

Task 2

Mariam Hassan Amin

(3) List the available shells in your system

```
mariam@mariam-VMware-Virtual-Platform: /  
mariam@mariam-VMware-Virtual-Platform:/$ cat etc/shells  
# /etc/shells: valid login shells  
/bin/sh  
/usr/bin/sh  
/bin/bash  
/usr/bin/bash  
/bin/rbash  
/usr/bin/rbash  
/usr/bin/dash  
mariam@mariam-VMware-Virtual-Platform:/$
```

(4) List the environment variables in your current shell

```

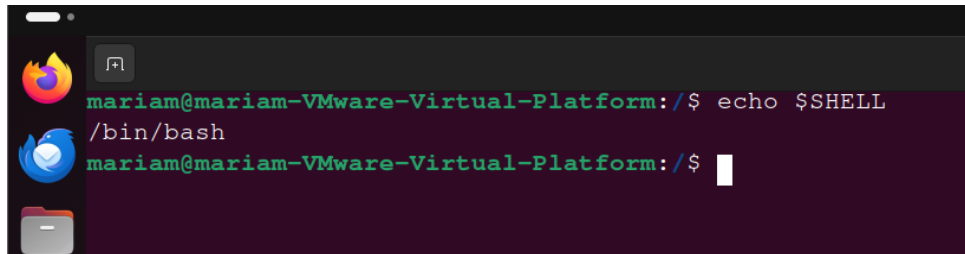
maria@maria-VMware-Virtual-Platform: /
maria@maria-VMware-Virtual-Platform:/$ env
SHELL=/bin/bash
SESSION_MANAGER=local/maria-VMware-Virtual-Platform:0/tmp/.ICE-unix/2583,unix/maria-VMware-Virtual-Platform:/tmp/.ICE-unix/2583
QT_ACCESSIBILITY=1
COLORTERM=truecolor
XDG_CONFIG_DIRS=/etc/xdg/xdg-ubuntu:/etc/xdg
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=/
LOGNAME=maria
XDG_SESSION_DESKTOP=ubuntu
XDG_SESSION_TYPE=x11
GPG_AGENT_INFO=/run/user/1000/gnupg/S.gpg-agent:0:1
SYSTEMD_EXEC_PID=2613
XAUTORITY=/run/user/1000/gdm/Xauthority
WINDOWPATH=2
HOME=/home/maria
USER=maria
LANG=en_US.UTF-8
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=00: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:*.lzh=01;31:*.lзма=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:*.lrz=01;31:*.lz=01;31:*.lzo=01;31:*.xz=01;31:*.zst=01;31:*.tzt=01;31:*.bz2=01;31:*.bz=01;31:*.tbz=01;31:*.tbz2=01;31:*.tzt=01;31:*.deb=01;31:*.rpm=01;31:*.jar=01;31:*.war=01;31:*.sar=01;31:*.rpmnew=01;31:*.rpmorig=01;31:*.rpmsave=01;31:*.swp=00;90:*.tmp=00;90:*.ucf-dist=00;90:*.ucf-new=00;90:*.ucf-old=00;90:
XDG_CURRENT_DESKTOP=ubuntu:GNOME
MEMORY_PRESSURE_WATCH=/sys/fs/cgroup/user.slice/user-1000.slice/user@1000.service/session.slice/org.gnome.Shell@x11.service/memory.pressure
VTE_VERSION=7600
GNOME_TERMINAL_SCREEN=/org/gnome/Terminal/screen/e61ef055_f0d0_4f5e_969e_830b51bd8d2b
LESSCLOSE=/usr/bin/lesspipe %s %s
XDG_SESSION_CLASS=user
TERM=xterm-256color
LESSOPEN=| /usr/bin/lesspipe %s
USER=maria
GNOME_TERMINAL_SERVICE=:1.88
DISPLAY=:1
SHLVL=1
GSM_SKIP_SSH_AGENT_WORKAROUND=true
QT_IM_MODULE=ibus
XDG_RUNTIME_DIR=/run/user/1000
DEBUGINFOD_URLS=https://debuginfod.ubuntu.com
XDG_DATA_DIRS=/usr/share/ubuntu:/usr/share/gnome:/usr/local/share:/usr/share:/var/lib/snapd/desktop
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin:/snap/bin
GDMSESSION=ubuntu
DBUS_SESSION_BUS_ADDRESS=unix:path=/run/user/1000/bus
_=/usr/bin/env
OLDPWD=/home/maria
maria@maria-VMware-Virtual-Platform:/$

```

Task 2

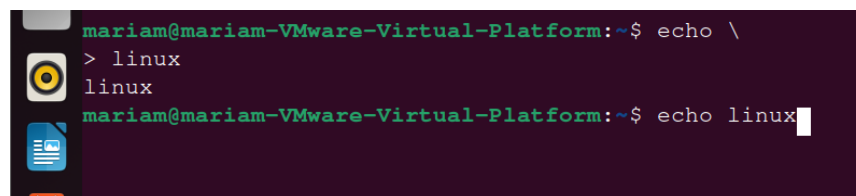
Mariam Hassan Amin

(5) Display your current shell name




```
mariam@mariam-VMware-Virtual-Platform:/$ echo $SHELL
/bin/bash
mariam@mariam-VMware-Virtual-Platform:/$
```

(6) What is the purpose of `\` “to write & print”



```
mariam@mariam-VMware-Virtual-Platform:~$ echo \
> linux
linux
mariam@mariam-VMware-Virtual-Platform:~$ echo linux
```

(7) Create a Bash shell alias named PrintPath for the “echo \$PATH” command



```
mariam@mariam-VMware-Virtual-Platform:~$ cat Path
#!/bin/bash

alias PrintPath='echo $PATH'
mariam@mariam-VMware-Virtual-Platform:~$ PrintPath
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin:/opt/games
mariam@mariam-VMware-Virtual-Platform:~$
```