

Program :

```
#!/bin/bash

while true
do
    echo "-----"
    echo "1. Create Address Book"
    echo "2. Insert record in Address Book"
    echo "3. Display Address Book"
    echo "4. Delete record from Address Book"
    echo "5. Modify record in Address Book"
    echo "6. Search record in Address Book"
    echo "7. Exit"
    echo "Enter your choice : "
    read choice
    case $choice in

1) echo "-----"
    echo "Create address book"
    echo "Enter the name of the address book:"
    read fname

    if [ -e $fname ]
    then
        echo "File already exist!"
    else
        touch $fname
        echo "File Created"
    fi
;;

2) echo "-----"
    echo "Insert record"
    echo "Enter name:"
    read name
```

```
echo "Enter class:"
read class
echo "Enter roll number:"
read roll
echo "Enter address:"
read addr
echo "$name $class $roll $addr">> $fname
;;
```

```
3)echo "-----"
echo "Display records in address book"
echo "-----Address Book-----"
cat $fname;;
```

```
4)echo "-----"
echo "Delete Record"
echo "Please enter the name of the record to be deleted"
read dname
grep -v "^$dname" $fname>>newf.txt
cp newf.txt $fname
rm newf.txt
echo "-----"
echo "-----Address Book-----"
echo "-----"
cat $fname
echo "-----";;
```

```
5)echo "-----"
echo "Modify Record"
echo "Please enter the name of the record to be modified"
read mod
grep -i "^$mod" $fname
grep -v "^$mod" $fname>>nfile.txt
cp nfile.txt $fname
rm nfile.txt
```

```

echo "Enter new details of record"

echo "Enter name:"

read name

echo "Enter class:"

read class

echo "Enter roll number:"

read roll

echo "Enter address:"

read addr

echo "$name $class $roll $addr">>$fname

echo "Updated Database"

echo "-----"

cat $fname

echo "-----" ;;

```

```

6)echo "-----"

echo "Search Record"

echo "Please enter the name of the record to be searched"

read sname

echo "-----"

grep -i "^$sname" $fname

if [ $? -eq "0" ]

then

    echo "Record is present"

else

    echo "Record is not present"

fi

;;

```

```

7)exit 0;;

```

```

esac

done

```

Output :

```
Activities Terminal Sep 27 15:24 stud@stud-M5-7D48: ~/Desktop/Aditya
stud@stud-M5-7D48:~/Desktop/Aditya$ bash Ass2.sh
-----
1. Create Address Book
2. Insert record in Address Book
3. Display Address Book
4. Delete record from Address Book
5. Modify record in Address Book
6. Search record in Address Book
7. Exit
Enter your choice :
1
-----
Create address book
Enter the name of the address book:
studentdata
File Created
-----
1. Create Address Book
2. Insert record in Address Book
3. Display Address Book
4. Delete record from Address Book
5. Modify record in Address Book
6. Search record in Address Book
7. Exit
Enter your choice :
2
-----
Insert record
Enter name:
Aditya
Enter class:
TE-IT
Enter roll number:
78
Enter address:
Pune
-----
1. Create Address Book
2. Insert record in Address Book
3. Display Address Book
4. Delete record from Address Book
5. Modify record in Address Book
6. Search record in Address Book
7. Exit
Enter your choice :
3
-----
Display records in address book
----- Address Book -----
Aditya TE-IT 78 Pune
-----
1. Create Address Book
2. Insert record in Address Book
3. Display Address Book
4. Delete record from Address Book
5. Modify record in Address Book
```

```
Activities Terminal Sep 27 15:24 stud@stud-M5-7D48: ~/Desktop/Aditya
stud@stud-M5-7D48:~/Desktop/Aditya$ bash Ass2.sh
-----
4. Delete record from Address Book
5. Modify record in Address Book
6. Search record in Address Book
7. Exit
Enter your choice :
2
-----
Insert record
Enter name:
Niraj
Enter class:
TE-IT
Enter roll number:
77
Enter address:
Pune
-----
1. Create Address Book
2. Insert record in Address Book
3. Display Address Book
4. Delete record from Address Book
5. Modify record in Address Book
6. Search record in Address Book
7. Exit
Enter your choice :
2
-----
Insert record
Enter name:
Sahil
Enter class:
TE-IT
Enter roll number:
67
Enter address:
Nashik
-----
1. Create Address Book
2. Insert record in Address Book
3. Display Address Book
4. Delete record from Address Book
5. Modify record in Address Book
6. Search record in Address Book
7. Exit
Enter your choice :
2
-----
Insert record
Enter name:
Piyush
Enter class:
TE-IT
Enter roll number:
75
Enter address:
Pune
```

```
Activities Terminal Sep 27 15:25 stud@stud-MS-7D48: ~/Desktop/Aditya
Enter your choice :
4
-----
Delete Record
Please enter the name of the record to be deleted
Sahil
-----
Address Book
-----
Aditya TE-IT 70 Pune
Niraj TE-IT 77 Pune
Piyush TE-IT 71 Pune
-----
1. Create Address Book
2. Insert record in Address Book
3. Display Address Book
4. Delete record from Address Book
5. Modify record in Address Book
6. Search record in Address Book
7. Exit
Enter your choice :
5
-----
Modify Record
Please enter the name of the record to be modified
Aditya
Enter new details of record
Enter name:
Aditya Gawali
Enter class:
TE-IT
Enter roll number:
70
Enter address:
Nashik
Updated Database
-----
Niraj TE-IT 77 Pune
Piyush TE-IT 71 Pune
Aditya Gawali TE-IT 70 Nashik
-----
1. Create Address Book
2. Insert record in Address Book
3. Display Address Book
4. Delete record from Address Book
5. Modify record in Address Book
6. Search record in Address Book
7. Exit
Enter your choice :
6
-----
Search Record
Please enter the name of the record to be searched
```

```
Activities Terminal Sep 27 15:25 stud@stud-MS-7D48: ~/Desktop/Aditya
3. Display Address Book
4. Delete record from Address Book
5. Modify record in Address Book
6. Search record in Address Book
7. Exit
Enter your choice :
5
-----
Modify Record
Please enter the name of the record to be modified
Aditya
Enter new details of record
Enter name:
Aditya Gawali
Enter class:
TE-IT
Enter roll number:
70
Enter address:
Nashik
Updated Database
-----
Niraj TE-IT 77 Pune
Piyush TE-IT 71 Pune
Aditya Gawali TE-IT 70 Nashik
-----
1. Create Address Book
2. Insert record in Address Book
3. Display Address Book
4. Delete record from Address Book
5. Modify record in Address Book
6. Search record in Address Book
7. Exit
Enter your choice :
6
-----
Search Record
Please enter the name of the record to be searched
Niraj
-----
Niraj TE-IT 77 Pune
Record is present.
-----
1. Create Address Book
2. Insert record in Address Book
3. Display Address Book
4. Delete record from Address Book
5. Modify record in Address Book
6. Search record in Address Book
7. Exit
Enter your choice :
7
stud@stud-MS-7D48: ~/Desktop/Aditya$
```

```
Activities Text Editor Sep 27 15:26 *studentdata ~/Desktop/Aditya Save
1 Niraj TE-IT 77 Pune
2 Piyush TE-IT 71 Pune
3 Aditya Gawali TE-IT 70 Nashik
```

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