#include<iostream.h>

#include<conio.h>

#include<string.h>

#include<fstream.h>

#include<stdio.h>

#include<stdlib.h>

/\*-------------------------------------

CREATING CLASS

----------------------------------------\*/

class stationary

{

int code;

char name[30];

char brand[30];

float price;

int qty;

public:

void in()

{

cout<<"enter code,name,brand,price,qty:---"<<endl;

cin>>code;

gets(name);

cin>>brand;

cin>>price;

cin>>qty;

}

void getname()

{

cout<<"enter new name";

gets(name);

}

void getbrand()

{

cout<<"enter new brand name";

gets(brand);

}

void out()

{

cout<<endl<<"code "<<code;

cout<<endl<<"name "<<name;

cout<<endl<<"brand "<<brand;

cout<<endl<<"price "<<price;

cout<<endl<<"qty "<<qty;

}

void create\_product()

{

cout<<"\nPlease Enter The Product No. of The Product ";

cin>>code;

cout<<"\n\nPlease Enter The Name of The Product ";

gets(name);

cout<<"\n\nPlease enter the brand of the product";

gets(brand);

cout<<"\nPlease Enter The Price of The Product ";

cin>>price;

cout<<"\nPlease Enter the Quantity of Product ";

cin>>qty;

}

void show\_product()

{

cout<<"\nThe Product No. of The Product : "<<code;

cout<<"\nThe Name of The Product : ";

puts(name);

cout<<"\nThe Brand of The Product : ";

puts(brand);

cout<<"\nThe Quantity Product : "<<qty;

cout<<"\nThe Price of The Product : "<<price;

}

int rcode()

{

return code;

}

int rprice()

{

return price;

}

char\* rname()

{

return name;

}

char \*rbrand()

{

return brand;

}

}

s;

/\*--------------------------------------------------------

CRETATING STOCKS USING DATA FILE

--------------------------------------------------------\*/

void create()

{

ofstream f1("records",ios::app);

s.in();

f1.write((char\*)&s,sizeof(s));

f1.close();

}

/\*--------------------------------------------------------

DISPLAYING STOCKS USING DATA FILE

--------------------------------------------------------\*/

void disp()

{

clrscr();

cout<<"\n\n\t\tALL RECORDS\n\n";

ifstream f2("records");

while(f2.read((char\*)&s,sizeof(s)))

{

s.out();

cout<<endl;

}

f2.close();

}

/\*--------------------------------------------------------

SEARCHING STOCKS ON THE BASIS OF PRODUCT CODE

--------------------------------------------------------\*/

void search1()

{

int k,f=0;

cout<<endl<<"enter code to be searched";

cin>>k;

ifstream f1("records");

while(f1.read((char\*)&s,sizeof(s)))

{

if(k==s.rcode())

{

s.out();

f=1;

}

}

if(f==0)

cout<<"record not found";

f1.close();

}

/\*--------------------------------------------------------

SEARCHING STOCKS ON THE BASIS OF PRODUCT NAME

--------------------------------------------------------\*/

void search2()

{

int f=0;

char a[20];

cout<<endl<<"enter name of product to be searched";

gets(a);

ifstream f1("records");

while(f1.read((char\*)&s,sizeof(s)))

{

if(strcmp(a,s.rname())==0)

{

s.out();

f=1;

}

}

if(f==0)

{

cout<<"record not found";

f1.close();

}

}

void search3()

{

int f=0;

char a[20];

cout<<endl<<"enter brand of product to be searched";

cin>>a;

ifstream f1("records");

while(f1.read((char\*)&s,sizeof(s)))

{

if(strcmp(a,s.rbrand())==0)

{

s.out();

f=1;

}

}

if(f==0)

{

cout<<"record not found";

f1.close();

}

}

/\*--------------------------------------------------------

DELETING STOCKS ITEMS USING DATA FILE

--------------------------------------------------------\*/

void del()

{

int k;

cout<<"enter code to be deleted :";

cin>>k;

ifstream f1("records",ios::binary);

ofstream f2("temp",ios::binary);

while(f1.read((char\*)&s,sizeof(s)))

{

if(s.rcode()!=k)

f2.write((char\*)&s,sizeof(s));

}

f1.close();

f2.close();

remove("records");

rename("temp","records");

cout<<"\n\n\tRecord deleted..";;

getch();

}

/\*--------------------------------------------------------

MODIFYING STOCKS(AS A WHOLE) USING DATA FILE

--------------------------------------------------------\*/

void modify\_product()

{

float no,found=0;

clrscr();

cout<<"\n\n\tTo Modify ";

cout<<"\n\n\tPlease Enter The Product No. of The Product";

cin>>no;

fstream f1("records",ios::in|ios::out);

while(f1.read((char\*)&s,sizeof(stationary))&&found==0)

{

if(s.rcode()==no)

{

s.show\_product();

cout<<"\nPlease Enter The New Details of Product"<<endl;

s.create\_product();

int pos=-1\*sizeof(s);

f1.seekp(pos,ios::cur);

f1.write((char\*)&s,sizeof(stationary));

cout<<"\n\n\t Record Updated";

found=1;

}

}

f1.close();

if(found==0)

cout<<"\n\n Record Not Found ";

getch();

}

/\*--------------------------------------------------------

MODIFYING BRANDS OF STOCKS

--------------------------------------------------------\*/

void modify\_brand()

{

char k[10],found=0;

clrscr();

cout<<"\n\n\t-------TO MODIFY BRAND NAME--------";

cout<<"enter brand name to be modified";

cin>>k;

fstream f1("records",ios::in|ios::out);

while(f1.read((char\*)&s,sizeof(stationary))&&found==0)

