

## **CODE**

```
#include<iostream>

#include<string> using
namespace std;

//function for billing pkr for code #1 from menu int
pay1(int price,int quantity,int tax){

    tax=tax*quantity;
    int bill= price*quantity+tax;    cout<<"Total
    Bill in PKR: "<<bill<<endl;
    return bill;
}

int main(){
```

```
//following are variables if user enter as customer
```

```
int code,quantity,Y,N; double pay; char option;
```

```
// following are variables if user enter as branch manager
```

```
int
```

```
welcome,manage,q1=50,s1=q1,q2=60,s2=q2,q3=70,s3=q3,q4=80,s4=q4,q5=100,s5=q5,back,update,pin,  
order;
```

```
//following are variables to add item
```

```
int item2; string name[100]; int
```

```
quantity[100]; int price[100];
```

```
//s1,s2 etc abberivation of sum
```

```
// variable sum changes status after updating quantity
```

```
cout<<"Welcome To KFC Ordering System"<<endl;
```

```
cout<<"1.Press To Enter as Branch Manager"<<endl;
```

```
cout<<"2.Press To Enter as Customer"<<endl; cout<<"Enter  
as : ";
```

```
//welcome variable assign control according input cin>>welcome;
```

```
//after placing order updating inventory
```

```
if(welcome==1){ while(true){
```

```
cout<<"Welcome Manager "<<endl;
```

```
cout<<"Press 1 for Inventory Status"<<endl;
```

```
cout<<"Press 2 To Update Inventory"<<endl;
```

```
//manage variable to display or update inventory
```

```
cin>>manage; //Display inventory
```

```
if(manage==1){ cout<<"Fried Chicken : "
```

```
<<s1<<endl; cout<<"Kentucky Burger :
```

```

"<<s2<<endl;  cout<<"Karak Chai : "
<<s3<<endl;  cout<<"Mighty Burger : "
<<s4<<endl;  cout<<"Snack Bucket : "
<<s5<<endl;  //back to manager menu
cout<<"Press 0 for back : ";  cin>>back;
if(back==0){  continue;

}
else{
return 0;
}
}

// update inventory via manage variable  if
(manage==2){      cout<<"Inventory  Update
"<<endl;          cout<<"1.Fried  Chicken : "
<<s1<<endl;        cout<<"2.Kentucky  Burger : "
"<<s2<<endl;        cout<<"3.Karak  Chai  : "
<<s3<<endl;        cout<<"4.Mighty  Burger : "
<<s4<<endl;        cout<<"5.Snack  Bucket : "
<<s5<<endl;  cout<<"6.Add an item : "  <<endl;
//update variable select item to change quantity
cin>>update;

//update selected item 1
if(update==1){  cout<<"1.Fried Chicken
: " <<s1<<endl;  do{
    cout<<"Place order to Update Inventory : ";
    cin>>order;

```

```
//order variable to update item quantity
```

```
//formula for sum
```

```
s1=q1+order; cout<<"The  
quantity will be : "<<s1<<endl;
```

```
//do-whlie loop for negative inputs
```

```
if(order<1)  cout<<"Invaild  
Input !"<<endl;  
}while(order<1);
```

```
//do-while loop pin to confirm order
```

```
do{  
cout<<"Enter Your Pin (1234) : ";  
//variable pin takes pin no.  
cin>>pin;  if(pin!=1234){  
cout<<"Wrong Pin! Try again \a"<<endl;  
}  
}while(pin !=1234);
```

```
//order confirmation messages  cout<<"The  
order has been Confirmed "<<endl;  
cout<<"The order will arrive shortly"<<endl;
```

```
//back to main menu
```

```
cout<<"Press 0 to Main Menu : ";
```

```
cin>>back; if(back==0){
```

```
continue;
```

```
}
```

```
}
```

```
//update selected item 2 if(update==2){
```

```
cout<<"2. Kentucky Burger : " <<q2<<endl;
```

```
do{
```

```
cout<<"Place order to Update Inventory : ";
```

```
cin>>order;
```

```
//order variable to update item quantity
```

```
s2=q2+order;
```

```
cout<<"The quantity will be : "<<s2<<endl;
```

```
//do-whlie loop for negative inputs
```

```
if(order<1) cout<<"Invaild
```

```
Input !"<<endl;
```

```
}while(order<1);
```

```
//do-while loop pin to confirm order
```

```
do{
```

```
cout<<"Enter Your Pin (1234) : ";
```

```
//variable pin takes pin no.
```

```
cin>>pin; if(pin!=1234){
```

```
cout<<"Wrong Pin! Try again \a"<<endl;
```

```

}
}while(pin !=1234);

//order confirmation messages  cout<<"The
order has been Confirmed "<<endl;
cout<<"The order will arrive shortly"<<endl;

//back to main menu
cout<<"Press 0 to Main Menu : ";
cin>>back;  if(back==0){
continue;
}

}

//update selected item 3
if(update==3){  cout<<"3. Karak Chai
: " <<q3<<endl;  do{
    cout<<"Place order to Update Inventory : ";
cin>>order;

//order variable to update item quantity
s3=q3+order;

cout<<"The quantity will be : "<<s3<<endl;

//do-whlie loop for negative inputs

