

```
dbda@iacsd:~$ ./first.sh
dbda
/home/dbda
/dev/pts/0
total 44
drwxr-xr-x 2 dbda dbda 4096 Mar  6 21:09 Desktop
drwxr-xr-x 2 dbda dbda 4096 Mar  6 21:09 Documents
drwxr-xr-x 2 dbda dbda 4096 Mar  6 21:09 Downloads
-rwxrwxrwx 1 dbda dbda  34 Mar 15 16:32 first.sh
drwxr-xr-x 2 dbda dbda 4096 Mar  6 21:09 Music
drwxr-xr-x 2 dbda dbda 4096 Mar  6 21:09 Pictures
drwxr-xr-x 2 dbda dbda 4096 Mar  6 21:09 Public
drwxrwxr-x 2 dbda dbda 4096 Mar 14 15:47 script
drwx----- 4 dbda dbda 4096 Mar 14 15:48 snap
drwxr-xr-x 2 dbda dbda 4096 Mar  6 21:09 Templates
drwxr-xr-x 2 dbda dbda 4096 Mar  6 21:09 Videos
dbda@iacsd:~$
```

Activate Windows

Go to Settings to activate Windows.

```
number 1 :1
number 2 :2
number 3 :-3
number 4 :0
number 5 :9
number 6 :0
number 7 :-5
number 8 :6
number 9 :10
number 10 :8
total positive no :6
total negative no :2
Total zeros :2
dbda@iacsd:~$ cat numbers.sh
#!/bin/bash
num=0
count=0
neg=0
zero=0

for((i=1;i<=10;i++))
do
    read -p "number $i : " num

    if [ $num -gt 0 ]
    then
        ((count++))
    elif [ $num -lt 0 ]
    then
        ((neg++))
    else
        ((zero++))
    fi
done
echo "total positive no :"$count
echo "total negative no :"$neg
echo "Total zeros :"$zero
dbda@iacsd:~$
```

Activate Windows

Go to Settings to activate Windows.

```
dbda@iacsd:~$ nano max.sh
dbda@iacsd:~$ ./max.sh
enter number 1: 10
Enter 1 number: 30
Enter 2 number: 50
Enter 3 number: 60
Enter 4 number: 70
Enter 5 number: 10
The Max Number is : 70
The Min Number is : 10
```

```
GNU nano 6.2 max.sh
#!/bin/bash

read -p "enter number 1: " num1
max=$num1
min=$num1
for i in {1..5}
do
    read -p "Enter $i number: " num
    if [ $num -gt $max ]
    then
        max=$num

    elif [ $num -lt $min ]
    then
        min=$num
    fi
done
echo "The Max Number is :" $max
echo "The Min Number is :" $min
```

```
dbda@iacsd:~$ ./max.sh
Enter the string :mom
String is palindrome
dbda@iacsd:~$ ./max.sh
Enter the string :121
String is palindrome
dbda@iacsd:~$ ./max.sh
Enter the string :hii
String is not palindrome
dbda@iacsd:~$ cat max.sh
#!/bin/bash
read -p "Enter the string :" string

if [[ $string == "$(rev <<< "$string")" ]]
then
    echo "String is palindrome"
else
    echo "String is not palindrome"
fi
dbda@iacsd:~$
```

```
dbda@iacsd: ~  
dbda@iacsd:~$ ./max.sh  
Enter the number :123  
  
The sum of digits 123 : 6  
dbda@iacsd:~$ cat max.sh  
#!/bin/bash  
read -p "Enter the number :" num  
echo "_____"  
var=$num  
sum=0  
  
while [ $num -gt 0 ]  
do  
    k=$(( $num % 10 ))  
    num=$(( $num / 10 ))  
    s=$(( $s + $k ))  
done  
echo "The sum of digits $var : " $s  
dbda@iacsd:~$
```

```
dbda@iacsd: ~
GNU nano 6.2 user.sh
#!/bin/bash

echo "1.Create a user 2.Delete a user 3.Create a group 4.delete a group"
read -p "Enter a choice : " a

case $a in
    1)
        echo "Create a user"
        sudo adduser one
        ;;
    2)
        echo "Delete a user"
        sudo deluser one
        ;;
    3)
        echo "Create a group"
        sudo addgroup two
        ;;
    4)
        echo "Delete a group"
```

```
dbda@iacsd: ~  
dbda@iacsd:~$ ./user.sh  
1.Create a user 2.Delete a user 3.Create a group 4.delete a group  
Enter a choice :1  
Create a user  
Adding user `one' ...  
Adding new group `one' (1006) ...  
Adding new user `one' (1019) with group `one' ...  
The home directory `/home/one' already exists. Not copying from `/etc/skel'.  
New password:  
BAD PASSWORD: The password is a palindrome  
Retype new password:  
passwd: password updated successfully  
Changing the user information for one  
Enter the new value, or press ENTER for the default  
    Full Name []:  
    Room Number []:  
    Work Phone []:  
    Home Phone []: \  
    Other []:  
Is the information correct? [Y/n] y  
dbda@iacsd:~$ ./user.sh  
1.Create a user 2.Delete a user 3.Create a group 4.delete a group  
Enter a choice :2  
Delete a user
```

```
dbda@iacsd:~$ ./user.sh  
1.Create a user 2.Delete a user 3.Create a group 4.delete a group  
Enter a choice :2  
Delete a user  
Removing user `one' ...  
Warning: group `one' has no more members.  
Done.  
dbda@iacsd:~$ ./user.sh  
1.Create a user 2.Delete a user 3.Create a group 4.delete a group  
Enter a choice :3  
Create a group  
Adding group `two' (GID 1006) ...  
Done.  
dbda@iacsd:~$ ./user.sh  
1.Create a user 2.Delete a user 3.Create a group 4.delete a group  
Enter a choice :4  
Delete a group  
Removing group `two' ...  
Done.
```