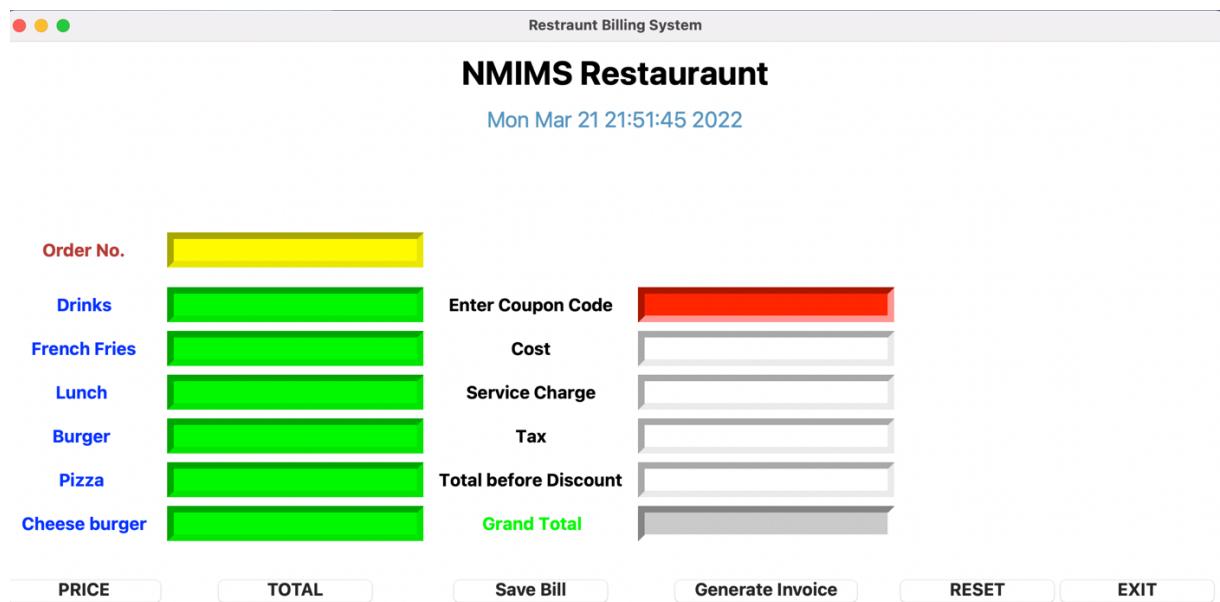
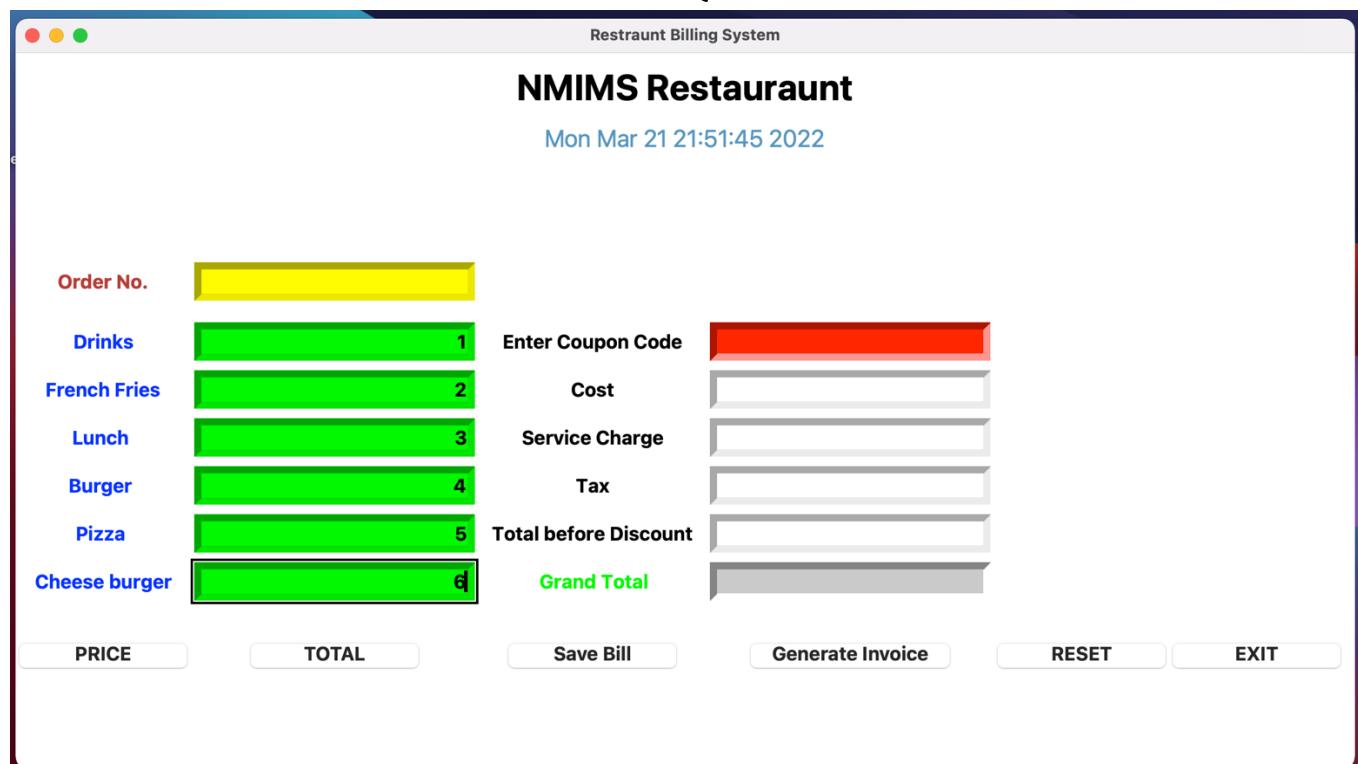