```

```
    if(order<1)    cout<<"Invalid
Input !"<<endl;
}while(order<1);

//do-while loop pin to confirm order

do{
cout<<"Enter Your Pin (1234) : ";
//variable pin takes pin no.
cin>>pin;  if(pin!=1234){
cout<<"Wrong Pin! Try again \a"<<endl;
}
}while(pin !=1234);

//order confirmation messages    cout<<"The
order has been Confirmed "<<endl;
cout<<"The order will arrive shortly"<<endl;

//back to main menu
cout<<"Press 0 to Main Menu : ";
cin>>back;  if(back==0){
continue;
}

}
```

```

//update selected item 4
if(update==4){ cout<<"4.Mighty Burger :
" <<q4<<endl;

do{ cout<<"Place order to Update
Inventory : "; cin>>order;

//order variable to update item quantity
s4=q4+order; cout<<"The quantity will be
: "<<s4<<endl;


//do-whlie loop for negative inputs
if(order<1) cout<<"Invaild Input
!"<<endl;

}while(order<1);


//do-while loop pin to confirm order

do{ cout<<"Enter Your Pin
(1234) : ";

//variable pin takes pin no.
cin>>pin; if(pin!=1234){
cout<<"Wrong Pin! Try again \a"<<endl;
}
}while(pin !=1234);


//order confirmation messages cout<<"The
order has been Confirmed "<<endl;
cout<<"The order will arrive shortly"<<endl;

```



```

//back to main menu

cout<<"Press 0 to Main Menu : ";
cin>>back; if(back==0){
continue;
}

}

//update selected item 5
if(update==5){ cout<<"5.Snack Bucket
: " <<q5<<endl;

do{
cout<<"Place order to Update Inventory : ";
cin>>order;

//order variable to update item quantity
s5=q5+order; cout<<"The quantity will be
: "<<s5<<endl;

//do-whlie loop for negative inputs
if(order<1) cout<<"Invalid
Input !"<<endl;
}while(order<1);

//do-while loop pin to confirm order

do{
cout<<"Enter Your Pin (1234) : ";

//variable pin takes pin no.
cin>>pin;

```

```
    if(pin!=1234){    cout<<"Wrong Pin! Try  
again \a"<<endl;  
    }  
}while(pin !=1234);
```

```
    //order confirmation messages    cout<<"The  
order has been Confirmed "<<endl;  
cout<<"The order will arrive shortly"<<endl;
```

```
    //back to main menu  
cout<<"Press 0 to Main Menu : ";  
cin>>back; if(back==0){  
continue;  
}
```

```
    }  
    // add item option #6 as manager if(update==6){  
cout<<"Fill following feilds to add an item"<<endl<<endl;  
cout << "Enter the number of item's : "; cin >> item2;  
    // to enter name , price and quantity of item to be added  
for (int m = 0; m < item2; m++) {  
        //name of item  
        cout << "Enter the name of item " << m + 1 << ": ";  
cin >> name[m];
```

```

//quantity of item > zero

do{   cout << "Enter the Quantity of item " << m + 1
<< ": ";   cin >> quantityy[m];

    if(quantityy[m]<=0){   cout<<"Invalid
Quantity! Try again \a"<<endl;
    }
}while(quantityy[m]<=0);

//price of item > zero

do{   cout << "Enter the price of item " << m + 1
<< ": ";   cin >> price[m];   if(price[m]<=0){
cout<<"Invalid Price! Try again \a"<<endl;
    }
}while(price[m]<=0);

}

// Print the parallel array

for (int q = 0; q < item2; q++) {

    cout<<"Name "<<q+1 <<" : "<< name[q] << endl<<"Quantity "<<q+1 <<" : "<< quantityy[q] <<
endl<<"Price "<<q+1 <<" : "<< price[q] <<endl;

}

//back to main menu

cout<<"Press 0 to Main Menu : ";

cin>>back;  if(back==0){

continue;

}

