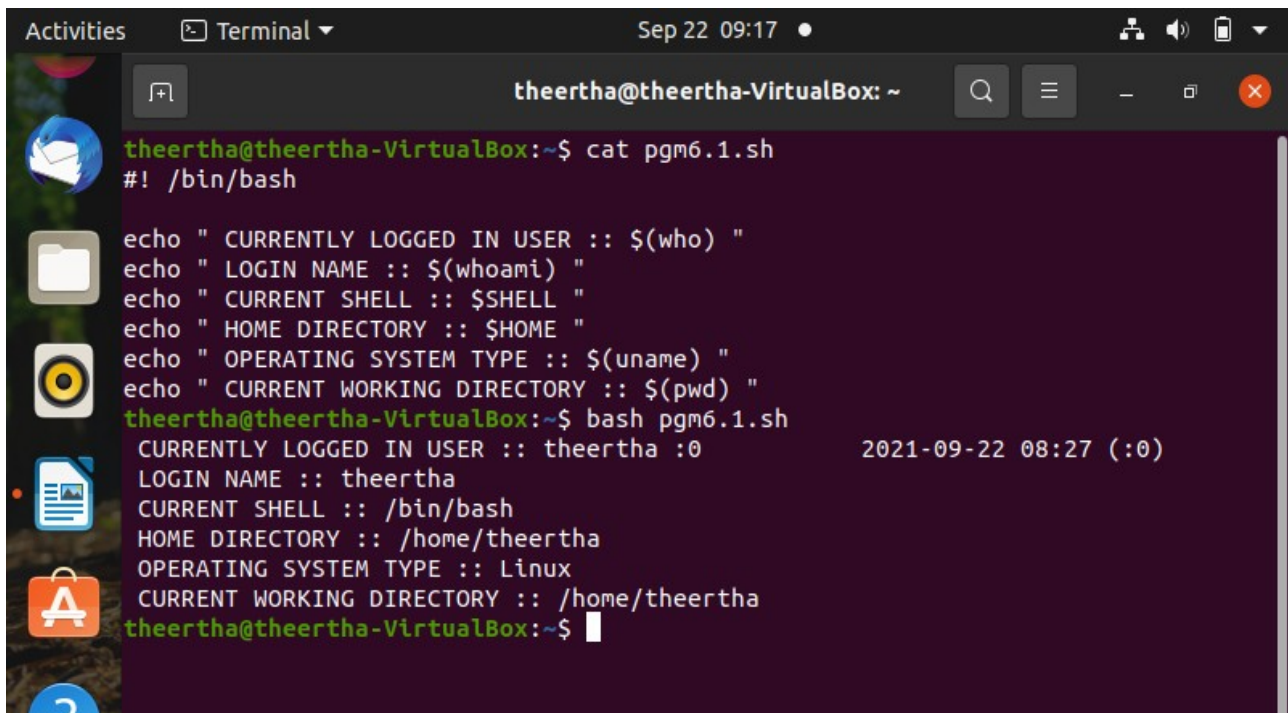


EXERCISE 6

- 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

A screenshot of a Linux terminal window titled 'theertha@theertha-VirtualBox: ~'. The window shows a user running a script named 'pgm6.1.sh'. The script's content is displayed, showing several 'echo' commands that output system information. The user then runs the script, and the output is shown, including the current user, login name, shell, home directory, operating system type, and current working directory. The terminal window has a dark background and a sidebar with application icons on the left.

```
theertha@theertha-VirtualBox:~$ cat pgm6.1.sh
#!/bin/bash

echo " CURRENTLY LOGGED IN USER :: $(who) "
echo " LOGIN NAME :: $(whoami) "
echo " CURRENT SHELL :: $SHELL "
echo " HOME DIRECTORY :: $HOME "
echo " OPERATING SYSTEM TYPE :: $(uname) "
echo " CURRENT WORKING DIRECTORY :: $(pwd) "
theertha@theertha-VirtualBox:~$ bash pgm6.1.sh
CURRENTLY LOGGED IN USER :: theertha :0          2021-09-22 08:27 (:0)
LOGIN NAME :: theertha
CURRENT SHELL :: /bin/bash
HOME DIRECTORY :: /home/theertha
OPERATING SYSTEM TYPE :: Linux
CURRENT WORKING DIRECTORY :: /home/theertha
theertha@theertha-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)

```
Activities Terminal Sep 22 09:20 theertha@theertha-VirtualBox: ~  
theertha@theertha-VirtualBox:~$ cat pgm6.2.sh  
#!/bin/bash  
  
echo " DETAILS OF OS TYPE :: $(uname -a) "  
echo " ALL AVAILABLE SHELLS :: "  
cat /etc/shells;  
echo "FILE SYSTEM (mounted) :: "  
df -h  
theertha@theertha-VirtualBox:~$ bash pgm6.2.sh  
DETAILS OF OS TYPE :: Linux theertha-VirtualBox 5.11.0-25-generic #27~20.04.1-  
Ubuntu SMP Tue Jul 13 17:41:23 UTC 2021 x86_64 x86_64 x86_64 GNU/Linux  
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            705M   0    705M   0% /dev  
tmpfs           147M  1.3M  146M   1% /run  
/dev/sda5       9.3G  8.3G  508M  95% /  
tmpfs           733M   0    733M   0% /dev/shm  
tmpfs           5.0M  4.0K  5.0M   1% /run/lock  
tmpfs           733M   0    733M   0% /sys/fs/cgroup  
/dev/loop5      52M   52M   0 100% /snap/snap-store/518
```

```
Activities Terminal Sep 22 09:20 theertha@theertha-VirtualBox: ~  
# /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            705M   0    705M   0% /dev  
tmpfs           147M  1.3M  146M   1% /run  
/dev/sda5       9.3G  8.3G  508M  95% /  
tmpfs           733M   0    733M   0% /dev/shm  
tmpfs           5.0M  4.0K  5.0M   1% /run/lock  
tmpfs           733M   0    733M   0% /sys/fs/cgroup  
/dev/loop5      52M   52M   0 100% /snap/snap-store/518  
/dev/loop0      56M   56M   0 100% /snap/core18/2128  
/dev/loop2      219M  219M   0 100% /snap/gnome-3-34-1804/72  
/dev/loop1      219M  219M   0 100% /snap/gnome-3-34-1804/66  
/dev/loop6      66M   66M   0 100% /snap/gtk-common-themes/1515  
/dev/loop3      65M   65M   0 100% /snap/gtk-common-themes/1514  
/dev/loop9      33M   33M   0 100% /snap/snapd/12883  
/dev/loop7      51M   51M   0 100% /snap/snap-store/547  
/dev/loop8      33M   33M   0 100% /snap/snapd/12704  
/dev/loop4      56M   56M   0 100% /snap/core18/2074  
/dev/sda1       511M  4.0K  511M   1% /boot/efi  
tmpfs           147M  28K  147M   1% /run/user/1000  
theertha@theertha-VirtualBox:~$
```