**~ CUSTOMER**

**#include<iostream.h>**

**#include<conio.h>**

**#include<stdio.h>**

**#include<fstream.h>**

**#include<ctype.h>**

**#include<string.h>**

**class customer**

**{**

**private:**

**long mnumber;**

**char name[15];**

**char dateofpurchase[20];**

**char receiptno[20];**

**int noofitems;**

**char address[40];**

**char department[20];**

**int totalamount;**

**public:**

**customer()**

**{**

**mnumber=0;**

**noofitems=0;**

**name[0]='\0';**

**dateofpurchase[0]='\0';**

**receiptno[0]='\0';**

**totalamount =0;**

**address[0]='\0';**

**department[0]='\0';**

**}**

**customer(long mno, char nme[], char dop[],char rptno[],int nfitm,char adress[],char dprtmnt[],int ttlamnt)**

**{**

**mnumber=mno;**

**noofitems=nfitm;**

**totalamount=ttlamnt;**

**strcpy(name,"nme");**

**strcpy(dateofpurchase,"dop");**

**strcpy(receiptno,"rptno");**

**strcpy(address,"adress");**

**strcpy(department,"dprtmnt");**

**}**

**customer(customer&C)**

**{**

**mnumber=C.mnumber;**

**noofitems=C.noofitems;**

**totalamount=C.totalamount;**

**strcpy(name,C.name);**

**strcpy(dateofpurchase,C.dateofpurchase);**

**strcpy(receiptno,C.receiptno);**

**strcpy(address,C.address);**

**strcpy(department,C.department);**

**}**

**void enterdata()**

**{**

**cout<<"Enter the mobile number";**

**cin>>mnumber;**

**cout<<"Enter the name";**

**cin>>name;**

**cout<<"Enter the date of purchase";**

**cin>>dateofpurchase;**

**cout<<"Enter the receipt number";**

**cin>>receiptno;**

**cout<<"Enter the totalamount";**

**cin>>totalamount;**

**cout<<"Enter the number of items";**

**cin>>noofitems;**

**cout<<"\nEnter the address:"; gets(address);**

**cout<<"\nEnter the department:"; cin>>department;**

**}**

**void showdata()**

**{**

**cout<<"id number is"<<mnumber;**

**cout<<"name is"<<name;**

**cout<<"father name is"<<dateofpurchase;**

**cout<<"mother name is"<<receiptno;**

**cout<<"totalamount is"<<totalamount;**

**cout<<"noofitems is"<<noofitems;**

**cout<<"address is"<<address;**

**cout<<"department is"<<department;**

**}**

**int retcode()**

**{**

**return(mnumber);**

**}**

**};**

**void Input\_customer()**

**{**

**customer C;**

**ofstream fout("customer.dat",ios::binary|ios::app);**

**int n;**

**cout<<"Enter how many records";**

**cin>>n;**

**for(int i=0;i<n;i++)**

**{**

**C.enterdata();**

**fout.write((char\*)&C,sizeof(C));**

**}**

**fout.close();**

**}**

**void Display\_customer()**

**{**

**customer C;**

**ifstream fin("customer.dat",ios::binary);**

**cout<<"CUSTOMER DETAILS \n ";**

**while(fin.read((char\*)&C,sizeof(C)))**

**{**

**C.showdata();**

**}**

**fin.close();**

**}**

**void Modify\_customer()**

**{**

**customer C;**

**fstream finout("customer.dat",ios::in|ios::out|ios::binary);**

**int ino;**

**cout<<"Enter the code to be modified";**

**cin>>ino;**

**while(finout.read((char\*)&C,sizeof(C)))**

**{**

**if (C.retcode()==ino)**

**{**

**cout<<"\n Data found ..Enter the modified information";**

**C.enterdata();**

**finout.seekg(-1\*sizeof(C), ios::cur);**

**finout.write((char\*)&C,sizeof(C));**

**}**

**}**

**finout.close();**

**}**

**void Delete\_customer()**

**{**

**customer C;**

**ifstream fin("customer.dat",ios::binary);**

**ofstream fout("new1.dat",ios::binary);**

**int ino;**

**cout<<"\nEnter the code to be deleted";**

**cin>>ino;**

**while(fin.read((char\*)&C,sizeof(C)))**

**{**

**if(C.retcode()==ino)**

**cout<<"\n Data found to be deleted";**

**else**

**fout.write((char\*)&C,sizeof(C));**

**}**

**fin.close();**

**fout.close();**

**remove("customer.dat");**

**rename("new1.dat","customer.dat");**

**}**

**void main()**

**{**

**int ch=1,lp=1;**

**while(lp)**

**{**

**clrscr();**

**cout<<"\nEnter the choice";**

**cout<<"\n1.Enter the Customer Details";**

**cout<<"\n2.Display the Customer Details";**

**cout<<"\n3.Modify the Customer Details";**

**cout<<"\n4.Delete the Customer name from list";**

**cout<<"\n5.Exit\n Your choice is";**

**cin>>ch;**

**switch(ch)**

**{**

**case 1: Input\_customer();**

**break;**

**case 2: Display\_customer();**

**break;**

**case 3: Modify\_customer();**

**break;**

**case 4: Delete\_customer();**

**break;**

**case 5:**

**cout<<"\nThanks ..YOU press any key to exit";**

**lp=0;**

**break;**

**default:;**

**}**

**}**

**getch();**

**}**