**Name :** Gayatri Sakure

**Roll no** : 33268

**Batch :** N-10

**OSL Assignment1b**

**Code :**

#!/bin/bash

create()

{

if [ -e addressbook.txt ]

then

echo "ADDRESSBOOK ALREADY EXISTS!! \n"

else

touch addressbook.txt

echo "NEW ADDRESSBOOK CREATED SUCCESSFULLY !!!"

fi

}

insert()

{

echo -e "Enter First Name : "

read fname

echo -e "Enter Last Name : "

read lname

echo -e "Enter Email-ID : "

read email

echo -e "Enter mobile no. : "

read mno

echo -e "Enter the address : "

read addr

echo "$fname $lname $email $mno $addr" >> addressbook.txt

echo -e "RECORD INSERTED SUCCESSFULLY !"

}

view()

{

if [ ! -s addressbook.txt ];

then

echo -e "THE ADDRESSBOOK IS EMPTY !"

else

sed -n 'p' addressbook.txt

fi

}

delete()

{

if [ ! -s addressbook.txt ];

then

echo -e "ADDRESSBOOK EMPTY !"

else

echo -e "For deleting the record, Enter First Name : "

read firstname

grep -n "$firstname" addressbook.txt

echo -e "Enter the line number to delete : "

read lineno

for line in `grep -n "$firstname" addressbook.txt`

do

number=`echo $line|cut -c1`

if [ "$number" == "$lineno" ];

then

sed -i -e "${lineno}d" addressbook.txt

echo -e "RECORD DELETED SUCCESSFULLY !!"

fi

done

fi

}

modify()

{

if [ ! -s addressbook.txt ];

then

echo -e "ADDRESSBOOK EMPTY !! \n"

else

echo -e "Enter the First name of the person : "

read name

grep -n "$name" addressbook.txt

echo -e "Enter the line number of record to be edited : "

read lineno

for line in `grep -n "$name" addressbook.txt`

do

number=`echo "$line"|cut -c1`

if [ "$number" == "$lineno" ]

then

echo -e "Enter new details : "

insert

sed -i -e "${lineno}s/.\*/$insert/" addressbook.txt

echo -e "MODIFIED SUCCESSFULLY !!"

fi

done

fi

}

search()

{

book="addressbook.txt"

echo -n "Enter First name to be searched : "

read find

echo "Record found"

grep -i $find $book

}

choice=1;

while [ $choice -lt 7 ];

do

echo "1) Create Addressbook"

echo "2) View Addressbook"

echo "3) Insert Records"

echo "4) Delete Records"

echo "5) Modify Records"

echo "6) Search Records"

echo "7) Exit"

read -p "Enter your choice : " choice

case $choice in

1)create;;

2)view;;

3)insert;;

4)delete;;

5)modify;;

6)search;;

7)echo "ADDRESSBOOK EXITED !!"

esac

done

**Output**

osboxes@osboxes:~/33268\_OS/Assign1b$ ./assign2.sh

1) Create Addressbook

2) View Addressbook

3) Insert Records

4) Delete Records

5) Modify Records

6) Search Records

7) Exit

Enter your choice : 1

NEW ADDRESSBOOK CREATED SUCCESSFULLY!!!!!

1) Create Addressbook

2) View Addressbook

3) Insert Records

4) Delete Records

5) Modify Records

6) Search Records

7) Exit

Enter your choice : 2

THE ADDRESSBOOK IS EMPTY !

1) Create Addressbook

2) View Addressbook

3) Insert Records

4) Delete Records

5) Modify Records

6) Search Records

7) Exit

Enter your choice : 3

Enter First Name :

Gayatri

Enter Last Name :

Sakure

Enter Email-ID :

gs@gmail.com

Enter mobile no. :

9087654321

Enter the address :

Nagpur

RECORD INSERTED SUCCESSFULLY !

1) Create Addressbook

2) View Addressbook

3) Insert Records

4) Delete Records

5) Modify Records

6) Search Records

7) Exit

Enter your choice : 3

Enter First Name :

Tanvi

Enter Last Name :

T.

Enter Email-ID :

tt@gamil.com

Enter mobile no. :

9876543210

Enter the address :

Pune

RECORD INSERTED SUCCESSFULLY !

1) Create Addressbook

2) View Addressbook

3) Insert Records

4) Delete Records

5) Modify Records

6) Search Records

7) Exit

Enter your choice : 3

Enter First Name :

Yash

Enter Last Name :

S.

