

NSA LAB

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

```
GNU nano 4.8                               login.sh
#!/bin/bash
echo "Currently logged user and his login name: $(whoami)";
echo "Current shell: $SHELL";
echo "Home Directory: $HOME"
    cd ~;
echo "Your OS Type: $OSTYPE";
echo "Present working directory: $(pwd)";
```

```
megha@megha-VirtualBox:~/Shell$ nano login.sh
megha@megha-VirtualBox:~/Shell$ bash login.sh
Currently logged user and his login name: megha
Current shell: /bin/bash
Home Directory: /home/megha
Your OS Type: linux-gnu
Present working directory: /home/megha
megha@megha-VirtualBox:~/Shell$
```

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

```
GNU nano 4.8 config.sh
#!/bin/bash
echo "1.Display OS version, release number,kernal version"
echo "2.All available shells"
echo "3.File System(Mounted)"
echo "4.Quit"
until [ $choice -eq 4 ]
do
read -p "Enter your choice: " choice
case $choice in
1)echo -e "\nOS version : $(cat /etc/os-release | grep VERSION=)\nRelease number: $(uname -r) \nKernel version: $(uname -v)";;
2)cat /etc/shells;;
3)ls /media/megha;;
4)echo "Quit";;
*)echo "Invalid Choice";;
esac
done

megha@megha-VirtualBox:~/Shell$ nano config.sh
megha@megha-VirtualBox:~/Shell$ bash config.sh
1.Display OS version, release number,kernal version
2.All available shells
3.File System(Mounted)
4.Quit
config.sh: line 6: [: -eq: unary operator expected
Enter your choice: 1

OS version : VERSION="20.04.2 LTS (Focal Fossa)"
Release number: 5.11.0-36-generic
Kernal version: #40~20.04.1-Ubuntu SMP Sat Sep 18 02:14:19 UTC 2021
Enter your choice: 2
# /etc/shells: valid login shells
/bin/sh
/bin/bash
/usr/bin/bash
/bin/rbash
/usr/bin/rbash
/bin/dash
/usr/bin/dash
Enter your choice: 4
Quit
megha@megha-VirtualBox:~/Shell$
```
