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**Project Name: Grocery store system**

**Project Code:**

#include<iostream>

#include<fstream>

#include<iomanip>

#include<string>

using namespace std;

fstream myfile;

class grocery\_store{

private:

char name[50];

int quantity ;

public:

int pent,tpent,shirt,tshirt,meat,tmeat;

int bread,tbread,juice,tjuice,snacks;

int tsnacks,biscuits,tbiscuits,total;

int pantcounter = 100 , shirtcounter =100 ;

int meatcounter = 100, breadcounter = 100 ;

int juicecounter = 100, snackscounter =100 ;

int biscuitscounter = 100;

grocery\_store();

grocery\_store(char[50],int);

int getquantity(){

return quantity;

}

void setquantity(){

cin>>quantity;

}

void admin();

void costumer();

void bill(){

total=tpent+tmeat+tshirt+tmeat+tbread+tjuice+tsnacks+tbiscuits;

cout<<"\n\t\t\t\tYour total bill is : "<<total<<"\n";

myfile<<"\nTotal bill is :"<<total<<"\n";

cout<<"\n\t\t\t\tThanks for coming...!!\n";

cout<<"\t\t\t\tHope to see you again :) .\n";

myfile<<"\nThanks for coming...!!\n";

myfile<<"Hope to see you again :) .\n";

myfile.close();

}

};

grocery\_store c;

string input;

int input4;

int choice;

int quantity;

int main()

{

cout<<"\t\t\tWelcome to our Grocery store\n\n";

cout<<"\t\t\tTo enter Admin panel press 1\n";

cout<<"\t\t\tTo enter store press 2\n";

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

cin>>choice;

cout<<"\n";

system("cls");

if(choice==1)

{

c.admin();

}

else if(choice==2)

{

c.costumer();

}

else

{

cout<<setw(25)<<"Wrong Input!\n";

system("cls");

cout<<setw(25)<<"Plz try again\n";

main();

}

}

grocery\_store::grocery\_store(){

for(int i=0; i<50; i++)

{

name[i] = '\0';

}

quantity = 0;

}

grocery\_store::grocery\_store(char name[],int quantity)

{

this->name[50] = name[50];

this->quantity = quantity;

}

void grocery\_store::admin()

{

string choice;

cout<<"Enter pasword to get access:";

cin>>input;

if(input=="1122")

{

cout<<setw(25)<<"\t\tWelcome to Admin...!!";

cout<<setw(25)<<"\n\tPant Quantity Left: "<<c.pantcounter;

cout<<setw(25)<<"\n\tShirts Quantity Left: "<<c.shirtcounter;

cout<<setw(25)<<"\n\tMeat Quantity Left: "<<c.meatcounter;

cout<<setw(25)<<"\n\tBread Quantity Left: "<<c.breadcounter;

cout<<setw(25)<<"\n\tSnacks Quantity Left: "<<c.snackscounter;

cout<<setw(25)<<"\n\tJuice Quantity Left: "<<c.juicecounter;

cout<<setw(25)<<"\n\tBiscuits Quantity Left: "<<c.biscuitscounter<<endl;

cout<<setw(25)<<"\n\tPress 3 to go to main menu";

cin>>input4;

system("cls");

if(input4=3)

{

main();}

else

{

cout<<"error try again";

}

fstream myfile;

myfile.open("new\_file.txt",ios::out);

if(!myfile)

{

cout<<"File creation failed";

}

else

{

cout<<"New file created";

myfile.close();

}

}

else

{

cout<<setw(25)<<"Wrong Pasword!\n";

system("cls");

cout<<setw(25)<<"Plz try again\n";

c.admin();

}

}

void grocery\_store::costumer()