```

```
}
```

```
}
```

```
}
```

```
}
```

```
// The Second part of program
```

```
// If user enter as a customer
```

```
if(welcome==2){ jump:
```

```
jump2: jump5: jump8:
```

```
jump10: jump14:
```

```
do{
```

```
cout<<"Select a Item using its code:"<<endl; cout<<"1.
```

```
Fried Chicken (200 PKR) + (0rs Tax)"<<endl;
```

```
cout<<"2. Kentucky Burger (300 PKR) + (2rs
```

```
Tax)"<<endl; cout<<"3. Karak Chai (400 PKR) + (4rs
```

```
Tax)"<<endl; cout<<"4. Mighty Burger (500 PKR) +
```

```
(5rs Tax)"<<endl; cout<<"5. Snack Bucket (600 PKR)
```

```
+ (6rs Tax)"<<endl; cout<<"0. Exit"<<endl;
```

```
cout<<"Enter Code :"; cin>>code; if(code<0 ||
```

```
code>5){ cout<<"Invalid Code.Please try again."<<endl;
```

```
}
```

```
}while(code<0 || code>5);
```

```

//for CODE#1 Fried Chicken RS 200 + 0 rs TAX
if(code==1){ jump1:
cout<<"Enter Quantity :";   cin>>quantity;           if
(quantity==0 || quantity<=0){           cout<<"Invalid
Quantity. Please try again :"<<endl;   goto jump1;
    }
    cout<<"Do you want to add more meals? (Y/N) : ";
    cin>>option;           if
(option=='Y' || option=='y'){
goto jump2;
    }
    if(option=='N' || option=='n') {
        jump3:
        cout<<"Select Currency for payment:"<<endl;
cout<<"1 for PKR"<<endl;

        cout<<"2 for Euro"<<endl;
cout<<"3 for Dollar"<<endl;
cout<<"Enter Currency option : ";
        cin>>pay;
if(pay==1){
    // declared price for function
                                int price =200;
                                int tax=0;
        pay1( price,quantity,tax);           cout<<"Total Sales Tax:
0 PKR"<<endl;           cout<<"Total Meal Price excluding Sales Tax:
"<<200*quantity;
    }
    if(pay==2){

```

```

        cout<<"Total Bill in Euros: "<<200*305.25*quantity<<endl;
cout<<"Total Sales Tax: 0 Euros"<<endl;          cout<<"Total Meal Price
excluding Sales Tax: "<<200*quantity*305.25;
    }

    if(pay==3){
        cout<<"Total Bill in Dollars: "<<200*quantity*279.05<<endl;
cout<<"Total Sales Tax: 0 Dollars"<<endl;          cout<<"Total Meal Price
excluding Sales Tax: "<<200*quantity*279.05;
    }

    if(pay<=0 || pay>=4){      cout<<"Invalid
Currency option. Please try again";      goto jump3;
    }

}

}

//FOR CODE#2 Kentucky Burger 300RS + TAX 2 rs

else if (code==2){
cout<<"Enter Quantity :";

    cin>>quantity;    while (quantity<=0){
cout<<"Invalid Quantity. Please try again :"<<endl;
cout<<"Enter Quantity :";      cin>>quantity;

    }

    cout<<"Do you want to add more meals? (Y/N) : ";
    cin>>option;      if
(option=='Y' || option=='y'){
goto jump5;

```

```

    }

    if(option=='N' || option=='n') {
jump6:

        cout<<"Select Currency for payment:"<<endl;

        cout<<"1 for PKR"<<endl;          cout<<"2 for
Euro"<<endl;          cout<<"3 for Dollar"<<endl;

        cout<<"Enter Currency option : ";

        cin>>pay;

        if(pay==1){          int
        price=300;          int
        tax=2;

        // cout<<"Total Bill in PKR: "<<300*quantity+(2*quantity)<<endl;

        pay1( price,quantity,tax);

        cout<<"Total Sales Tax: "<<quantity*2<<"PKR"<<endl;

        cout<<"Total Meal Price excluding Sales Tax: "<<300*quantity;

    }

    if(pay==2){

        cout<<"Total Bill in Euros: "<<300*305.25*quantity+(2*quantity)<<endl;

        cout<<"Total Sales Tax: "<<2*quantity<<endl;          cout<<"Total Meal Price
        excluding Sales Tax: "<<300*quantity*305.25;

    }

    if(pay==3){

        cout<<"Total Bill in Dollars: "<<300*quantity*279.05+(2*quantity)<<endl;

        cout<<"Total Sales Tax:"<<2*quantity<<"$"<<endl;          cout<<"Total Meal
        Price excluding Sales Tax: "<<300*quantity*279.05*36;

    }

    if(pay<=0 || pay>=4){          cout<<"Invalid
Currency option. Please try again";          goto jump6;

