Linux Assignments

Submitted by

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Linux Assignments

1) Create 2 users & add them in group sales. Give group ownership to folder /home/consultants. Apply 2774 permission & o+t sticky bit. Test the permissions.

Output:

2) Modify above user :
Uid = 2000
Shell = /sbin/nologin
Comment = Sales
output:

3) Add 5GB HDD to VM, Format it with ext4 & mount on /data Mount point.

4) Add network card & configure static networking   Ip address: 192.168.10.1/24,Default Gateway : 192.168.10.50DNS : 192.168.10.51

5) Create a process & practice PS & Top Utility

6) Create jobs Practice Kill , fg,bg, SIGTERM,SIGSTOP,SIGCONT commands
CREATE a process:

7) Practice Nice & Renice commands

8) Copy files from /home/consultants to /tmp

9) Create a Nesting Directory structure – practice touch,rm,rmdir,mv,cat,ls,head,tail commands
    output:

10)   Write shell scripts to create 10 users listed in userlist file with shell as /bin/false

11)   Write a Bash script to take backup of /etc/passwd file
         program:
#!/bin/bash echo Enter filename where to create backup:
read file if [-f $file];
then cat /etc/passwd > "$file"
else tail -n5 /etc/paswd >> "$file" fi
output:

12)   Write a bash scripts to print numbers from 1 to 100

         program:
             for ((i=1; i<=100; i++))
           do
               echo -n "$i "
         done
               echo ""
output:

13)   Write a bash script to print odd number
         program:
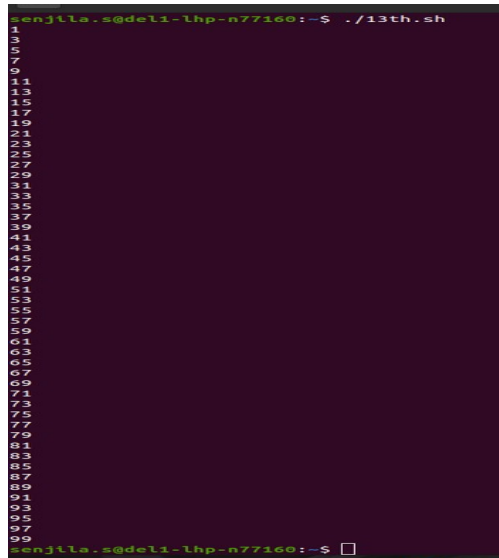#!/bin/bash
counter=1
while [$counter -le 100]

```
do
      if [ $(($counter % 2)) != 0 ]
      then
            echo $counter
      fi
((counter++))
done
```
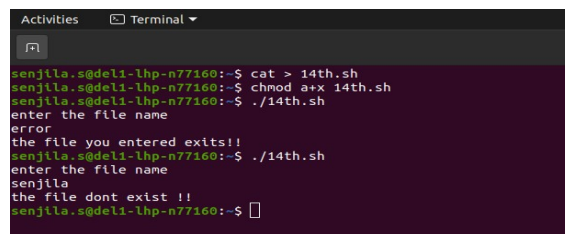**output:**

14)   Write a bash script to check whether file Exists or not in current directory
program:
```
echo enter  the file name
read filename
if [ -f "$filename" ]
then
    echo the file you entered exits!!
else
    echo the file dont exist !!
fi
```

15)

Write a bash script to check whether number is less than, equal to or greater that 10

```
 4
 5   if [ $n -gt 10 ]
 6   then
 7       echo "greater"
 8
 9   elif [ $n -lt 10 ]
10   then
11       echo "less than"
12
13   else
14       echo "equal"
15   fi
```

```
  56
greater


...Program finished with exit code 0
Press ENTER to exit console.
```