{

myfile.open("customer.txt",ios::app);

cout<<setw(25)<<"\t\tWelcome To our store...!!\n";

cout<<"\t\t\t\tEnter your name : ";

cin.ignore();

cin>>c.name;

myfile<<name<<"\n";

c:

cout<<"\t\tPlease select from below.\n";

cout<<"\t\t1. Clothing.\n";

cout<<"\t\t2. Grocery.\n";

cout<<"\t\t";

cin>>choice;

myfile<<"1 for clothing & 2 for grocery.\n";

myfile<<"Customer's choice: "<<choice<<"\n";

if(choice!=1 && choice!=2)

{

cout<<"\t\tWrong input.\n";

goto c;

}

switch (choice)

{

case 1:

cout<<"\t\t\t\tWelcome to clothing....!!\n";

d:

cout<<"\t\t\t\t1. Trousers.\n";

cout<<"\t\t\t\t2. Shirts.\n";

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

cin>>choice;

myfile<<"1 for trousers & 2 for shirts.\n";

myfile<<"Customer's choice: "<<choice<<"\n";

if (choice!=1 && choice!=2)

{

cout<<"\t\tWrong input.\n";

goto d;

}

switch (choice)

{

case 1:

if(c.pantcounter<=0)

{

c.pantcounter = 100;

}

cout<<"\t\t\t\tOne pent costs Rs.2000.\n";

k:

cout<<"\t\t\t\tYou want to buy or not (yes/no):";

cin>>input;

if(input=="yes"||input=="YES"||input=="Yes"||input=="y"||input=="Y")

{

e:

cout<<"\t\t\t\tEnter the quantity:";

c.setquantity();

if(quantity<=c.pantcounter)

{

myfile<<"Quantity: "<<c.getquantity()<<"\n";

c.pent=quantity\*2000;

c.tpent=c.tpent+c.pent;

cout<<"\t\t\t\tYour bill for pent/pents is :"<<c.tpent;

c.pantcounter = c.pantcounter - quantity;

f:

cout<<"\n\t\t\t\tYou want to buy more(yes/no):";

cin>>input;

if(input=="yes"||input=="YES"||input=="Yes"||input=="y"||input=="Y")

{

goto e;

}

else if(input=="no"||input=="NO"||input=="No"||input=="n"||input=="N")

{

h:

cout<<"\n\t\t\t\tTo exit press 1";

cout<<"\n\t\t\t\tTo continue shoping press 2\n";

cout<<"\t\t\t\tPress 3 to login as admin.\n";

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

cin>>choice;

switch (choice)

{

case 1:

cout<<"\n\t\t\t\tThanks for coming...!!\n";

cout<<"\t\t\t\tHope to see you again :) .\n";

c.bill();

break;

case 2:

myfile<<"Custumer wants to continue shoping.\n";

goto c;

break;

case 3:

admin();

break;

default:

cout<<"\t\t\t\tWrong Input!\n";

goto h;

}

}

else

{

cout<<"\t\t\t\tWrong input.\n";

goto f;

}

}

else

{

cout<<"\n\t\t\t\tQuantity exceeding stock.\n";

goto e;

}

}

else if(input=="no"||input=="NO"||input=="No"||input=="n"||input=="N")

{

g:

cout<<"\t\t\t\tYou want to buy anything else(yes/no):";

cin>>input;

if(input=="yes"||input=="YES"||input=="Yes"||input=="y"||input=="Y")

{

goto c;

}

else if (input=="no"||input=="NO"||input=="No"||input=="n"||input=="N")

{

c.bill();

}

else

{

cout<<"\t\t\t\tWrong Input!";

goto g;

}

}

else

{

cout<<"\t\t\t\tWrong Input!\n";

goto k;

}

break;

case 2:

if(c.shirtcounter<=0)

{

c.shirtcounter=100;

}

cout<<"\t\t\t\tOne shirt costs Rs.1500.\n";

i:

cout<<"\t\t\t\tWant to buy or not (yes/no):";

cin>>input;

if(input=="yes"||input=="YES"||input=="Yes"||input=="y"||input=="Y")

