EXERCISE 6
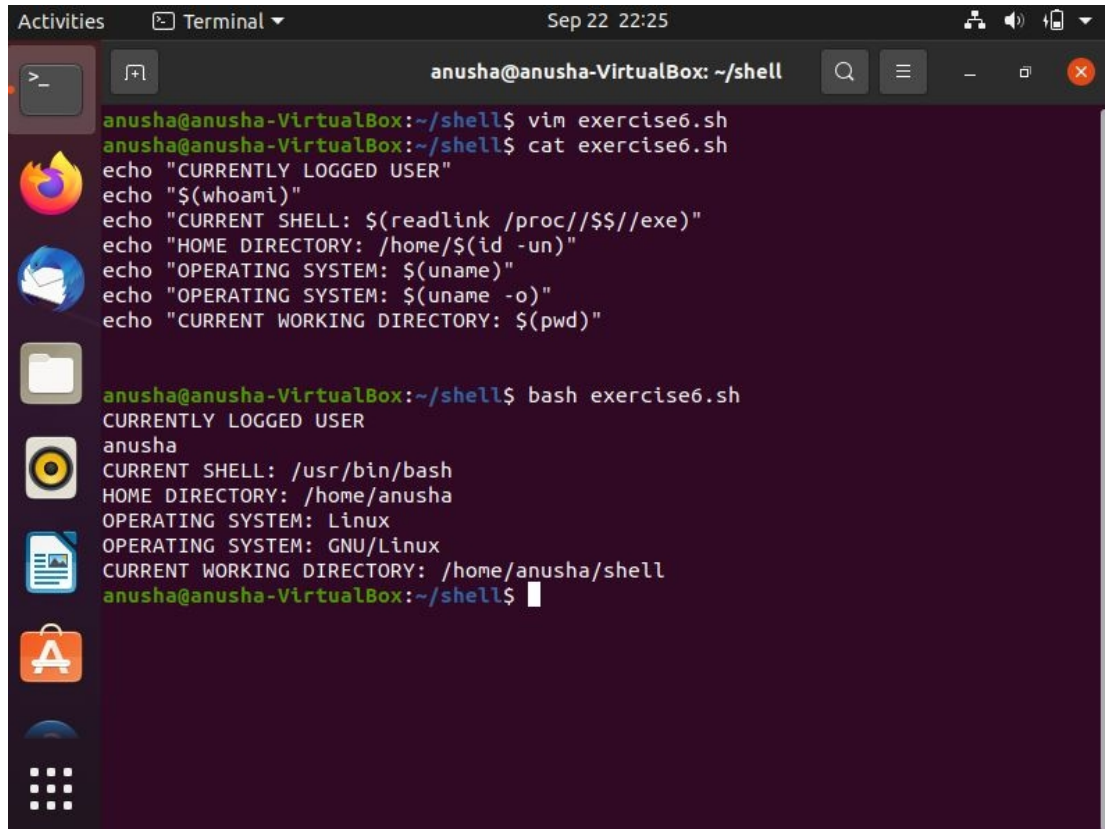
1)Write shell script to show various system configuration like
- Currently logged user and his log in name
- Your current shell
- Your home directory
- Your operating system type
- Your current working directory

