

```
name=1
city=1
code=1
mobno=1
n=0
ch=0

while [ $ch -ne 7 ]
do
echo -e "\nAddress Database\n-----"
echo -e "1. Create Database\n2. View Database\n3. Insert a record"
echo -e "4. Delete a record\n5. Search a record\n6. Modify a record\n7. Exit"
echo -e "\nEnter your choice:"
read ch

case $ch in
1)
echo -e "\nEnter the file name:"
read fname
touch "$fname"
echo -e "\nEnter number of records to add:"
read n
i=$n
while [ $i -gt 0 ]
do
echo -e "\nEnter Name:"
read name
```

```
echo -e "Enter City:"  
read city  
echo -e "Enter Zipcode:"  
read code  
echo -e "Enter Mobile no:"  
read mobno  
echo -e "$name\t$city\t$code\t$mobno" >> "$fname"  
echo -e "Record added successfully."  
i=$((i - 1))  
done  
;;
```

2)

```
if [ ! -f "$fname" ]; then  
    echo "No database found. Create one first."  
else  
    echo -e "\nName\tCity\tZipcode\tMobile"  
    cat "$fname"  
fi  
;;
```

3)

```
echo -e "\nEnter Name:"  
read name  
echo -e "Enter City:"  
read city  
echo -e "Enter Zipcode:"  
read code
```

```
echo -e "Enter Mobile no:"  
read mobno  
echo -e "$name\t$city\t$code\t$mobno" >> "$fname"  
echo -e "Record inserted successfully."  
;;
```

4)

```
echo -e "\nEnter the Name of the record to be deleted:"  
read no  
if grep -w "$no" "$fname" > /dev/null  
then  
    grep -v -w "$no" "$fname" > temp  
    mv temp "$fname"  
    echo -e "Record deleted successfully."  
else  
    echo -e "Record not found."  
fi  
;;
```

5)

```
echo -e "\nEnter the name of the record to search:"  
read no  
if grep -w "$no" "$fname" > /dev/null  
then  
    grep -w "$no" "$fname"  
else  
    echo -e "Record not found."  
fi
```

;;

6)

```
echo -e "\nEnter the name of the record to modify:"  
read oldname  
if grep -w "$oldname" "$fname" > /dev/null  
then  
    grep -v -w "$oldname" "$fname" > temp  
    echo -e "Enter new Name:"  
    read name  
    echo -e "Enter new City:"  
    read city  
    echo -e "Enter new Zipcode:"  
    read code  
    echo -e "Enter new Mobile no:"  
    read mobno  
    echo -e "$name\t$city\t$code\t$mobno" >> temp  
    mv temp "$fname"  
    echo -e "Record modified successfully."  
else  
    echo -e "Record not found."  
fi  
;;
```

7)

```
echo "Exiting from program..!"  
exit 0  
;;
```

```
*)  
echo "Invalid choice."  
;;  
esac  
done
```