{

cout<<"\t\t\t\tEnter the quantity:";

c.setquantity();

if(quantity<=c.shirtcounter)

{

myfile<<"Quantity: "<<c.getquantity()<<"\n";

c.shirt=quantity\*1500;

c.tshirt=c.tshirt+c.shirt;

cout<<"\t\t\t\tYour bill for shirt/s is :"<<c.tshirt;

c.shirtcounter = c.shirtcounter-quantity;

j:

cout<<"\n\t\t\t\tYou want to buy more (yes/no):";

cin>>input;

if(input=="yes"||input=="YES"||input=="Yes"||input=="y"||input=="Y")

{

goto i;

}

else if(input=="no"||input=="NO"||input=="No"||input=="n"||input=="N")

{

l:

cout<<"\n\t\t\t\tTo exit press 1";

cout<<"\n\t\t\t\tTo continue shoping press 2\n";

cout<<"\t\t\t\tPress 3 to login as admin.\n";

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

cin>>choice;

switch (choice)

{

case 1:

cout<<"\n\t\t\t\tThanks for coming...!!\n";

cout<<"\t\t\t\tHope to see you again :) .\n";

c.bill();

//

break;

case 2:

myfile<<"Custumer wants to continue shoping.\n";

goto c;

break;

case 3:

admin();

break;

default:

cout<<"\t\t\t\tWrong Input!\n";

goto l;

break;

}

}

else

{

cout<<"\t\t\t\tWrong input.\n";

goto j;

}

}

else

{

cout<<"\n\t\t\t\tQuantity exceeding stock.\n";

goto i;

}

}

else if(input=="no"||input=="NO"||input=="No"||input=="n"||input=="N")

{

m:

cout<<"\t\t\t\tYou want to buy anything else(yes/no):";

cin>>input;

if(input=="yes"||input=="YES"||input=="Yes"||input=="y"||input=="Y")

{

goto c;

}

else if (input=="no"||input=="NO"||input=="No"||input=="n"||input=="N")

{

c.bill();

}

else

{

cout<<"\t\t\t\tWrong Input!";

goto m;

}

}

else

{

cout<<"\t\t\t\tWrong Input!\n";

goto i;

}

break;

default:

cout<<"\n\t\t\t\tWrong Input!";

goto d;

break;

}

break;

case 2:

cout<<"\n\t\t\t\tWelcome to Grocery...!!\n";

n:

cout<<"\t\t\t\tChoose from below:\n";

cout<<"\t\t\t\t1. Meat.\n";

cout<<"\t\t\t\t2. Bread.\n";

cout<<"\t\t\t\t3. Juice.\n";

cout<<"\t\t\t\t4. Snacks.\n";

cout<<"\t\t\t\t5. Biscuits.\n";

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

cin>>choice;

myfile<<"1 for meat & 2 for bread & 3 for juice & 4 for snacks & 5 for biscuits.\n";

myfile<<"Costumer's choice : "<<choice<<"\n";

switch (choice)

{

case 1:

if(c.meatcounter<=0)

{

c.meatcounter=100;

}

cout<<"\n\t\t\t\tOne KG meat costs 400 Rs.\n";

o:

cout<<"\t\t\t\tYou want to buy or not(yes/no):";

cin>>input;

if(input=="yes"||input=="YES"||input=="Yes"||input=="y"||input=="Y")

{

q:

cout<<"\n\t\t\t\tEnter quantity in KG's : ";

c.setquantity();

if(quantity<=c.meatcounter)

{

myfile<<"Quantity is:"<<c.getquantity()<<"\n";

c.meat=quantity\*400;

c.tmeat=c.tmeat+c.meat;

cout<<"\n\t\t\t\tYour bill for meet is:"<<c.tmeat<<"\n";

c.meatcounter = c.meatcounter - quantity;

p:

cout<<"\t\t\t\tYou want to buy more(yes/no):";

cin>>input;

if(input=="yes"||input=="YES"||input=="Yes"||input=="y"||input=="Y")

