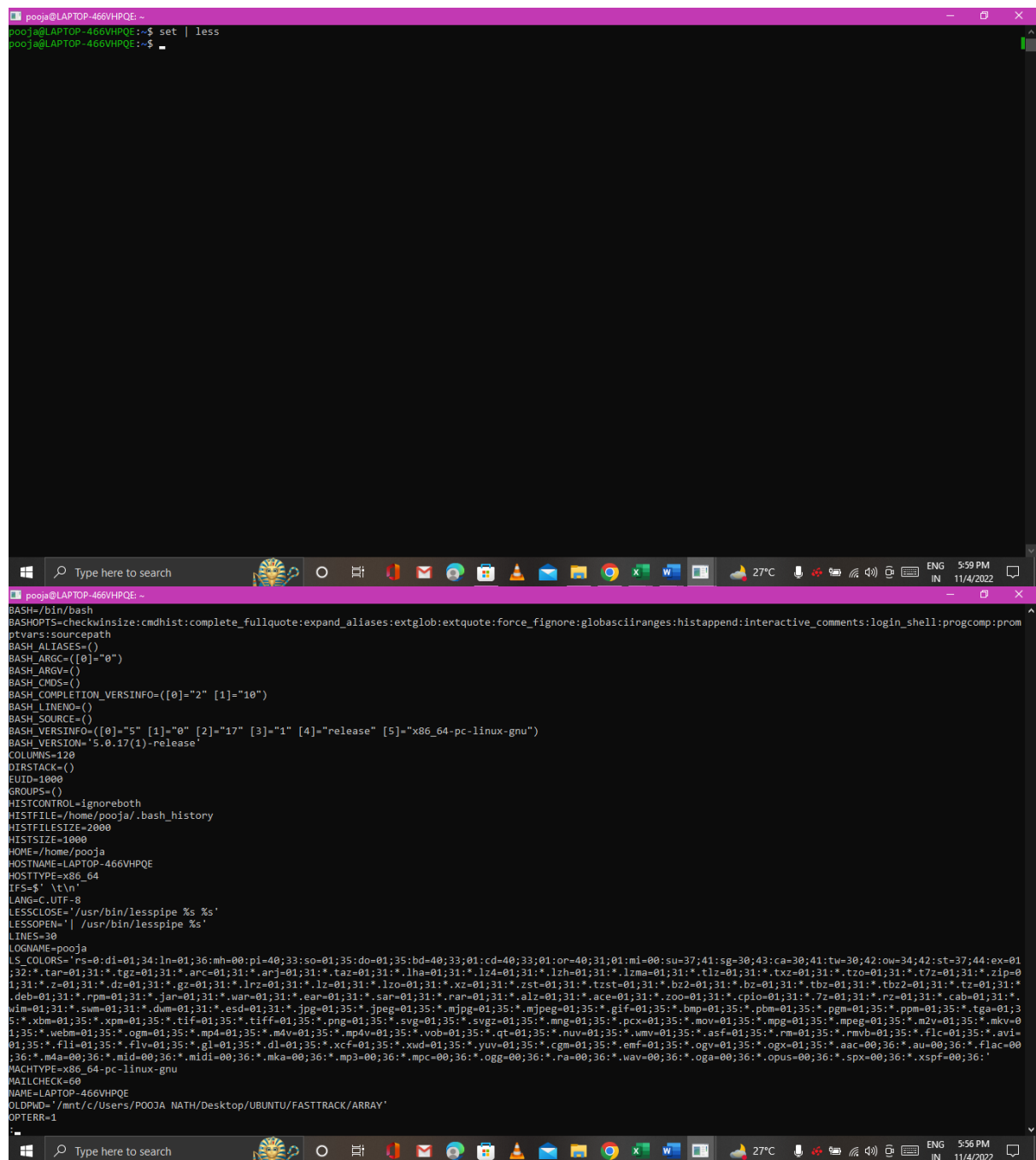


LINUX ENVIRONMENT VARIABLES

1. State the command for the following.

a. view current environment variables



```
pooja@LAPTOP-466VHPQE: ~$ set | less
pooja@LAPTOP-466VHPQE:~$
```

```
BASH=/bin/bash
BASHOPTS=checkwinsize:cmdhist:complete_fullquote:expand_aliases:extglob:extquote:force_ignores:globasciiranges:histappend:interactive_comments:login_shell:progcomp:promptvars:sourcepath
BASH_ALIASES=()
BASH_ARGC=(0)
BASH_ARGV=()
BASH_CMDS=()
BASH_COMPLETION_VERSION=([0]="2" [1]="10")
BASH_LINENO=()
BASH_SOURCE=()
BASH_VERSION=([0]="5" [1]="0" [2]="17" [3]="1" [4]="release" [5]="x86_64-pc-linux-gnu")
BASH_VERSION='5.0.17(1)-release'
COLUMNS=120
DIRSTACK=()
EUID=1000
GROUPS=()
HISTCONTROL=ignoreboth
HISTFILE=/home/pooja/.bash_history
HISTFILESIZE=2000
HISTSIZE=1000
HOME=/home/pooja
HOSTNAME=LAPTOP-466VHPQE
HOSTTYPE=x86_64
IFS=$'\n'
LANG=C.UTF-8
LESSCLOSE=/usr/bin/lesspipe %s %s
LESSOPEN='| /usr/bin/lesspipe %s'
LINES=30
LOGNAME=pooja
LS_COLORS=rs=0:di=01;34:ln=01;36:mh=00:pi=40;33:so=01;35:do=01;35:bd=40;33:01:cd=40;33:01:or=40;31:01:mi=00:su=37;41:sg=30;43:ca=30;41:tw=30;42:ow=34;42:st=37;44:ex=01;32:*.tar=01;31:*.tgz=01;31:*.arc=01;31:*.arj=01;31:*.taz=01;31:*.lha=01;31:*.lza=01;31:*.lzh=01;31:*.lmm=01;31:*.tlz=01;31:*.txz=01;31:*.tzo=01;31:*.t7z=01;31:*.zip=01;31:*.z=01;31:*.dz=01;31:*.gz=01;31:*.lhz=01;31:*.lzo=01;31:*.xz=01;31:*.zst=01;31:*.tztst=01;31:*.bz2=01;31:*.bz=01;31:*.tbz=01;31:*.tbz2=01;31:*.t7z=01;31:*.deb=01;31:*.rpm=01;31:*.jar=01;31:*.war=01;31:*.ear=01;31:*.sar=01;31:*.rar=01;31:*.alz=01;31:*.ace=01;31:*.zoo=01;31:*.cpio=01;31:*.7z=01;31:*.rz=01;31:*.cab=01;31:*.wim=01;31:*.swm=01;31:*.dwm=01;31:*.esd=01;31:*.jpg=01;35:*.jpeg=01;35:*.mjpg=01;35:*.mjpeg=01;35:*.gif=01;35:*.bmp=01;35:*.pbm=01;35:*.pgm=01;35:*.ppm=01;35:*.tga=01;35:*.xpm=01;35:*.xpm=01;35:*.tif=01;35:*