

1.

[illegible]

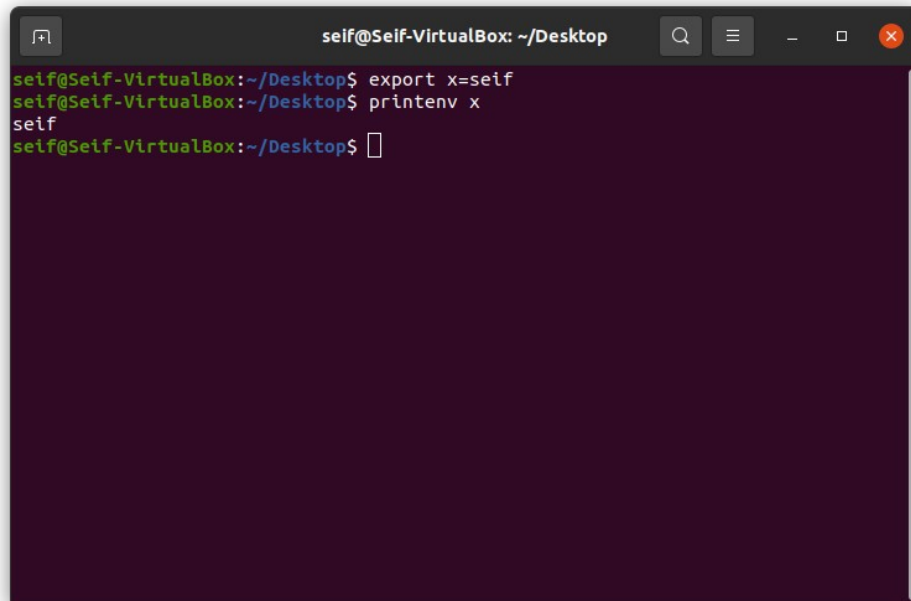
2.

- a:** PRESS j
b: PRESS k
c: PRESS : /age (N to move up & n to move down)
d: PRESS : set nu (to show number of lines) & :5 to go to line 5
e: PRESS : .,5d
F: PRESS : \$i

3.

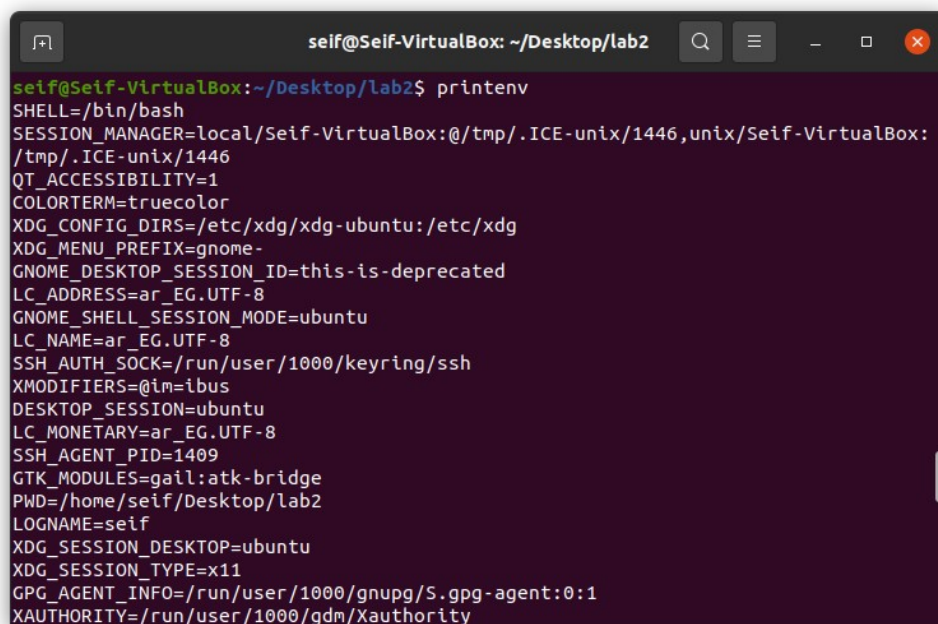
```
seif@Seif-VirtualBox: ~/Desktop
seif@Seif-VirtualBox:~/Desktop$ cat /etc/shells
# /etc/shells: valid login shells
/bin/sh
/bin/bash
/usr/bin/bash
/bin/rbash
/usr/bin/rbash
/bin/dash
/usr/bin/dash
seif@Seif-VirtualBox:~/Desktop$
```

4.