{

goto q;

}

else if(input=="no"||input=="NO"||input=="No"||input=="n"||input=="N")

{

r:

cout<<"\n\t\t\t\tPress 1 to exit.\n";

cout<<"\t\t\t\tPress 2 to continue shop.\n";

cout<<"\t\t\t\tPress 3 to login as admin.\n";

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

cin>>choice;

switch (choice)

{

case 1:

cout<<"\n\t\t\t\tThanks for coming...!!\n";

cout<<"\t\t\t\tHope to see you again :) .\n";

c.bill();

break;

case 2:

myfile<<"Custumer wants to continue shoping.\n";

goto c;

break;

case 3:

admin();

break;

default:

cout<<"\n\t\t\t\tWrong Input!\n";

goto r;

break;

}

}

else

{

cout<<"\n\t\t\t\tWrong Input!\n";

goto p;

}

}

else

{

cout<<"\n\t\t\t\tQuantity exceeding stock.\n";

goto q;

}

}

else if(input=="no"||input=="NO"||input=="No"||input=="n"||input=="N")

{

s:

cout<<"\n\t\t\t\tYou want to buy anything else(yes/no):";

cin>>input;

if(input=="yes"||input=="YES"||input=="Yes"||input=="y"||input=="Y")

{

goto c;

}

else if(input=="no"||input=="NO"||input=="No"||input=="n"||input=="N")

{

c.bill();

}

else

{

cout<<"\n\t\t\t\tWrong input!\n";

goto s;

}

}

else

{

cout<<"\n\t\t\t\tWrong Input!\n";

goto o;

}

break;

case 2:

if(c.breadcounter<=0)

{

c.breadcounter=100;

}

cout<<"\n\t\t\t\tOne pack of bread costs 50 Rs.\n";

t:

cout<<"\t\t\t\tYou want to buy or not(yes/no):";

cin>>input;

if(input=="yes"||input=="YES"||input=="Yes"||input=="y"||input=="Y")

{

v:

cout<<"\n\t\t\t\tEnter quantity:";

c.setquantity();

if(quantity<=c.breadcounter)

{

myfile<<"Quantity:"<<c.getquantity()<<"\n";

c.bread=quantity\*50;

c.tbread=c.tbread+c.bread;

cout<<"\n\t\t\t\tYour bill for bread is:"<<c.tbread<<"\n";

c.breadcounter = c.breadcounter - quantity;

u:

cout<<"\t\t\t\tYou want to shop more(yes/no):";

cin>>input;

if(input=="yes"||input=="YES"||input=="Yes"||input=="y"||input=="Y")

{

goto v;

}

else if(input=="no"||input=="NO"||input=="No"||input=="n"||input=="N")

{

w:

cout<<"\n\t\t\t\tYou want to buy anything else(yes/no):";

cin>>input;

if(input=="yes"||input=="YES"||input=="Yes"||input=="y"||input=="Y")

{

myfile<<"Customer wants to continue shoping.\n";

goto c;

}

else if(input=="no"||input=="NO"||input=="No"||input=="n"||input=="N")

{

c.bill();

}

else

{

cout<<"\n\t\t\t\tWrong input!\n";

goto w;

}

}

else

{

cout<<"\n\t\t\t\tWrong Input!";

goto u;

}

}

else

{

cout<<"\n\t\t\t\tQuantity exceeding stock.\n";

goto v;

}

}

else if(input=="no"||input=="NO"||input=="No"||input=="n"||input=="N")

{

x:

cout<<"\n\t\t\t\tYou want to buy anything else(yes/no):";

cin>>input;

if(input=="yes"||input=="YES"||input=="Yes"||input=="y"||input=="Y")

{

myfile<<"Customer wants to continue shoping.\n";

goto c;

