**~ PRODUCT**

**#include<iostream.h>**

**#include<conio.h>**

**#include<stdio.h>**

**#include<fstream.h>**

**#include<ctype.h>**

**#include<string.h>**

**class product**

**{**

**private:**

**long idnumber;**

**char name[15];**

**int price;**

**int manfuct date;**

**int exp date;**

**int quantity;**

**char quality;**

**public:**

**product()**

**{**

**idnumber=0;**

**price=0;**

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

**manfuct date=\'0';**

**exp date =0;**

**quantity=0;**

**quality=0;**

**}**

**product (long idno, char nme[], int intprice,int manfuctdate[],int expdate[])**

**{**

**idnumber=idno;**

**price=price;**

**expdate=expdate;**

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

**manfuctdate=manfuctdate;**

**quantity=quantity;**

**quality=quality;**

**}**

**product(product&S)**

**{**

**idnumber=S.idnumber;**

**price=S.price;**

**expdate=S.expdate;**

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

**manfuctdate=s.manfuctdate;**

**quantity=s.quantity;**

**quality=s.quality;**

**}**

**void enterdata()**

**{**

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

**cin>>idnumber;**

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

**cin>>name;**

**cout<<"enter the manfuctdate;**

**cin>>manfuctdate;**

**cout<<"Enter the expdate";**

**cin>>expdate;**

**cout<<"Enter the price";**

**cin>>price;**

**cout<<"Enter the quantity'';**

**cin>>quantity;**

**cout<<' enter the quality";**

**cin>>quality;**

**}**

**void showdata()**

**{**

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

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

**cout<<"manfuctdate is"<<manfuctdate;**

**cout<<"expdate is"<<expdate;**

**cout<<"price is"<<price;**

**cout<<" quantity is <<quantity;**

**cout<<" quality is<<quality;**

**}**

**int retcode()**

**{**

**return(idnumber);**

**}**

**};**

**void Input\_product()**

**{**

**product S;**

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

**int n;**

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

**cin>>n;**

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

**{**

**S.enterdata();**

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

**}**

**fout.close();**

**}**

**void Display\_product()**

**{**

**product S;**

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

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

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

**{**

**S.showdata();**

**}**

**fin.close();**

**}**

**void Modify\_product()**

**{**

**product S;**

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

**int ino;**

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

**cin>>ino;**

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

**{**

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

**{**

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

**S.enterdata();**

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

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

**}**

**}**

**finout.close();**

**}**

**void Delete\_product()**

**{**

**staff S;**

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

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

**int ino;**

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

**cin>>ino;**

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

**{**

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

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

**else**

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

**}**

**fin.close();**

**fout.close();**

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

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

**}**

**void main()**

**{**

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

**while(lp)**

**{**

**clrscr();**

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

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

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

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

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

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

**cin>>ch;**

**switch(ch)**

**{**

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

**break;**

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

**break;**

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

**break;**

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

**break;**

**case 5:**

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

**lp=0;**

**break;**

**default:;**

**}**

**}**

**getch();**

**}**