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

anusha@anusha-VirtualBox: ~/shell   Q   ≡   _   ▢   ✕

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anusha@anusha-VirtualBox:~/shell$ vim ex6.sh
anusha@anusha-VirtualBox:~/shell$ cat ex6.sh
echo "OPERATING SYSTEM: $(uname)"
echo "RELEASE NUMBER OF KERNAL: $(uname -r)"
echo "RELEASE NUMBER OF KERNAL: $(uname --kernel-release)"
echo "KERNAL VERSION: $(uname -v)"
echo "KERNAL VERSION: $(uname --kernel-version)"
echo "AVAILABLE SHELLS: $(cat /etc/shells)"
echo "MOUNTED FILE SYSTEMS: $(mount)"
anusha@anusha-VirtualBox:~/shell$ bash ex6.sh
OPERATING SYSTEM: Linux
RELEASE NUMBER OF KERNAL: 5.8.0-43-generic
RELEASE NUMBER OF KERNAL: 5.8.0-43-generic
KERNAL VERSION: #49~20.04.1-Ubuntu SMP Fri Feb 5 09:57:56 UTC 2021
KERNAL VERSION: #49~20.04.1-Ubuntu SMP Fri Feb 5 09:57:56 UTC 2021
AVAILABLE SHELLS: # /etc/shells: valid login shells
/bin/sh
/bin/bash
/usr/bin/bash
/bin/rbash
/usr/bin/rbash
/bin/dash
/usr/bin/dash
MOUNTED FILE SYSTEMS: sysfs on /sys type sysfs (rw,nosuid,nodev,noexec,relatime
```

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MOUNTED FILE SYSTEMS: sysfs on /sys type sysfs (rw,nosuid,nodev,noexec,relatime
)
proc on /proc type proc (rw,nosuid,nodev,noexec,relatime)
udev on /dev type devtmpfs (rw,nosuid,noexec,relatime,size=473028k,nr_inodes=11
8257,mode=755)
devpts on /dev/pts type devpts (rw,nosuid,noexec,relatime,gid=5,mode=620,ptmxmo
de=000)
tmpfs on /run type tmpfs (rw,nosuid,nodev,noexec,relatime,size=100440k,mode=755
)
/dev/sda5 on / type ext4 (rw,relatime,errors=remount-ro)
securityfs on /sys/kernel/security type securityfs (rw,nosuid,nodev,noexec,rela
time)
tmpfs on /dev/shm type tmpfs (rw,nosuid,nodev)
tmpfs on /run/lock type tmpfs (rw,nosuid,nodev,noexec,relatime,size=5120k)
tmpfs on /sys/fs/cgroup type tmpfs (ro,nosuid,nodev,noexec,mode=755)
cgroup2 on /sys/fs/cgroup/unified type cgroup2 (rw,nosuid,nodev,noexec,relatime
,nsdelegate)
cgroup on /sys/fs/cgroup/systemd type cgroup (rw,nosuid,nodev,noexec,relatime,x
attr,name=systemd)
pstore on /sys/fs/pstore type pstore (rw,nosuid,nodev,noexec,relatime)
none on /sys/fs/bpf type bpf (rw,nosuid,nodev,noexec,relatime,mode=700)
cgroup on /sys/fs/cgroup/blkio type cgroup (rw,nosuid,nodev,noexec,relatime,blk
io)
cgroup on /sys/fs/cgroup/pids type cgroup (rw,nosuid,nodev,noexec,relatime,pids
)
cgroup on /sys/fs/cgroup/rdma type cgroup (rw,nosuid,nodev,noexec,relatime,rdma
)
cgroup on /sys/fs/cgroup/net_cls,net_prio type cgroup (rw,nosuid,nodev,noexec,r
elatime,net_cls,net_prio)
```

anusha@anusha-VirtualBox: ~/shell　　🔍 ☰ ─ ⬜ ✕

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dev,relatime,x-gdu.hide)
/var/lib/snapd/snaps/core18_2128.snap on /snap/core18/2128 type squashfs (ro,no
dev,relatime,x-gdu.hide)
/var/lib/snapd/snaps/gnome-3-34-1804_66.snap on /snap/gnome-3-34-1804/66 type s
quashfs (ro,nodev,relatime,x-gdu.hide)
/var/lib/snapd/snaps/gnome-3-34-1804_72.snap on /snap/gnome-3-34-1804/72 type s
quashfs (ro,nodev,relatime,x-gdu.hide)
/var/lib/snapd/snaps/snap-store_547.snap on /snap/snap-store/547 type squashfs
(ro,nodev,relatime,x-gdu.hide)
/var/lib/snapd/snaps/snap-store_518.snap on /snap/snap-store/518 type squashfs
(ro,nodev,relatime,x-gdu.hide)
/var/lib/snapd/snaps/snapd_12883.snap on /snap/snapd/12883 type squashfs (ro,no
dev,relatime,x-gdu.hide)
/var/lib/snapd/snaps/gtk-common-themes_1515.snap on /snap/gtk-common-themes/151
5 type squashfs (ro,nodev,relatime,x-gdu.hide)
/var/lib/snapd/snaps/snapd_13170.snap on /snap/snapd/13170 type squashfs (ro,no
dev,relatime,x-gdu.hide)
/var/lib/snapd/snaps/gtk-common-themes_1519.snap on /snap/gtk-common-themes/151
9 type squashfs (ro,nodev,relatime,x-gdu.hide)
/dev/sda1 on /boot/efi type vfat (rw,relatime,fmask=0077,dmask=0077,codepage=43
7,iocharset=iso8859-1,shortname=mixed,errors=remount-ro)
tmpfs on /run/user/1000 type tmpfs (rw,nosuid,nodev,relatime,size=100440k,mode=
700,uid=1000,gid=1000)
gvfsd-fuse on /run/user/1000/gvfs type fuse.gvfsd-fuse (rw,nosuid,nodev,relatim
e,user_id=1000,group_id=1000)
/dev/sr0 on /media/anusha/VBox_GAs_6.1.22 type iso9660 (ro,nosuid,nodev,relatim
e,nojoliet,check=s,map=n,blocksize=2048,uid=1000,gid=1000,dmode=500,fmode=400,u
helper=udisks2)
anusha@anusha-VirtualBox:~/shell$
```