}

else if(input=="no"||input=="NO"||input=="No"||input=="n"||input=="N")

{

c.bill();

}

else

{

cout<<"\n\t\t\t\tWrong input!\n";

goto x;

}

}

else

{

cout<<"\n\t\t\t\tWrong Input!";

goto t;

}

break;

case 3:

if(c.juicecounter<=0)

{

c.juicecounter=100;

}

cout<<"\n\t\t\t\tOne pack of juice costs 30 Rs.\n";

ac:

cout<<"\t\t\t\tYou want to buy or not(yes/no):";

cin>>input;

if(input=="yes"||input=="YES"||input=="Yes"||input=="y"||input=="Y")

{

z:

cout<<"\n\t\t\t\tEnter quantity:";

c.setquantity();

if(quantity<=c.juicecounter)

{

myfile<<"Quantity is:"<<c.getquantity()<<"\n";

c.juice=quantity\*30;

c.tjuice=c.tjuice+c.juice;

cout<<"\n\t\t\t\tTYour bill for for juice is:"<<c.tjuice<<"\n";

c.juicecounter = c.juicecounter - quantity;

y:

cout<<"\t\t\t\tYou want to buy more(yes/no):";

cin>>input;

if(input=="yes"||input=="YES"||input=="Yes"||input=="y"||input=="Y")

{

goto z;

}

else if(input=="no"||input=="NO"||input=="No"||input=="n"||input=="N")

{

ab:

cout<<"\n\t\t\t\tPress 1 to exit.\n";

cout<<"\t\t\t\tPress 2 to continue shop.\n";

cout<<"\t\t\t\tPress 3 to login as admin.\n";

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

cin>>choice;

switch (choice)

{

case 1:

cout<<"\n\t\t\t\tThanks for coming...!!\n";

cout<<"\t\t\t\tHope to see you again :) .\n";

c.bill();

break;

case 2:

myfile<<"Custumer wants to continue shoping.\n";

goto c;

break;

case 3:

admin();

break;

default:

cout<<"\n\t\t\t\tWrong Input!\n";

goto ab;

break;

}

}

else

{

cout<<"\n\t\t\t\tWrong Input!\n";

goto y;

}

}

else

{

cout<<"\n\t\t\t\tQuantity exceeding stock.\n";

goto z;

}

}

else if(input=="no"||input=="NO"||input=="No"||input=="n"||input=="N")

{

ad:

cout<<"\n\t\t\t\tYou want to buy anything else(yes/no):";

cin>>input;

if(input=="yes"||input=="YES"||input=="Yes"||input=="y"||input=="Y")

{

myfile<<"Customer wants to continue shoping.\n";

goto c;

}

else if(input=="no"||input=="NO"||input=="No"||input=="n"||input=="N")

{

c.bill();

}

else

{

cout<<"\n\t\t\t\tWrong input!\n";

goto ad;

}

}

else

{

cout<<"\n\t\t\t\tWrong Input!\n";

goto ac;

}

break;

case 4:

if(c.snackscounter<=0)

{

c.snackscounter=100;

}

cout<<"\n\t\t\t\tOne pack of snacks costs 100 Rs.\n";

ae:

cout<<"\t\t\t\tYou want to buy or not(yes/no):";

cin>>input;

if(input=="yes"||input=="YES"||input=="Yes"||input=="y"||input=="Y")

{

ah:

cout<<"\n\t\t\t\tEnter quantity:";

c.setquantity();

if(quantity<=c.snackscounter)

{

myfile<<"Quantity is:"<<c.getquantity()<<"\n";

c.snacks=quantity\*100;

c.tsnacks=c.tsnacks+c.snacks;

cout<<"\n\t\t\t\tTYour bill for for juice is:"<<c.tsnacks<<"\n";

c.snackscounter = c.snackscounter - quantity;

ag:

cout<<"\t\t\t\tYou want to buy more(yes/no):";

cin>>input;

if(input=="yes"||input=="YES"||input=="Yes"||input=="y"||input=="Y")

