

Experiment 2

Address Book

```
opt=1
while [ "$opt" -lt 6 ]
do

    echo -e "Choose one of the Following\n1. Create a New Address Book\n2. View Records\n3. Insert new Record\n4. Delete a Record\n5. Modify a Record\n6. Exit"

    read opt
    case $opt in

1)
        echo "Enter filename"
        read fileName
        if [ -e $fileName ] ; then
            rm $fileName
        fi
        cont=1
        echo "NAME\tNUMBER\t\tADDRESS\n=====\\n" | cat >> $fileName
        while [ "$cont" -gt 0 ]
        do
            echo "\\nEnter Name"
            read name
            echo "Enter Phone Number of $name"
            read number
            echo "Enter Address of $name"
            read address
            echo "$name\\t$number\\t\\t$address" | cat >> $fileName
            echo "Enter 0 to Stop, 1 to Enter next"
            read cont
        done
        ;;

2)
        cat $fileName
        ;;

3)
        echo "\\nEnter Name"
        read name
        echo "Enter Phone Number of $name"
        read number
        echo "Enter Address of $name"
        read address
        echo "$name\\t$number\\t\\t$address" | cat >> $fileName
        ;;

4)
        echo "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)
    echo "Modify record\nEnter Name/Phone Number"
    read pattern
    temp="temp"
    grep -v $pattern $fileName | cat >> $temp
    rm $fileName
    cat $temp | cat >> $fileName
    rm $temp
    echo "Enter Name"
    read name
    echo "Enter Phone Number of $name"
    read number
    echo "Enter Address of $name"
    read address
    echo -e "$name\t$number\t$address" | cat >> $fileName
    ;;
esac
done

```

Output:

```

sh address.sh
-e Choose one of the Following
1. Create a New Address Book
2. View Records
3. Insert new Record
4. Delete a Record
5. Modify a Record
6. Exit
1
Enter filename
Record

Enter Name
Ram
Enter Phone Number of Ram
9582656
Enter Address of Ram
Pune
Enter 0 to Stop, 1 to Enter next
1

Enter Name
Raj
Enter Phone Number of Raj

```

8945697

Enter Address of Raj

Nashik

Enter 0 to Stop, 1 to Enter next

0

-e Choose one of the Following

1. Create a New Address Book

2. View Records

3. Insert new Record

4. Delete a Record

5. Modify a Record

6. Exit

2

NAME	NUMBER	ADDRESS
------	--------	---------

=====

Ram	9582656	Pune
-----	---------	------

Raj	8945697	Nashik
-----	---------	--------

-e Choose one of the Following

1. Create a New Address Book

2. View Records

3. Insert new Record

4. Delete a Record

5. Modify a Record

6. Exit

3

Enter Name

Kaif

Enter Phone Number of Kaif

89956785221

Enter Address of Kaif

Junnar

-e Choose one of the Following

1. Create a New Address Book

2. View Records

3. Insert new Record

4. Delete a Record

5. Modify a Record

6. Exit

2

NAME	NUMBER	ADDRESS
------	--------	---------

=====

Ram	9582656	Pune
-----	---------	------

Raj	8945697	Nashik
-----	---------	--------

Kaif	89956785221	Junnar
------	-------------	--------

-e Choose one of the Following

1. Create a New 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 Number

Ram

-e Choose one of the Following

1. Create a New Address Book

2. View Records

3. Insert new Record

4. Delete a Record

5. Modify a Record

6. Exit

2

NAME	NUMBER	ADDRESS
------	--------	---------

=====

Raj	8945697	Nashik
-----	---------	--------

Kaif	89956785221	Junnar
------	-------------	--------

-e Choose one of the Following

1. Create a New Address Book

2. View Records

3. Insert new Record

4. Delete a Record

5. Modify a Record

6. Exit

6