.tiff=01;35:*.png=01;35:*.svg=01;35:*.svgz=01;35:*.mng=01;35:*.pcx=01;35:*.mov=01;35:*.mpg=01;35:*.mpeg=01;35:*.m2v=01;35:*.mkv=01;35:*.webm=01;35:*.ogm=01;35:*.mp4=01;35:*.m4v=01;35:*.mp4v=01;35:*.vob=01;35:*.qt=01;35:*.nuv=01;35:*.wmv=01;35:*.asf=01;35:*.rm=01;35:*.rmvb=01;35:*.flc=01;35:*.avi=01;35:*.flv=01;35:*.gl=01;35:*.dl=01;35:*.xcf=01;35:*.xwd=01;35:*.yuv=01;35:*.cgm=01;35:*.emf=01;35:*.ogv=01;35:*.ogx=01;35:*.aac=00;36:*.au=00;36:*.flac=00;36:*.m4a=00;36:*.mid=00;36:*.midi=00;36:*.mka=00;36:*.mp3=00;36:*.mpc=00;36:*.ogg=00;36:*.ra=00;36:*.wav=00;36:*.oga=00;36:*.opus=00;36:*.spx=00;36:*.xspf=00;36:
MACHINE=x86_64-pc-linux-gnu
MAILCHECK=60
NAME=LAPTOP-466VHPQE
OLDPWD=/mnt/c/Users/POOJA NATH/Desktop/UBUNTU/FASTTRACK/ARRAY
OPTERR=1
```

b. Display the PATH environment variable value

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

```
root@LAPTOP-466VHPQE: ~/Project
root@LAPTOP-466VHPQE:~# echo $PATH
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin
root@LAPTOP-466VHPQE:~# mkdir Project
root@LAPTOP-466VHPQE:~# cd Project
root@LAPTOP-466VHPQE:~/Project# vim MESSAGE
root@LAPTOP-466VHPQE:~/Project# chmod +x MESSAGE
root@LAPTOP-466VHPQE:~/Project# vim /root/.bashrc
root@LAPTOP-466VHPQE:~/Project#
```

```
root@LAPTOP-466VHPQE: ~/Project
# If this is an xterm set the title to user@host:dir
case "$TERM" in
xterm*|rxvt*)
    PS1="\[\e]0;${debian_chroot:+($debian_chroot)}\u@\h: \w\a\]$PS1"
    ;;
*)
    ;;
esac

# enable color support of ls and also add handy aliases
if [ -x /usr/bin/dircolors ]; then
    test -r ~/.dircolors && eval "$(dircolors -b ~/.dircolors)" || eval "$(dircolors -b)"
    alias ls='ls --color=auto'
    #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 -lF'
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
fi
-- INSERT --
```

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.