Enter Email-ID :

ys@gmail.com

Enter mobile no. :

9182736450

Enter the address :

Pune

RECORD INSERTED SUCCESSFULLY !

1) Create Addressbook

2) View Addressbook

3) Insert Records

4) Delete Records

5) Modify Records

6) Search Records

7) Exit

Enter your choice : 3

Enter First Name :

Shreya

Enter Last Name :

S.

Enter Email-ID :

s.s@gmail.com

Enter mobile no. :

9012783465

Enter the address :

pune

RECORD INSERTED SUCCESSFULLY !

1) Create Addressbook

2) View Addressbook

3) Insert Records

4) Delete Records

5) Modify Records

6) Search Records

7) Exit

Enter your choice : 3

Enter First Name :

Titiksha

Enter Last Name :

Shahare

Enter Email-ID :

ts@gmail.com

Enter mobile no. :

91233456780

Enter the address :

Delhi

RECORD INSERTED SUCCESSFULLY !

1) Create Addressbook

2) View Addressbook

3) Insert Records

4) Delete Records

5) Modify Records

6) Search Records

7) Exit

Enter your choice : 3

Enter First Name :

Nupur

Enter Last Name :

S.

Enter Email-ID :

ns@gmail.com

Enter mobile no. :

7654321890

Enter the address :

Mumbai

RECORD INSERTED SUCCESSFULLY !

1) Create Addressbook

2) View Addressbook

3) Insert Records

4) Delete Records

5) Modify Records

6) Search Records

7) Exit

Enter your choice : 3

Enter First Name :

Harish

Enter Last Name :

Verma

Enter Email-ID :

hv@gmail.com

Enter mobile no. :

6578493021

Enter the address :

Bhopal

RECORD INSERTED SUCCESSFULLY !

1) Create Addressbook

2) View Addressbook

3) Insert Records

4) Delete Records

5) Modify Records

6) Search Records

7) Exit

Enter your choice : 2

Gayatri Sakure gs@gmail.com 9087654321 Nagpur

Tanvi T. tt@gamil.com 9876543210 Pune

Yash S. ys@gmail.com 9182736450 Pune

Shreya S. s.s@gmail.com 9012783465 pune

Titiksha Shahare ts@gmail.com 91233456780 Delhi

Nupur S. ns@gmail.com 7654321890 Mumbai

Harish Verma hv@gmail.com 6578493021 Bhopal

1) Create Addressbook

2) View Addressbook

3) Insert Records

4) Delete Records

5) Modify Records

6) Search Records

7) Exit

Enter your choice : 4

For deleting the record, Enter First Name :

Titiksha

5:Titiksha Shahare ts@gmail.com 91233456780 Delhi

Enter the line number to delete :

5

RECORD DELETED SUCCESSFULLY !!

1) Create Addressbook

2) View Addressbook

3) Insert Records

4) Delete Records

5) Modify Records

6) Search Records

7) Exit

Enter your choice : 2

Gayatri Sakure gs@gmail.com 9087654321 Nagpur

Tanvi T. tt@gamil.com 9876543210 Pune

Yash S. ys@gmail.com 9182736450 Pune

Shreya S. s.s@gmail.com 9012783465 pune

Nupur S. ns@gmail.com 7654321890 Mumbai

Harish Verma hv@gmail.com 6578493021 Bhopal

1) Create Addressbook

2) View Addressbook

3) Insert Records

4) Delete Records

5) Modify Records

6) Search Records

7) Exit

Enter your choice : 5

Enter the First name of the person :

Gayatri

1:Gayatri Sakure gs@gmail.com 9087654321 Nagpur

Enter the line number of record to be edited :

1

Enter new details :

Enter First Name :

Gayatri

Enter Last Name :

S.

Enter Email-ID :

g.s@gmail.com

Enter mobile no. :

9087654321

Enter the address :

Pune

RECORD INSERTED SUCCESSFULLY !

MODIFIED SUCCESSFULLY !!

1) Create Addressbook

2) View Addressbook

3) Insert Records

4) Delete Records

5) Modify Records

6) Search Records

7) Exit

Enter your choice : 6

Enter First name to be searched : Nupur

Record found

Nupur S. ns@gmail.com 7654321890 Mumbai

1) Create Addressbook

2) View Addressbook

3) Insert Records

4) Delete Records

5) Modify Records

6) Search Records

7) Exit

Enter your choice : 7

ADDRESSBOOK EXITED !!