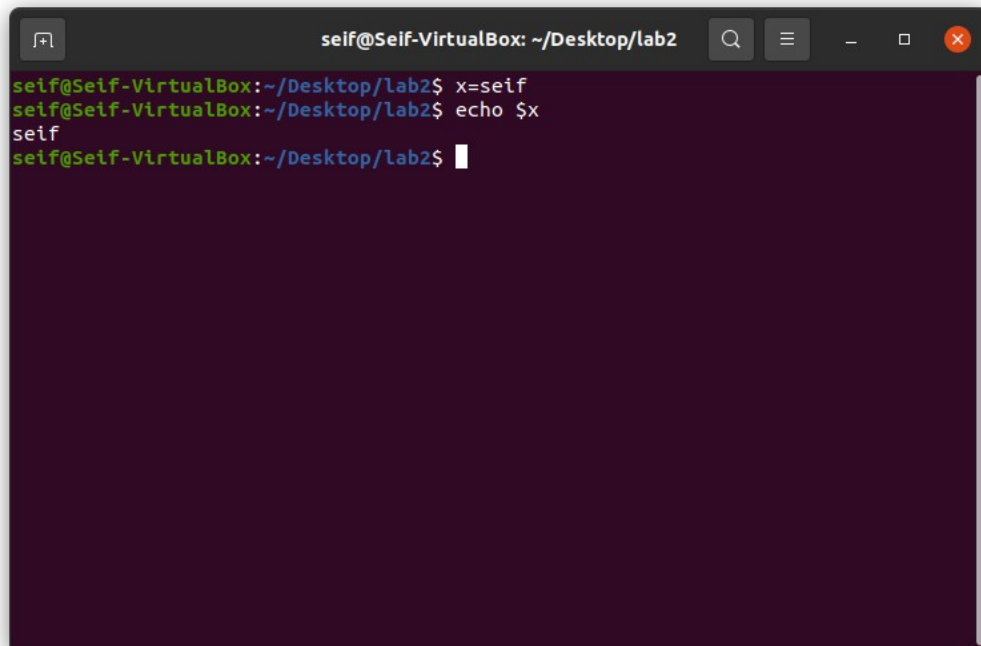
```
self@Self-VirtualBox: ~/Desktop
self@Self-VirtualBox:~/Desktop$ export x=self
self@Self-VirtualBox:~/Desktop$ printenv x
self
self@Self-VirtualBox:~/Desktop$
```

5.



```
self@Self-VirtualBox: ~/Desktop/lab2
self@Self-VirtualBox:~/Desktop/lab2$ printenv
SHELL=/bin/bash
SESSION_MANAGER=local/Seif-VirtualBox:@/tmp/.ICE-unix/1446,unix/Seif-VirtualBox:/tmp/.ICE-unix/1446
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
LC_ADDRESS=ar_EG.UTF-8
GNOME_SHELL_SESSION_MODE=ubuntu
LC_NAME=ar_EG.UTF-8
SSH_AUTH_SOCK=/run/user/1000/keyring/ssh
XMODIFIERS=@im=ibus
DESKTOP_SESSION=ubuntu
LC_MONETARY=ar_EG.UTF-8
SSH_AGENT_PID=1409
GTK_MODULES=gail:atk-bridge
PWD=/home/seif/Desktop/lab2
LOGNAME=seif
XDG_SESSION_DESKTOP=ubuntu
XDG_SESSION_TYPE=x11
GPG_AGENT_INFO=/run/user/1000/gnupg/S.gpg-agent:0:1
XAUTHORITY=/run/user/1000/qdm/Xauthority
```

