

Assignment 2

Aim: Study of Important Linux Commands

Code:

Main.sh

```
start=0
while [ $start -ne 1 ] #menu driven while loop
do
echo "*****MENU*****"
echo " 1.Add      "      #add.sh program
echo " 2.List   "      "  #display data
echo " 3.Delete  "      "  #delete particular data
echo " 4.Search  "      "  #search for element
echo " 5.Exit    "      "  # exit

read choice

case "$choice" in      #Switch case
1) sh add.sh ;;
2) sh display.sh;;
3) sh delete.sh;;
4) sh search.sh;;
5) start=1;;

esac
done
```

Delete.sh

```
cat data.txt    #show data set
echo Enter line no you want to delete #display message
read line      #read line
sed -i "${line}d" data.txt    #delete that line using sed command
cat data.txt    #display updated data
exit 0          #exit
```

Display.sh

```
cat data.txt    #show data.txt on terminal
exit 0
```

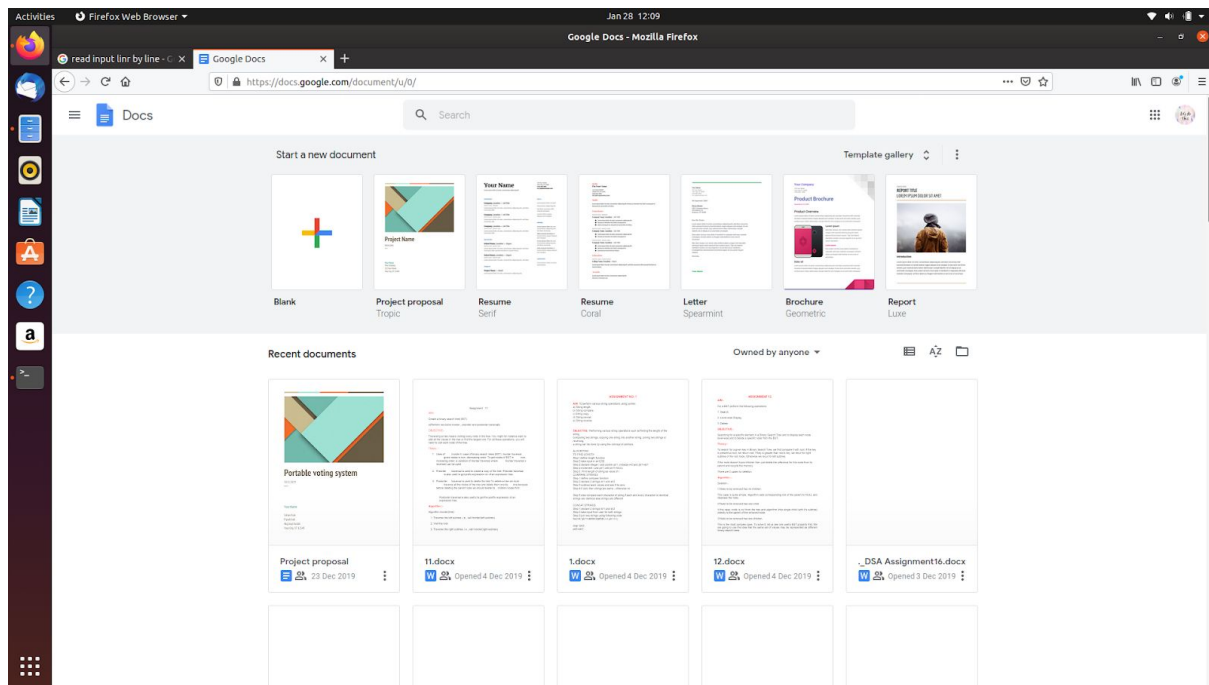
Search.sh

```
echo Enter Name of Person you want to search #enter name of person
read input #read input
grep -w $input data.txt #display specific line
exit 0
```

Add.sh

```
echo Enter your name #Display message to take input
read name #take input name from user
echo enter your phone no #display phone no message
read phone # take phone no as input
echo Your_Address # display message to take address
read address # read address from user

echo "$name $phone $address">>data.txt #add data to file
exit 0
```



```
root@ideapad:/home/piyush/osl# ./main.sh
*****MENU*****
1.Add
2.List
3.Delete
4.Search
5.Exit
1
Enter your name
Piyush
enter your phone no
121021021
Your_Address
ram nagar
*****MENU*****
1.Add
2.List
3.Delete
4.Search
5.Exit
2
PIYUSH 997874585 amrut nivas mekhar
PIYUSH 963258741 vitthal nagar mekhar
aishwarya 83906064445 kthd pune
gaurav 741236985 paud road
Piyush 121021021 ram nagar
*****MENU*****
```

```
Activities Terminal Jan 28 12:41 root@ideapad: /home/piyush/osl
*****MENU*****
1.Add
2.List
3.Delete
4.Search
5.Exit
3
PIYUSH 997874585 amrut nivas mehkar
PIYUSH 963258741 vitthal nagar mehkar
aishwarya 83906064445 kthd pune
? gaurav 741236985 paud road
a Piyush 121021021 ram nagar
Enter line no you want to delete
gaurav
sed: -e expression #1, char 2: extra characters after command
PIYUSH 997874585 amrut nivas mehkar
PIYUSH 963258741 vitthal nagar mehkar
aishwarya 83906064445 kthd pune
gaurav 741236985 paud road
Piyush 121021021 ram nagar
*****MENU*****
1.Add
2.List
3.Delete
4.Search
5.Exit
3
PIYUSH 997874585 amrut nivas mehkar
```

```
Activities Terminal Jan 28 12:41 root@ideapad: /home/piyush/osl
3
PIYUSH 997874585 amrut nivas mehkar
PIYUSH 963258741 vitthal nagar mehkar
aishwarya 83906064445 kthd pune
gaurav 741236985 paud road
Piyush 121021021 ram nagar
Enter line no you want to delete
4
PIYUSH 997874585 amrut nivas mehkar
PIYUSH 963258741 vitthal nagar mehkar
aishwarya 83906064445 kthd pune
Piyush 121021021 ram nagar
a *****MENU*****
1.Add
2.List
3.Delete
4.Search
5.Exit
4
Enter Name of Person you want to search
PIYUSH
PIYUSH 997874585 amrut nivas mehkar
PIYUSH 963258741 vitthal nagar mehkar
*****MENU*****
1.Add
2.List
3.Delete
4.Search
```

```
Activities Terminal Jan 28 12:41 root@ideapad: /home/piyush/osl
gaurav 741236985 paud road
Piyush 121021021 ram nagar
Enter line no you want to delete
4
PIYUSH 997874585 amrut nivas mehkar
PIYUSH 963258741 vitthal nagar mehkar
aishwarya 83906064445 kthd pune
Piyush 121021021 ram nagar
a *****MENU*****
1.Add
2.List
3.Delete
4.Search
5.Exit
4
Enter Name of Person you want to search
PIYUSH
PIYUSH 997874585 amrut nivas mehkar
PIYUSH 963258741 vitthal nagar mehkar
*****MENU*****
1.Add
2.List
3.Delete
4.Search
5.Exit
5
root@ideapad: /home/piyush/osl#
```