

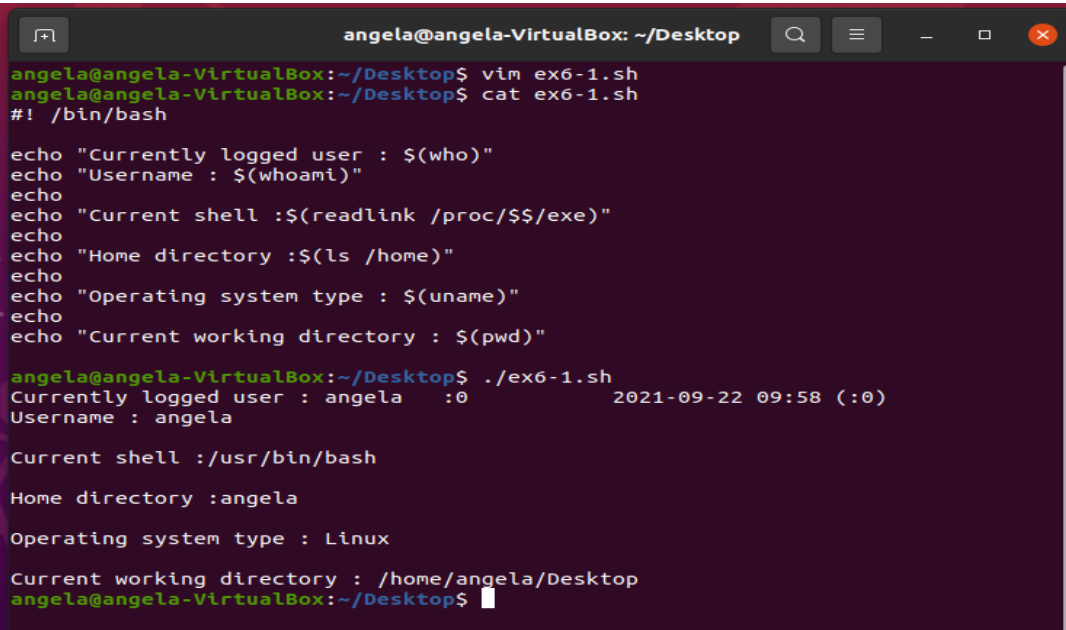
EXERCISE 6

- 1) Write shell script to show various system configuration like
Currently logged user and his log in name
Your current shell
Your home directory
Your operating system type
Your current working directory

```
angela@angela-VirtualBox:~/Desktop$ vim ex6-1.sh
angela@angela-VirtualBox:~/Desktop$ cat ex6-1.sh
#!/bin/bash
```

```
echo "Currently logged user : $(who)"
echo "Username : $(whoami)"
echo
echo "Current shell :$(readlink /proc/$$/exe)"
echo
echo "Home directory :$(ls /home)"
echo
echo "Operating system type : $(uname)"
echo
echo "Current working directory : $(pwd)"
```

```
angela@angela-VirtualBox:~/Desktop$ ./ex6-1.sh
```



```
angela@angela-VirtualBox: ~/Desktop
angela@angela-VirtualBox:~/Desktop$ vim ex6-1.sh
angela@angela-VirtualBox:~/Desktop$ cat ex6-1.sh
#!/bin/bash

echo "Currently logged user : $(who)"
echo "Username : $(whoami)"
echo
echo "Current shell :$(readlink /proc/$$/exe)"
echo
echo "Home directory :$(ls /home)"
echo
echo "Operating system type : $(uname)"
echo
echo "Current working directory : $(pwd)"

angela@angela-VirtualBox:~/Desktop$ ./ex6-1.sh
Currently logged user : angela      :0                2021-09-22 09:58 (:0)
Username : angela

Current shell :/usr/bin/bash

Home directory :angela

Operating system type : Linux

Current working directory : /home/angela/Desktop
angela@angela-VirtualBox:~/Desktop$
```

- 2) Write shell script to show various system configurations like
- your OS and version, release number, kernel version
 - all available shells
 - File system (Mounted)

angela@angela-VirtualBox:~/Desktop\$ vim ex6-2.sh

angela@angela-VirtualBox:~/Desktop\$ cat ex6-2.sh

```
#!/bin/bash
echo "OS : $(uname -s)"
echo
echo "OS version : $(cat /etc/os-release | grep VERSION=)"
echo
echo "Release number : $(uname -r)"
echo
echo "Kernal version : $(uname -v)"
echo
echo "All available shells : "
cat /etc/shells
echo
echo "File system(Mounted) : "
df -h
```

angela@angela-VirtualBox:~/Desktop\$./ex6-2.sh

```
angela@angela-VirtualBox:~/Desktop$ ./ex6-2.sh
OS : Linux

OS version : VERSION="20.04.2 LTS (Focal Fossa)"

Release number : 5.11.0-34-generic

Kernal version : #36~20.04.1-Ubuntu SMP Fri Aug 27 08:06:32 UTC 2021

All available shells :
# /etc/shells: valid login shells
/bin/sh
/bin/bash
/usr/bin/bash
/bin/rbash
/usr/bin/rbash
/bin/dash
/usr/bin/dash

File system(Mounted) :
Filesystem      Size  Used Avail Use% Mounted on
udev            1.6G   0    1.6G   0% /dev
tmpfs           325M   1.4M  323M   1% /run
/dev/sda5       49G   11G   35G   24% /
tmpfs           1.6G   0    1.6G   0% /dev/shm
tmpfs           5.0M   4.0K   5.0M   1% /run/lock
tmpfs           1.6G   0    1.6G   0% /sys/fs/cgroup
/dev/loop0       56M   56M   0 100% /snap/core18/2074
/dev/loop2     219M  219M   0 100% /snap/gnome-3-34-1804/72
/dev/loop3       56M   56M   0 100% /snap/core18/2128
/dev/loop4       65M   65M   0 100% /snap/gtk-common-themes/1514
/dev/loop1     219M  219M   0 100% /snap/gnome-3-34-1804/66
/dev/loop5       66M   66M   0 100% /snap/gtk-common-themes/1515
/dev/loop6       52M   52M   0 100% /snap/snap-store/518
/dev/loop7       33M   33M   0 100% /snap/snapd/12883
/dev/loop8       51M   51M   0 100% /snap/snap-store/547
/dev/loop9       33M   33M   0 100% /snap/snapd/12704
/dev/sda1       511M   4.0K  511M   1% /boot/efi
tmpfs           325M   36K  325M   1% /run/user/1000
/dev/sr0         59M   59M   0 100% /media/angela/VBox_GAs_6.1.221
angela@angela-VirtualBox:~/Desktop$
```