{

goto ah;

}

else if(input=="no"||input=="NO"||input=="No"||input=="n"||input=="N")

{

ai:

cout<<"\n\t\t\t\tPress 1 to exit.\n";

cout<<"\t\t\t\tPress 2 to continue shop.\n";

cout<<"\t\t\t\tPress 3 to login as admin.\n";

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

cin>>choice;

switch (choice)

{

case 1:

cout<<"\n\t\t\t\tThanks for coming...!!\n";

cout<<"\t\t\t\tHope to see you again :) .\n";

c.bill();

break;

case 2:

myfile<<"Custumer wants to continue shoping.\n";

goto c;

break;

case 3:

admin();

break;

default:

cout<<"\n\t\t\t\tWrong Input!\n";

goto ai;

break;

}

}

else

{

cout<<"\n\t\t\t\tWrong Input!\n";

goto ag;

}

}

else

{

cout<<"\n\t\t\t\tQuantity exceeding stock.\n";

goto ah;

}

}

else if(input=="no"||input=="NO"||input=="No"||input=="n"||input=="N")

{

af:

cout<<"\n\t\t\t\tYou want to buy anything else(yes/no):";

cin>>input;

if(input=="yes"||input=="YES"||input=="Yes"||input=="y"||input=="Y")

{

myfile<<"Customer wants to continue shoping.\n";

goto c;

}

else if(input=="no"||input=="NO"||input=="No"||input=="n"||input=="N")

{

c.bill();

}

else

{

cout<<"\n\t\t\t\tWrong input!\n";

goto af;

}

}

else

{

cout<<"\n\t\t\t\tWrong Input!";

goto ae;

}

break;

case 5:

if(c.biscuitscounter<=0)

{

c.biscuitscounter=100;

}

cout<<"\n\t\t\t\tOne KG biscuits costs 350 Rs.\n";

am:

cout<<"\t\t\t\tYou want to buy or not(yes/no):";

cin>>input;

if(input=="yes"||input=="YES"||input=="Yes"||input=="y"||input=="Y")

{

ak:

cout<<"\n\t\t\t\tEnter quantity:";

c.setquantity();

if(quantity<=c.biscuitscounter)

{

myfile<<"Quantity in KG's:"<<c.getquantity()<<"\n";

c.biscuits=quantity\*350;

c.tbiscuits=c.tbiscuits+c.biscuits;

cout<<"\n\t\t\t\tTYour bill for for juice is:"<<c.tbiscuits<<"\n";

c.biscuitscounter = c.biscuitscounter - quantity;

aj:

cout<<"\t\t\t\tYou want to buy more(yes/no):";

cin>>input;

if(input=="yes"||input=="YES"||input=="Yes"||input=="y"||input=="Y")

{

goto ak;

}

else if(input=="no"||input=="NO"||input=="No"||input=="n"||input=="N")

{

al:

cout<<"\n\t\t\t\tPress 1 to exit.\n";

cout<<"\t\t\t\tPress 2 to continue shop.\n";

cout<<"\t\t\t\tPress 3 to login as admin.\n";

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

cin>>choice;

switch (choice)

{

case 1:

cout<<"\n\t\t\t\tThanks for coming...!!\n";

cout<<"\t\t\t\tHope to see you again :) .\n";

c.bill();

break;

case 2:

myfile<<"Custumer wants to continue shoping.\n";

goto c;

break;

case 3:

admin();

break;

default:

cout<<"\n\t\t\t\tWrong Input!\n";

goto al;

break;

}

}

else

{

cout<<"\n\t\t\t\tWrong Input!\n";

goto aj;

}

}

else

{

cout<<"\n\t\t\t\tQuantity exceeding stock.\n";

goto ak;

}

}

else if(input=="no"||input=="NO"||input=="No"||input=="n"||input=="N")

