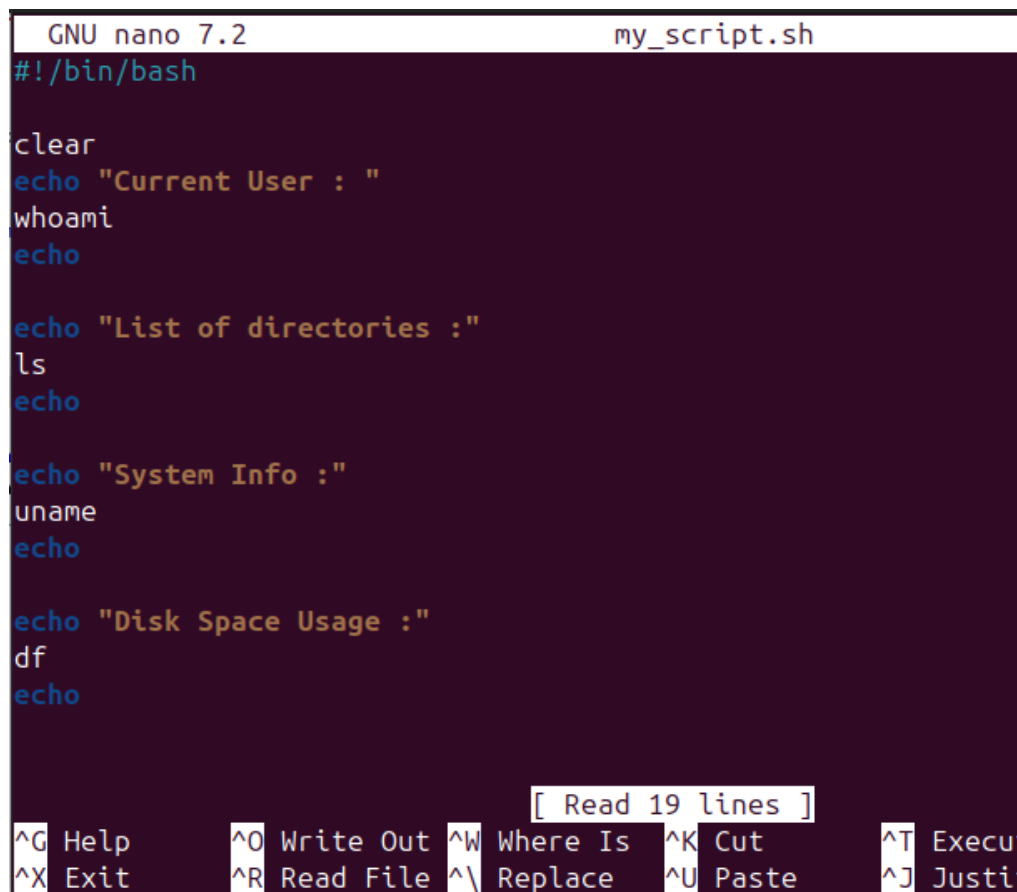


## OS LAB 4

**Question 1.** To study and implement shell programs in Linux.

```
mca@mca-HP-ProOne-440-23-8-inch-G9-All-in-One-Desktop-PC:~$ touch my_script.sh  
mca@mca-HP-ProOne-440-23-8-inch-G9-All-in-One-Desktop-PC:~$ nano my_script.sh
```

FIGURE 1. Creating and editing the shell file



```
GNU nano 7.2 my_script.sh  
#!/bin/bash  
  
clear  
echo "Current User : "  
whoami  
echo  
  
echo "List of directories :"  
ls  
echo  
  
echo "System Info :"  
uname  
echo  
  
echo "Disk Space Usage :"  
df  
echo
```

[ Read 19 lines ]

^G Help	^O Write Out	^W Where Is	^K Cut	^T Execu
^X Exit	^R Read File	^\ Replace	^U Paste	^J Justi

FIGURE 2. Content inside the shell file

We execute the file using the command : `sh my_script.sh`

```

Current User :
mca

List of directories :
Android
android-studio
AndroidStudioProjects
atharva
Desktop
Documents
Downloads
express-app
google-chrome-stable_current_amd64.deb
malloc-code
malloc-code.zip
Music
my_script.sh
Pictures
Public
SAurabh
snap
spark-3.5.3-bin-hadoop3.tgz.sha512
spark-3.5.3-bin-hadoop3.tgz.sha512.1
Templates
Videos

System Info :
Linux

Disk Space Usage :

```

Filesystem	1K-blocks	Used	Available	Use%	Mounted on
tmpfs	779236	2368	776868	1%	/run
/dev/nvme0n1p2	243937628	39380804	192092648	18%	/
tmpfs	3896180	56840	3839340	2%	/dev/shm
tmpfs	5120	8	5112	1%	/run/lock
efivarfs	246	145	97	60%	/sys/firmware/efi/efivars
/dev/nvme0n1p1	1098632	6288	1092344	1%	/boot/efi
tmpfs	779236	124	779112	1%	/run/user/1000

FIGURE 3. Output