

```
#Initialization :
```

```
name=-1  
city=-1  
code=-1  
phn=-1  
cnt=-1  
ch=0
```

```
while [ $ch -ne 7 ]  
do
```

```
    echo "\n\tAddress Database\n\t-----\n1. Create Database\n2. View  
database\n3. Insert a record"
```

```
    echo "4. Delete a record\n5. Search a record. \n6.Modify A Record.\n7.Exit.."
```

```
    echo "\nYour Choice : "
```

```
    read ch
```

```
    case $ch in
```

```
        1) #Creating the database :
```

```
            echo "\n Address Database : \nEnter the File Name : "
```

```
            read fname
```

```
            touch $fname          #file creation
```

```
            echo "\nEnter the no. of records to be entered in the file $fname : "
```

```
            read n
```

```
            i=$n
```

```
            while [ $i != 0 ]
```

```
            do
```

```
                echo "\nEnter Name : "
```

```
                read name
```

```
                echo "\nEnter city : "
```

```
                read city
```

```
                echo "\nEnter zipcode : "
```

```
                read code
```

```
                echo "\nEnter moblie : "
```

```
                read phn
```

```
                echo "\n$name \t\t$city\t\t$code\t\t$phn"
```

```

        echo "\n$name \t\t$city\t\t$code\t\t$phn" >> $fname
        echo "\n Your data is stored in the file."

        #code=-1
        #phn=-1

        i=`expr $i - 1`
        done
    ;;

2) #View database :
    echo "\n\t\tADDRESS DATABASE"
    echo
    "....."
    "....."
        echo "\nName\t\tCity\t\tZipcode\t\tMobile"
        echo
    "....."
    "....."
        cat $fname
        echo
    "....."
    "....."
    ;;

3) #Insert :
    #flag=0

    echo "\nEnter Name : "
    read name

    echo "\nEnter City : "
    read city

    while [ $code -lt 0 ]
    do
        echo "\nEnter Zipcode : "
        read code
    done

    while [ $phn -lt 0 ]
    do
        echo "\nEnter Mobile : "

```

```
        read phn
    done
```

```
    echo "\n$name\t\t$city\t\t$code\t\t$phn"
    echo "\n$name\t\t$city\t\t$code\t\t$phn" >> $fname
    echo "\n Your data is stored in the file."
```

```
    $n=`expr $n + 1`
    code=-1
    phn=-1
```

```
;;
```

4) #Delete :

```
touch temp
echo "\nEnter the Name of the record to be deleted : "
read no
```

```
if grep -w "$no" $fname
then
    grep -w -v "$no" $fname >> temp
    rm $fname
    mv temp $fname
else
    echo "\nRecord not found.."
fi
```

```
;;
```

5) #Searching a record :

```
echo "\nEnter the Name of the record to be displayed : "
read no
```

```
if grep -w "$no" $fname
then
    grep -w -v "$no" $fname >> temp
else
    echo "\nRecord not found.."
fi
```

```
;;
```

6) #Modify A Record:

```
touch temp
echo "\nEnter the Name of the student whose record is to be modified : "
read name
```

```
if grep -w "$name" $fname
then
grep -w -v "$name" $fname >> temp
echo "\nEnter Name : "
read name
```

```
echo "\nEnter City : "
read city
```

```
while [ $code -lt 0 ]
do
    echo "\nEnter Zipcode : "
    read code
done
```

```
while [ $phn -lt 0 ]
do
    echo "\nEnter Mobile : "
    read phn
done
```

```
echo "\n$name\t\t$city\t\t$code\t\t$phn" >>temp
```

```
echo "\n Your data is stored in the file."
```

```
code=-1
phn=-1
fi
```

```
rm $fname
mv temp $fname
```

```
;;
```

```
7) #Exit..
echo Exiting from Program..
;;
```

```
done  
esac
```