{

an:

cout<<"\n\t\t\t\tYou want to buy anything else(yes/no):";

cin>>input;

if(input=="yes"||input=="YES"||input=="Yes"||input=="y"||input=="Y")

{

myfile<<"Customer wants to continue shoping.\n";

goto c;

}

else if(input=="no"||input=="NO"||input=="No"||input=="n"||input=="N")

{

c.bill();

}

else

{

cout<<"\n\t\t\t\tWrong input!\n";

goto an;

}

}

else

{

cout<<"\n\t\t\t\tWrong Input!\n";

goto am;

}

break;

default:

cout<<"\n\t\t\t\tWrong Input!";

goto n;

break;

}

break;

default:

cout<<"\n\t\tWrong Input!\n";

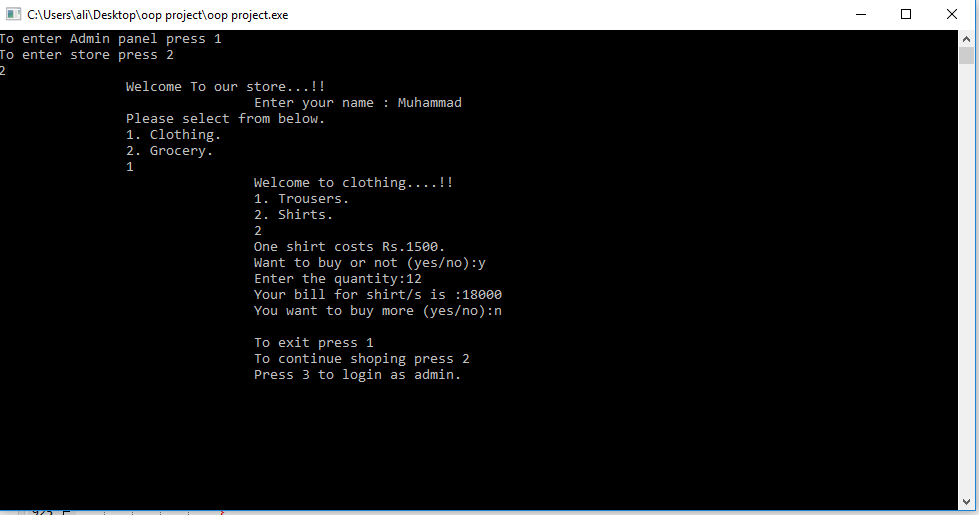
goto c;

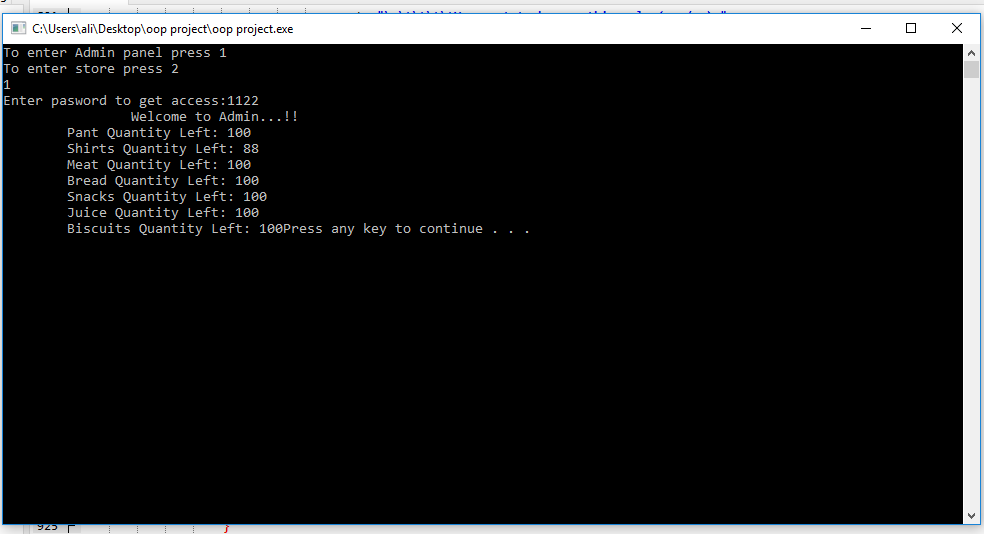
break;