{

if(strcmp(s.rbrand(),k)==0)

{

s.getbrand();

int pos=-1\*sizeof(s);

f1.seekp(pos,ios::cur);

f1.write((char\*)&s,sizeof(stationary));

cout<<"\n\n\t Record Updated";

found=1;

}

}

f1.close();

if(found==0)

cout<<"\n\n Record Not Found ";

getch();

}

/\*--------------------------------------------------------

MODIFYING NAME OF STOCKS

--------------------------------------------------------\*/

void modify\_name()

{

char k[10],found=0;

clrscr();

cout<<"\n\n\t-------TO MODIFY NAME--------"<<endl;

cout<<"enter name to be modified";

cin>>k;

fstream f1("records",ios::in|ios::out);

while(f1.read((char\*)&s,sizeof(stationary))&&found==0)

{

if(strcmp(s.rname(),k)==0)

{

s.getname();

int pos=-1\*sizeof(s);

f1.seekp(pos,ios::cur);

f1.write((char\*)&s,sizeof(stationary));

cout<<"\n\n\t Record Updated";

found=1;

}

}

f1.close();

if(found==0)

cout<<"\n\n Record Not Found ";

getch();

}

/\*--------------------------------------------------------

PLACING ORDER BY USER

--------------------------------------------------------\*/

void place\_order()

{

char a[20],name[30];

int order\_arr[20],quan[50],c=0,bill;

float amt,total=0;

char ch='y';

cout<<endl<<"======================================================";

cout<<endl<<" PLACE YOUR ORDER ";

cout<<endl<<"======================================================";

do

{

cout<<"\n\nenter name of customer:\n";

cin>>name;

cout<<"\n\nenter bill number\n";

cin>>bill;

cout<<"\n\nEnter The Product No. Of The Product : ";

cin>>order\_arr[c];

cout<<"\nQuantity in number : ";

cin>>quan[c];

c++;

cout<<"\nDo You Want To Order Another Product ? (y/n)";

cin>>ch;

}

while(ch=='y' ||ch=='Y');

cout<<"\n\nThank You For Placing The Order";getch();clrscr();

cout<<"\n\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*INVOICE\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n";

cout<<"\nCustomer NAme:--"<<name<<endl;

cout<<"\nBILL no:"<<bill<<endl;

cout<<"\nPr No.\tPr Name\tQuantity \tPrice\tamount\n";

for(int x=0;x<=c;x++)

{

ifstream f1("records",ios::in);

f1.read((char\*)&s,sizeof(stationary));

while(!f1.eof())

{

if(s.rcode()==order\_arr[x])

{

amt=s.rprice()\*quan[x];

cout<<"\n"<<order\_arr[x]<<"\t"<<s.rname()<<"\t"<<quan[x]<<"\t\t"<<s.rprice()<<"\t"<<amt;

total+=amt;

}

f1.read((char\*)&s,sizeof(stationary));

}

f1.close();

}

cout<<"\n\n\t\t\t\t\tTOTAL = "<<total;

getch();

}

/\*--------------------------------------------------------

ADMIN MENU

--------------------------------------------------------\*/

void admin\_menu()

{

clrscr();

char ch2;

cout<<"\n\n\n\tADMIN MENU";

cout<<"\n\n\t1.CREATE PRODUCT";

cout<<"\n\n\t2.DISPLAY ALL PRODUCTS";

cout<<"\n\n\t3.search on the basis of code ";

cout<<"\n\n\t4.search on the basis of name ";

cout<<"\n\n\t5.search on the basis of brand ";

cout<<"\n\n\t6.DELETE PRODUCT";

cout<<"\n\n\t7.MODIFY PRODUCT ";

cout<<"\n\n\t8.MODIFY BRAND ";

cout<<"\n\n\t9.MODIFY NAME ";

cout<<"\n\n\t10.PLACE ORDER";

cout<<"\n\n\tPlease Enter Your Choice:-";

ch2=getche();

switch(ch2)

{

case '1': clrscr();

create();

break;

case '2': disp();

break;

case '3': search1();

break;

case '4': search2();

break;

case '5': search3();

break;

case '6':del();

break;

case '7': modify\_product();

break;

case '8':modify\_brand();

break;

case '9':modify\_name();

break;

case '10':place\_order();

default:cout<<"\a";admin\_menu();

}

getch();

}

/\*-------------------------------------------------------

INTRO FUNCTION (opening window)

--------------------------------------------------------\*/

void intro()

{

clrscr();

gotoxy(25,11);

cout<<"------SUPER MARKET-------";

gotoxy(22,14);

cout<<"\t\t\ BILLING ";

gotoxy(34,17);

cout<<"PROJECT";

cout<<endl<<"\n\nMADE BY : AADITYA PRASAD AND KARAN SINGLA ";

cout<<"\n\nSCHOOL : MOTHER'S GLOBAL SCHOOL";

getch();

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

// THE MAIN FUNCTION OF PROGRAM

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

void main()

{

char ch;

intro();

do

{

clrscr();

cout<<"\n\n\n\tMAIN MENU";

cout<<"\n\n\t01. CUSTOMER";

cout<<"\n\n\t02. ADMINISTRATOR";

cout<<"\n\n\t03. EXIT";

cout<<"\n\n\tPlease Select Your Option (1-3) ";

ch=getche();

switch(ch)

{

case '1': clrscr();

place\_order();

getch();

break;

case '2': admin\_menu();

break;

case '3':exit(0);

default :cout<<"\a";

}

}

while(ch!='3');

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* ---- ---------------------------------- END OF PROJECT ------------------------- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/