```

```

    }

    }

}

//CODE#3 Karak Chai 400 RS + 4rs TAX else if(code==3){
cout<<"Enter Quantity :";    cin>>quantity;    while
(quantity<=0){        cout<<"Invalid Quantity. Please
try again : "<<endl;        cout<<"Enter Quantity :";

        cin>>quantity;

    }

        cout<<"Do you want to add more meals? (Y/N) : ";
        cin>>option;        if
(option=='Y' || option=='y'){
goto jump8;

    }

        if(option=='N' || option=='n') {
            jump9:
                cout<<"Select Currency for payment:"<<endl;
cout<<"1 for PKR"<<endl;        cout<<"2 for
Euro"<<endl;        cout<<"3 for Dollar"<<endl;
cout<<"Enter Currency option : ";        cin>>pay;
if(pay==1){
    // cout<<"Total Bill in PKR: "<<400*quantity+(4*quantity)<<endl;
    int price =400;

        int tax=4;

    pay1( price,quantity,tax);

```



```

        cout<<"Total Sales Tax:"<<4*quantity<<"PKR"<<endl;
cout<<"Total Meal Price excluding Sales Tax: "<<400*quantity;
    }

    if(pay==2){
        cout<<"Total Bill in Euros: "<<400*305.25*quantity+(4*quantity)<<endl;
cout<<"Total Sales Tax:"<<4*quantity*305.25<<" Euros"<<endl;
cout<<"Total Meal Price excluding Sales Tax: "<<400*quantity*305.25;

    }
if(pay==3){
        cout<<"Total Bill in Dollars: "<<400*quantity*279.05+(4*quantity)<<endl;
cout<<"Total Sales Tax:"<<4*quantity*279.05<<"$"<<endl;        cout<<"Total
Meal Price excluding Sales Tax: "<<400*quantity*279.05;
    }
    if(pay<=0 || pay>=4){        cout<<"Invalid
Currency option. Please try again";        goto jump9;
    }

}
}

```

```

//CODE#4 Mighty Burger 500 RS + 5 rs TAX

```

```

else if(code==4){        cout<<"Enter Quantity
:";        cin>>quantity;

```

```

        while (quantity<=0){        cout<<"Invalid Quantity.
Please try again :"<<endl;        cout<<"Enter Quantity
:";        cin>>quantity;

```

```

    }

    cout<<"Do you want to add more meals? (Y/N) : ";
    cin>>option;
    if (option=='Y' || option=='y'){
goto jump10;
    }

    if(option=='N' || option=='n') {
jump11:
        cout<<"Select Currency for payment:"<<endl;
        cout<<"1 for PKR"<<endl;          cout<<"2 for
Euro"<<endl;          cout<<"3 for Dollar"<<endl;
        cout<<"Enter Currency option : ";
        cin>>pay;
        if(pay==1){
            int price =500;

                                int tax=5;

            pay1( price,quantity,tax);
            // cout<<"Total Bill in PKR: "<<500*quantity+(5*quantity)<<endl;
            cout<<"Total Sales Tax:"<<quantity*5<<"PKR"<<endl;          cout<<"Total
Meal Price excluding Sales Tax: "<<500*quantity;
        }

        if(pay==2){
            cout<<"Total Bill in Euros: "<<500*305.25*quantity+(5*quantity)<<endl;
            cout<<"Total Sales Tax: "<<5*quantity*305.25<<" Euros"<<endl;
            cout<<"Total Meal Price excluding Sales Tax: "<<500*quantity*305.25;
        }

        if(pay==3){

```

```

        cout<<"Total Bill in Dollars: "<<500*quantity*279.05+(5*quantity)<<endl;
cout<<"Total Sales Tax:"<<5*quantity*279.05<<"$"<<endl;        cout<<"Total
Meal Price excluding Sales Tax: "<<500*quantity*279.05;
    }
    if(pay<=0 || pay>=4){        cout<<"Invalid
Currency option. Please try again";        goto jump11;
    }

}
}

```

```

//CODE#5 Snack Bucket 600 RS + 6rs TAX
else if (code==5){        cout<<"Enter
Quantity :";    cin>>quantity;    jump13:
    while (quantity<=0){        cout<<"Invalid Quantity.
Please try again : "<<endl;        cout<<"Enter Quantity
:";        cin>>quantity;

    }

