

Program:

```
#!/bin/bash
opt=1
while [ "$opt" -lt 6 ]
do
    printf "1. Create Address Book\n2. View Records\n3 .Insert new Record\n4. Delete a Record\n5. Modify a Record\n6. Exit\n\n"
    read opt
    case $opt in
1)
        printf "Enter filename : "
        read fileName
        if [ -e $fileName ] ; then
            rm $fileName
        fi
        cont=1
        printf "NAME\t\tNUMBER\t\t\tADDRESS\n=====\n" | cat >> $fileName
        while [ "$cont" -gt 0 ]
        do
            printf "\nEnter Name : "
            read name
            printf "Enter Phone Number of $name : "
            read number
            printf "Enter Address of $name : "
            read address
            printf "$name\t$number\t\t$address\n" | cat >> $fileName
            printf "Enter 0 to Stop, 1 to Enter next : "
            read cont
        done
        ;;
2)
        cat $fileName
        ;;
3)
        printf "\nEnter Name : "
        read name
        printf "Enter Phone Number of $name"
        read number
        printf "Enter Address of $name"
        read address
        printf "$name\t$number\t\t$address\n" | cat >> $fileName
        ;;
4)
        printf "Delete record\nEnter Name/Phone Number"
        read pattern
        temp="temp"
```

```

grep -v $pattern $fileName | cat >> $temp
rm $fileName
cat $temp | cat >> $fileName
rm $temp
;;
5)
printf "Modify record\nEnter Name/Phone Number"
read pattern
temp="temp"
grep -v $pattern $fileName | cat >> $temp
rm $fileName
cat $temp | cat >> $fileName
rm $temp
printf "Enter Name"
read name
printf "Enter Phone Number of $name"
read number
printf "Enter Address of $name"
read address
echo -e "$name\t$number\t\t$address\n" | cat >> $fileName
;;
esac
done

```

Output:

a.) create and insert:

```

i-raj-shinobi-47@lirajshinobi47-Lenovo-G50-80: ~/Desktop/OSL Practicals/Assignment 1
i-raj-shinobi-47@lirajshinobi47-Lenovo-G50-80:~/Desktop/OSL Practicals/Assignment 1$ ./assignment_1b.sh
1. Create Address Book
2. View Records
3. Insert new Record
4. Delete a Record
5. Modify a Record
6. Exit
1
Enter filename : sample

Enter Name : Raj
Enter Phone Number of Raj : 8766910971
Enter Address of Raj : Pune
Enter 0 to Stop, 1 to Enter next :1

Enter Name : Siddhesh
Enter Phone Number of Siddhesh : 1234567898
Enter Address of Siddhesh : Amravati
Enter 0 to Stop, 1 to Enter next :0
1. Create Address Book
2. View Records
3. Insert new Record
4. Delete a Record
5. Modify a Record
6. Exit
2
NAME                NUMBER                ADDRESS
=====
Raj      8766910971      Pune
Siddhesh 1234567898      Amravati

```

b.) delete a record:

```
1. Create Address Book
2. View Records
3. Insert new Record
4. Delete a Record
5. Modify a Record
6. Exit

4
Delete record
Enter Name/Phone Number1234567898
1. Create Address Book
2. View Records
3. Insert new Record
4. Delete a Record
5. Modify a Record
6. Exit

2
NAME                NUMBER                ADDRESS
=====
Raj      8766910971          Pune
Ankit    9876543218          Arvi
```

c.) modify a record:

```
1. Create Address Book
2. View Records
3. Insert new Record
4. Delete a Record
5. Modify a Record
6. Exit

5
Modify record
Enter Name/Phone Number8766910971
Enter NameRaj Gandole
Enter Phone Number of Raj Gandole8766910971
Enter Address of Raj GandolePune
1. Create Address Book
2. View Records
3. Insert new Record
4. Delete a Record
5. Modify a Record
6. Exit

2
NAME                NUMBER                ADDRESS
=====
Ankit    9876543218          Arvi
Raj Gandole  8766910971          Pune

1. Create Address Book
2. View Records
3. Insert new Record
4. Delete a Record
5. Modify a Record
6. Exit
```

```
i-raj-shinobi-47@irajshinobi47-Lenovo-G50-80:~/Desktop/OSL Practicals/Assignment 1$
```