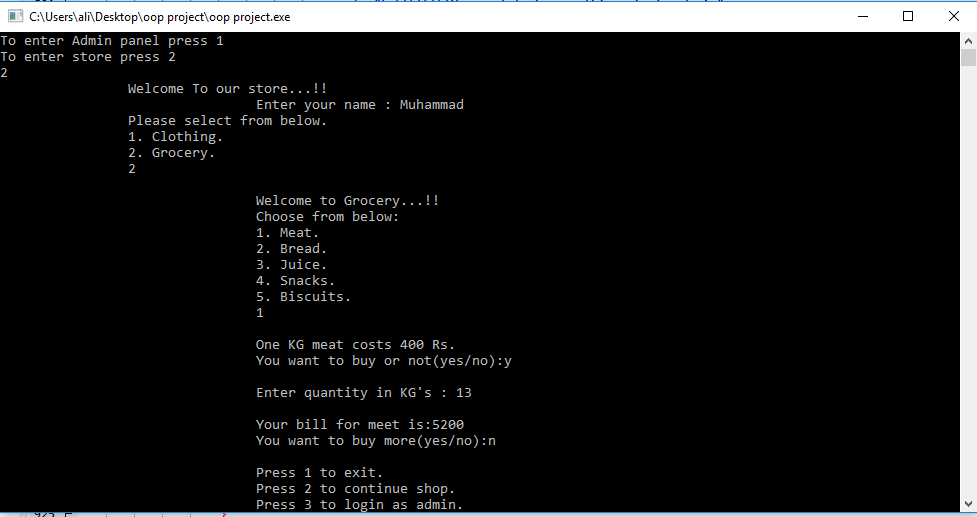
}

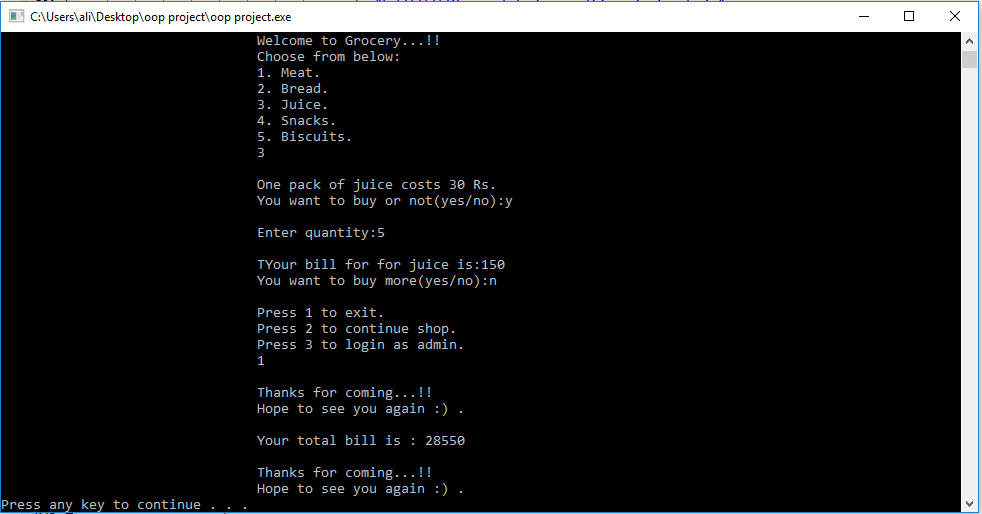
}

**Output:**

****

****

****

****