1.

```
karthik@karthik-VirtualBox:~$ cat exercise6-1.sh
#! /bin/bash

echo " Currently logged user : "
whoami
echo
echo " Currentt Shell : "
ps
echo
echo " Home Directory : "
eval echo $USER
echo
echo " operating system type : "
lsb_release -i
echo
echo " Currently working directory : "
pwd
```

```
karthik@karthik-VirtualBox:~$ cat exercise6-1.sh
#! /bin/bash

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whoami
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echo " Currentt Shell : "
ps
echo
echo " Home Directory : "
eval echo $USER
echo
echo " operating system type : "
lsb_release -i
echo
echo " Currently working directory : "
pwd
```

karthik@karthik-VirtualBox:~$ bash exercise6-1.sh

Currently logged user :

karthik

Currentt Shell :

PID TTY TIME CMD

1631 pts/0 00:00:00 bash

1909 pts/0 00:00:00 cat

2134 pts/0 00:00:00 bash

2136 pts/0 00:00:00 ps

Home Directory :

karthik

operating system type :

Distributor ID: Ubuntu

Currently working directory :

/home/karthik

```
karthik@karthik-VirtualBox:~$ bash exercise6-1.sh
 Currently logged user :
karthik

 Currentt Shell :
    PID TTY          TIME CMD
   1631 pts/0    00:00:00 bash
   1909 pts/0    00:00:00 cat
   2134 pts/0    00:00:00 bash
   2136 pts/0    00:00:00 ps

 Home Directory :
karthik

 operating system type :
Distributor ID: Ubuntu

 Currently working directory :
/home/karthik
```


2.

karthik@karthik-VirtualBox:~$ cat exercise6-2.sh

#! /bin/bash

echo " OS and version, release number, kernel version : "

cat /etc/os-release

echo

echo

echo " All available Shells : "

cat /etc/shells

echo

echo

echo " File System : "

df -T

```
karthik@karthik-VirtualBox:~$ cat exercise6-2.sh
#! /bin/bash

echo " OS and version, release number, kernel version :  "
cat /etc/os-release
echo
echo
echo " All available Shells : "
cat /etc/shells
echo
echo
echo " File System : "
df -T
```

karthik@karthik-VirtualBox:~$ bash exercise6-2.sh

OS and 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

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 :

Filesystem Type 1K-blocks Used Available Use% Mounted on

udev devtmpfs 987936 0 987936 0% /dev

tmpfs tmpfs 203500 1352 202148 1% /run

/dev/sda5 ext4 9736500 8044888 1177308 88% /

tmpfs tmpfs 1017480 0 1017480 0% /dev/shm

tmpfs tmpfs 5120 4 5116 1% /run/lock

tmpfs tmpfs 1017480 0 1017480 0% /sys/fs/cgroup

/dev/loop0 squashfs 128 128 0 100% /snap/bare/5

/dev/loop2 squashfs 56832 56832 0 100% /snap/core18/2128

/dev/loop1 squashfs 56832 56832 0 100% /snap/core18/2066

/dev/loop3 squashfs 224256 224256 0 100% /snap/gnome-3-34-1804/66

/dev/loop4 squashfs 224256 224256 0 100% /snap/gnome-3-34-1804/72

/dev/loop5 squashfs 66688 66688 0 100% /snap/gtk-common-themes/1515

/dev/loop6 squashfs 52352 52352 0 100% /snap/snap-store/518

/dev/loop7 squashfs 66816 66816 0 100% /snap/gtk-common-themes/1519

/dev/loop8 squashfs 33152 33152 0 100% /snap/snapd/12883

/dev/loop9 squashfs 52224 52224 0 100% /snap/snap-store/547

/dev/loop10 squashfs 33152 33152 0 100% /snap/snapd/13170

/dev/sda1 vfat 523248 4 523244 1% /boot/efi

tmpfs tmpfs 203496 28 203468 1% /run/user/1000

```
karthik@karthik-VirtualBox:~$ bash exercise6-2.sh
 OS and 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


 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 :
Filesystem      Type      1K-blocks      Used Available Use% Mounted on
udev            devtmpfs    987936          0    987936   0% /dev
tmpfs           tmpfs       203500       1352    202148   1% /run
/dev/sda5       ext4       9736500    8044888   1177308  88% /
tmpfs           tmpfs      1017480          0   1017480   0% /dev/shm
tmpfs           tmpfs         5120          4      5116   1% /run/lock
tmpfs           tmpfs      1017480          0   1017480   0% /sys/fs/cgroup
/dev/loop0      squashfs       128        128         0 100% /snap/bare/5
/dev/loop2      squashfs     56832      56832         0 100% /snap/core18/2128
/dev/loop1      squashfs     56832      56832         0 100% /snap/core18/2066
/dev/loop3      squashfs    224256     224256         0 100% /snap/gnome-3-34-1804/66
/dev/loop4      squashfs    224256     224256         0 100% /snap/gnome-3-34-1804/72
/dev/loop5      squashfs     66688      66688         0 100% /snap/gtk-common-themes/1515
/dev/loop6      squashfs     52352      52352         0 100% /snap/snap-store/518
/dev/loop7      squashfs     66816      66816         0 100% /snap/gtk-common-themes/1519
/dev/loop8      squashfs     33152      33152         0 100% /snap/snapd/12883
/dev/loop9      squashfs     52224      52224         0 100% /snap/snap-store/547
/dev/loop10     squashfs     33152      33152         0 100% /snap/snapd/13170
/dev/sda1       vfat        523248          4    523244   1% /boot/efi
tmpfs           tmpfs       203496         28    203468   1% /run/user/1000
```