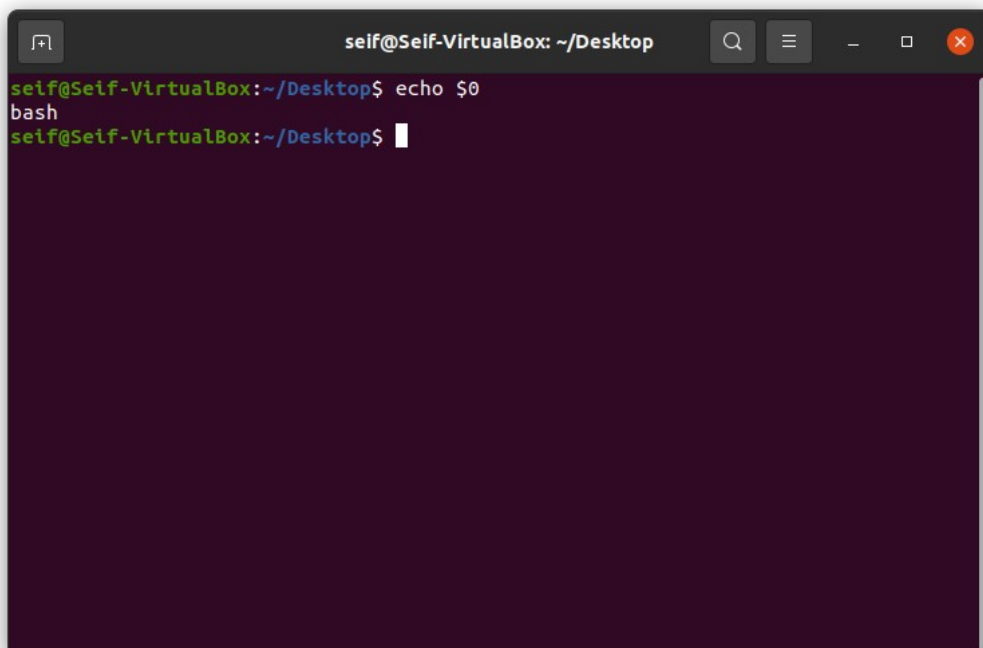
6.



```
seif@Seif-VirtualBox: ~/Desktop/lab2
seif@Seif-VirtualBox:~/Desktop/lab2$ x=seif
seif@Seif-VirtualBox:~/Desktop/lab2$ echo $x
seif
seif@Seif-VirtualBox:~/Desktop/lab2$
```

A terminal window titled "seif@Seif-VirtualBox: ~/Desktop/lab2". The prompt is "seif@Seif-VirtualBox:~/Desktop/lab2\$". The user enters "x=seif", then "echo \$x", which outputs "seif". The prompt returns to "seif@Seif-VirtualBox:~/Desktop/lab2\$".

7.



```
seif@Seif-VirtualBox: ~/Desktop
seif@Seif-VirtualBox:~/Desktop$ echo $0
bash
seif@Seif-VirtualBox:~/Desktop$
```

A terminal window titled "seif@Seif-VirtualBox: ~/Desktop". The prompt is "seif@Seif-VirtualBox:~/Desktop\$". The user enters "echo \$0", which outputs "bash". The prompt returns to "seif@Seif-VirtualBox:~/Desktop\$".

8.

```
self@Self-VirtualBox: /etc
self@Self-VirtualBox:/etc$ cd /etc && cat profile
# /etc/profile: system-wide .profile file for the Bourne shell (sh(1))
# and Bourne compatible shells (bash(1), ksh(1), ash(1), ...).

if [ "${PS1-}" ]; then
  if [ "${BASH-}" ] && [ "$BASH" != "/bin/sh" ]; then
    # The file bash.bashrc already sets the default PS1.
    # PS1='\h:\w\$ '
    if [ -f /etc/bash.bashrc ]; then
      . /etc/bash.bashrc
    fi
  else
    if [ "`id -u`" -eq 0 ]; then
      PS1='# '
    else
      PS1='$ '
    fi
  fi
fi

if [ -d /etc/profile.d ]; then
  for i in /etc/profile.d/*.sh; do
    if [ -r $i ]; then
      . $i
    fi
  done
fi
```

