

1.

```
alen@alen:~$ cat > prgm1.sh
#!/bin/bash

echo "*****"
echo "Currently logged user is: "
echo "*****"
who
echo

echo "*****"
echo "Current shell is: "
echo "*****"
ps
echo

echo "*****"
echo "Home Directory is: "
echo "*****"
eval echo $USER
echo

echo "*****"
echo "operating system type is: "
echo "*****"
lsb_release -a
echo

echo "*****"
echo "current working directory is: "

echo "current working directory is: "
echo "*****"
pwd
```

```

alen@alen:~$ bash prgm1.sh
*****
Currently logged user is:
*****
alen      :0                2021-09-23 07:23 (:0)

*****
Currernt shell is:
*****

    PID TTY          TIME CMD
    23697 pts/0        00:00:00 bash
    24167 pts/0        00:00:00 bash
    24169 pts/0        00:00:00 ps

*****
Home Directory is:
*****
alen

*****
operating system type is:
*****
No LSB modules are available.
Distributor ID: Ubuntu
Description:    Ubuntu 20.04.3 LTS
Release:        20.04
Codename:       focal

*****

current working directory is:
*****
/home/alen

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#!/bin/bash

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```

echo "*****"
echo "Currently logged user is: "
echo "*****"
who
echo

echo "*****"
echo "Currernt shell is: "
echo "*****"
ps
echo

echo "*****"
echo "Home Directory is: "

```

```
echo "*****"
eval echo $USER
echo
```

```
echo "*****"
echo "operating system type is: "
echo "*****"
lsb_release -a
echo
```

```
echo "*****"
echo "current working directory is: "
echo "*****"
pwd
alen@alen:~$ bash prgm1.sh
```

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Currently logged user is:

\*\*\*\*\*

alen :0 2021-09-23 07:23 (:0)

\*\*\*\*\*

Current shell is:

\*\*\*\*\*

PID	TTY	TIME	CMD
23697	pts/0	00:00:00	bash
24167	pts/0	00:00:00	bash
24169	pts/0	00:00:00	ps

\*\*\*\*\*

Home Directory is:

\*\*\*\*\*

Alen

2.

```

alen@alen:~$ cat > prgm2.sh
#!/bin/bash

echo "*****"
echo "OS and version, release number, kernel version is: "
echo "*****"
cat /etc/os-release
echo

echo "*****"
echo "All available shell is: "
echo "*****"
cat /etc/shells
echo

echo "*****"
echo "file system is: "
echo "*****"
df -T

```

```

alen@alen:~$ bash prgm2.sh
*****
OS and version, release number, kernel version is:
*****
NAME="Ubuntu"
VERSION="20.04.3 LTS (Focal Fossa)"
ID=ubuntu
ID_LIKE=debian
PRETTY_NAME="Ubuntu 20.04.3 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 shell is:
*****
# /etc/shells: valid login shells
/bin/sh
/bin/bash
/usr/bin/bash
/bin/rbash
/usr/bin/rbash
/bin/dash
/usr/bin/dash

```

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*****
file system is:
*****
Filesystem      Type      1K-blocks    Used Available Use% Mounted on
udev            devtmpfs   1751444        0   1751444    0% /dev
tmpfs           tmpfs      356216       1392   354824    1% /run
/dev/sda5       ext4      102919080 9900568 87747472   11% /
tmpfs           tmpfs      1781060        0   1781060    0% /dev/shm
tmpfs           tmpfs       5120          4     5116    1% /run/lock
tmpfs           tmpfs      1781060        0   1781060    0% /sys/fs/cgroup
/dev/loop0      squashfs   56832       56832        0 100% /snap/core18/2066
/dev/loop2      squashfs   224256     224256        0 100% /snap/gnome-3-34-1804/
66
/dev/loop1      squashfs   56832       56832        0 100% /snap/core18/2128
/dev/loop5      squashfs   52224       52224        0 100% /snap/snap-store/547
/dev/loop4      squashfs   224256     224256        0 100% /snap/gnome-3-34-1804/
72
/dev/loop3      squashfs   66688       66688        0 100% /snap/gtk-common-theme
s/1515
/dev/loop6      squashfs   52224       52224        0 100% /snap/snap-store/542
/dev/loop8      squashfs   33152       33152        0 100% /snap/snapd/12883
/dev/sda1       vfat       523248        4   523244    1% /boot/efi
tmpfs           tmpfs      356212        48   356164    1% /run/user/1000
/dev/loop10     squashfs   33152       33152        0 100% /snap/snapd/13170
/dev/loop9      squashfs    128         128        0 100% /snap/bare/5
/dev/loop11     squashfs   66816       66816        0 100% /snap/gtk-common-theme
s/1519

```

alen@alen:~\$ cat > prgm2.sh

#!/bin/bash

echo "\*\*\*\*\*"

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

echo "\*\*\*\*\*"

cat /etc/os-release

echo

echo "\*\*\*\*\*"

echo "All available shell is: "

echo "\*\*\*\*\*"

cat /etc/shells

echo

echo "\*\*\*\*\*"

echo "file system is: "

echo "\*\*\*\*\*"

df -T

alen@alen:~\$ bash prgm2.sh

\*\*\*\*\*

OS and version, release number, kernel version is:

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NAME="Ubuntu"  
VERSION="20.04.3 LTS (Focal Fossa)"  
ID=ubuntu  
ID\_LIKE=debian  
PRETTY\_NAME="Ubuntu 20.04.3 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 shell is:

\*\*\*\*\*

# /etc/shells: valid login shells

/bin/sh  
/bin/bash  
/usr/bin/bash  
/bin/rbash  
/usr/bin/rbash  
/bin/dash  
/usr/bin/dash

\*\*\*\*\*

file system is:

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Filesystem	Type	1K-blocks	Used	Available	Use%	Mounted on
udev	devtmpfs	1751444	0	1751444	0%	/dev
tmpfs	tmpfs	356216	1392	354824	1%	/run
/dev/sda5	ext4	102919080	9900568	87747472	11%	/
tmpfs	tmpfs	1781060	0	1781060	0%	/dev/shm
tmpfs	tmpfs	5120	4	5116	1%	/run/lock
tmpfs	tmpfs	1781060	0	1781060	0%	/sys/fs/cgroup
/dev/loop0	squashfs	56832	56832	0	100%	/snap/core18/2066
/dev/loop2	squashfs	224256	224256	0	100%	/snap/gnome-3-34-1804/66
/dev/loop1	squashfs	56832	56832	0	100%	/snap/core18/2128
/dev/loop5	squashfs	52224	52224	0	100%	/snap/snap-store/547
/dev/loop4	squashfs	224256	224256	0	100%	/snap/gnome-3-34-1804/72
/dev/loop3	squashfs	66688	66688	0	100%	/snap/gtk-common-themes/1515
/dev/loop6	squashfs	52224	52224	0	100%	/snap/snap-store/542
/dev/loop8	squashfs	33152	33152	0	100%	/snap/snapd/12883

/dev/sda1	vfat	523248	4	523244	1%	/boot/efi
tmpfs	tmpfs	356212	48	356164	1%	/run/user/1000
/dev/loop10	squashfs	33152	33152	0	100%	/snap/snapd/13170
/dev/loop9	squashfs	128	128	0	100%	/snap/bare/5
/dev/loop11	squashfs	66816	66816	0	100%	/snap/gtk-common-themes/1519