

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
```