9.

```
self@Self-VirtualBox: ~
GNU nano 4.8 .bashrc
# ~/.bash_aliases, instead of adding them here directly.
# See /usr/share/doc/bash-doc/examples in the bash-doc package.

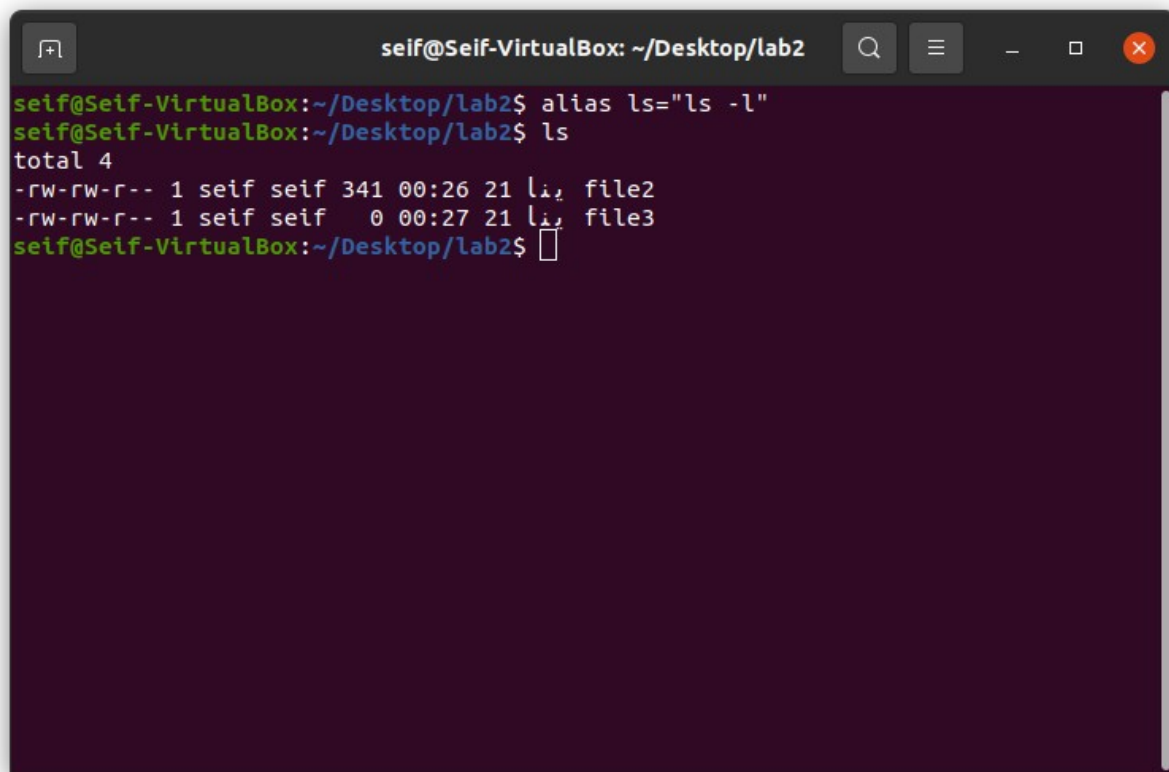
if [ -f ~/.bash_aliases ]; then
  . ~/.bash_aliases
fi

# 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 ! shopt -oq posix; then
  if [ -f /usr/share/bash-completion/bash_completion ]; then
    . /usr/share/bash-completion/bash_completion
  elif [ -f /etc/bash_completion ]; then
    . /etc/bash_completion
  fi
fi

## my configuration
date
```

^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos
^X Exit ^R Read File ^\ Replace ^U Paste Text ^T To Spell ^_ Go To Line

10.



```
seif@Seif-VirtualBox: ~/Desktop/lab2
seif@Seif-VirtualBox:~/Desktop/lab2$ alias ls="ls -l"
seif@Seif-VirtualBox:~/Desktop/lab2$ ls
total 4
-rw-rw-r-- 1 seif seif 341 00:26 21 |, file2
-rw-rw-r-- 1 seif seif  0 00:27 21 |, file3
seif@Seif-VirtualBox:~/Desktop/lab2$
```