```

```

        cout<<"Do you want to add more meals? (Y/N) : ";
        cin>>option;        if
(option=='Y' || option=='y'){
goto jump14;
    }

    if(option=='N' || option=='n') {
        jump15:
        cout<<"Select Currency for payment:"<<endl;
        cout<<"1 for PKR"<<endl;

```

```

        cout<<"2 for Euro"<<endl;

cout<<"3 for Dollar"<<endl;

cout<<"Enter Currency option : ";

        cin>>pay;

if(pay==1){

                                int price =600;

                                int tax=6;

        pay1( price,quantity,tax);

        // cout<<"Total Bill in PKR: "<<600*quantity+(6*quantity)<<endl;

cout<<"Total Sales Tax: "<<6*quantity<<endl;          cout<<"Total

Meal Price excluding Sales Tax: "<<600*quantity;

    }

        if(pay==2){

        cout<<"Total Bill in Euros: "<<600*305.25*quantity+(6*quantity)<<endl;

cout<<"Total Sales Tax: "<<6*quantity*305.25<<" Euros"<<endl;

cout<<"Total Meal Price excluding Sales Tax: "<<600*quantity*305.25;

    }

        if(pay==3){

        cout<<"Total Bill in Dollars: "<<600*quantity*279.05+(6*quantity)<<endl;

cout<<"Total Sales Tax: "<<6*quantity*279.05<<"$"<<endl;

cout<<"Total Meal Price excluding Sales Tax: "<<600*quantity*279.05;

    }

        if(pay<=0 || pay>=4){      cout<<"Invalid

Currency option. Please try again";      goto jump15;

    }

    }

    }

else if (code==0){

return 0;

```

```
} else
{
cout<<"Invalid Code. Please try again :"<<endl; goto
jump;
}
}
return 0;
}
```

```
C:\Users\daniy\OneDrive\Desktop\Untitled2.cpp - [Executing] - Dev-C++ 5.11
File Edit View Compiler
C:\Users\daniy\OneDrive\Desktop\Untitled2.exe
Welcome To KFC Ordering System
1.Press To Enter as Branch Manager
2.Press To Enter as Customer
Enter as : 2
Select a Item using its code:
601. Fried Chicken (200 PKR) + (0rs Tax)
602. Kentucky Burger (300 PKR) + (2rs Tax)
603. Karak Chai (400 PKR) + (4rs Tax)
604. Mighty Burger (500 PKR) + (5rs Tax)
605. Snack Bucket (600 PKR) + (6rs Tax)
606. Exit
Enter Code : 3
607. Enter Quantity : 1
608. Do you want to add more meals? (Y/N) : n
609. Select Currency for payment:
610. 1 for PKR
611. 2 for Euro
612. 3 for Dollar
Enter Currency option : 1
613. Total Bill in PKR: 404
614. Total Sales Tax: 4PKR
615. Total Meal Price excluding Sales Tax: 400
616. -----
617. Process exited after 8.913 seconds with return value 0
618. Press any key to continue . . .
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\daniy\OneDrive\Desktop\Untitled2.exe
- Output Size: 1.84484958648682 MiB
- Compilation Time: 0.89s
Line: 625 Col: 3 Sel: 0 Lines: 627 Length: 19488 Insert Done parsing in 0.047 seconds
Type here to search 10:31 am 15/05/2024
```

```
C:\Users\daniy\OneDrive\Desktop\Untitled2.exe
File Edit View Compiler
C:\Users\daniy\OneDrive\Desktop\Untitled2.exe
Welcome To KFC Ordering System
1.Press To Enter as Branch Manager
2.Press To Enter as Customer
Enter as : 1
Welcome Manager
Press 1 for Inventory Status
Press 2 To Update Inventory
607. 1
608. Fried Chicken : 50
609. Kentucky Burger : 60
610. Karak Chai : 70
611. Mighty Burger : 80
612. Snack Bucket : 100
613. Press 0 for back : 0
614. Welcome Manager
615. Press 1 for Inventory Status
616. Press 2 To Update Inventory
617. 2
618. Inventory Update
619. 1.Fried Chicken : 50
620. 2.Kentucky Burger : 60
621. 3.Karak Chai : 70
622. 4.Mighty Burger : 80
623. 5.Snack Bucket : 100
624. 6.Add an item :
625. 0
Fill following feilds to add an item
Enter the number of item's : 1
Enter the name of item 1: rice
Enter the Quantity of item 1: 200
Enter the price of item 1: 100
Name 1 : rice
Quantity 1 : 200
Price 1 : 100
Press 0 to Main Menu :
Line: 625
```

