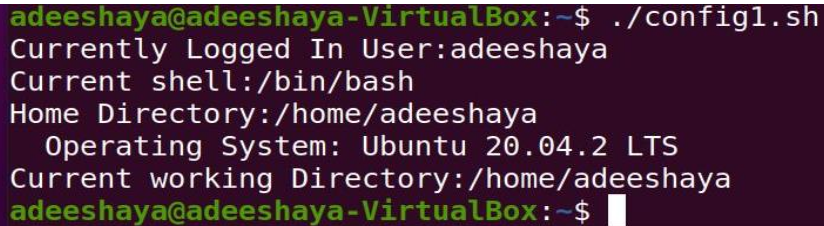# EXERCISE 6

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

```bash
#!/bin/bash
echo "Currently Logged In User:`whoami`"
echo "Current shell:$SHELL"
echo "Home Directory:$HOME"
echo "`hostnamectl | head -7 | tail -1`"
echo "Current working Directory:`pwd`"
```

```
adeeshaya@adeeshaya-VirtualBox:~$ ./config1.sh
Currently Logged In User:adeeshaya
Current shell:/bin/bash
Home Directory:/home/adeeshaya
  Operating System: Ubuntu 20.04.2 LTS
Current working Directory:/home/adeeshaya
adeeshaya@adeeshaya-VirtualBox:~$
```

2) Write shell script to show various system configurations like

- your OS and version, release number, kernel version
- all available shells
- File system (Mounted)

```bash
#!/bin/bash
echo "------------OS Version,Release
number,Kernel version--------------"
cat /etc/os-release
echo "-----------------------------------------
-----------------------"
echo "The shells available are `cat /etc/shells`"
```

```
echo "----------------------------------------
----------------------"

echo -e "---------------File system mounted------
----------------------"
df -h
```

```
adeeshaya@adeeshaya-VirtualBox:~$ ./config2.sh
-------------OS Version,Release number,Kernel version--------------
NAME="Ubuntu"
VERSION="20.04.2 LTS (Focal Fossa)"
ID=ubuntu
ID_LIKE=debian
PRETTY_NAME="Ubuntu 20.04.2 LTS"
VERSION_ID="20.04"
HOME_URL="https://www.ubuntu.com/"
SUPPORT_URL="https://help.ubuntu.com/"
BUG_REPORT_URL="https://bugs.launchpad.net/ubuntu/"
PRIVACY_POLICY_URL="https://www.ubuntu.com/legal/terms-and-policies/privacy-policy"
VERSION_CODENAME=focal
UBUNTU_CODENAME=focal
----------------------------------------------------------------
```

```
---------------------------------------------------------------
The shells available are # /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            964M     0  964M   0% /dev
tmpfs           199M  1.4M  198M   1% /run
/dev/sda5       9.3G  7.8G  1.1G  88% /
tmpfs           993M     0  993M   0% /dev/shm
tmpfs           5.0M  4.0K  5.0M   1% /run/lock
tmpfs           993M     0  993M   0% /sys/fs/cgroup
/dev/loop0       56M   56M     0 100% /snap/core18/2066
/dev/loop2      219M  219M     0 100% /snap/gnome-3-34-1804/66
/dev/loop1       56M   56M     0 100% /snap/core18/2128
/dev/loop5       66M   66M     0 100% /snap/gtk-common-themes/1515
/dev/loop3      219M  219M     0 100% /snap/gnome-3-34-1804/72
/dev/loop4       65M   65M     0 100% /snap/gtk-common-themes/1514
/dev/loop6       52M   52M     0 100% /snap/snap-store/518
/dev/loop7       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           199M   48K  199M   1% /run/user/1000
/dev/sr0         59M   59M     0 100% /media/adeeshaya/VBox_GAs_6.1.22
/dev/loop10      33M   33M     0 100% /snap/snapd/12883
```