# RESTAURANT BILLING SYSTEM IN USING PYTHON TKINTER AND SQLITE3 DATABASE

## 1.MAIN SCREEN



## 2.ENTER MENU QUANTITY



### 3.PRICE WITHOUT COUPON CODE

The screenshot shows the Restraunt Billing System interface for NMIMS Restauraunt. The date is Mon Mar 21 21:51:45 2022. The order details are as follows:

Order No.	42100	Enter Coupon Code	
Drinks	1		
French Fries	2	Cost	Rs. 775.00
Lunch	3	Service Charge	Rs. 93.00
Burger	4	Tax	Rs. 139.50
Pizza	5	Total before Discount	Rs. 1007.5
Cheese burger	6	Grand Total	Rs. 1007.5

Buttons at the bottom: PRICE, TOTAL, Save Bill, Generate Invoice, RESET, EXIT.

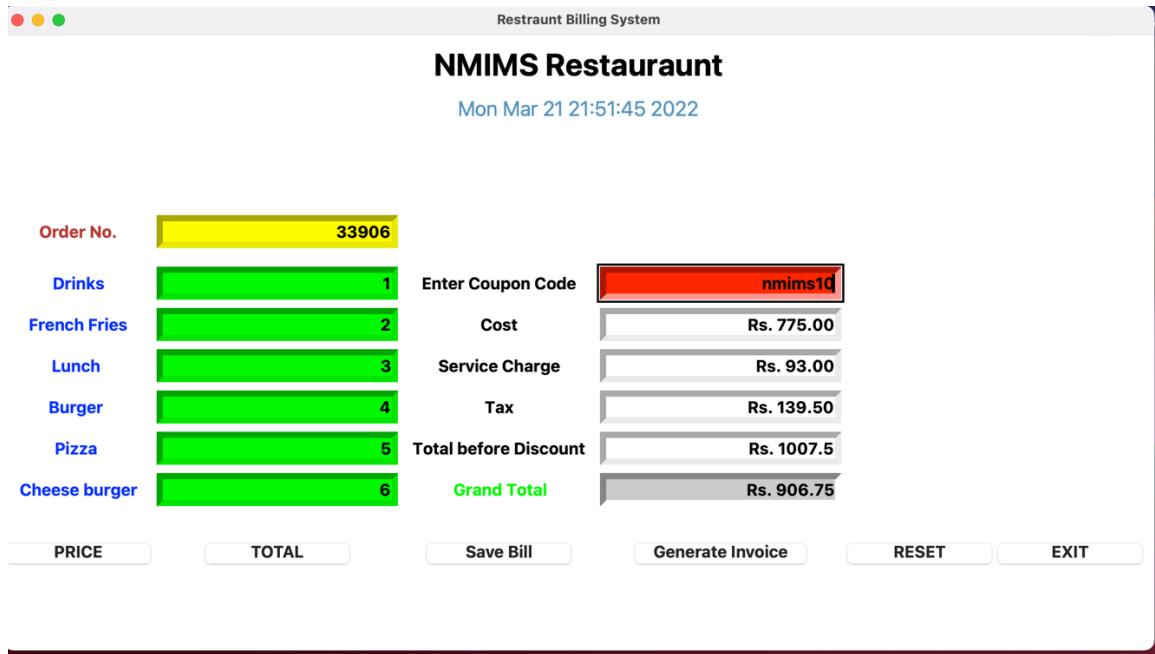
### 4.COUPON CODE ENTERED

The screenshot shows the Restraunt Billing System interface for NMIMS Restauraunt. The date is Mon Mar 21 21:51:45 2022. The order details are as follows:

Order No.	42100	Enter Coupon Code	nmims10
Drinks	1		
French Fries	2	Cost	Rs. 775.00
Lunch	3	Service Charge	Rs. 93.00
Burger	4	Tax	Rs. 139.50
Pizza	5	Total before Discount	Rs. 1007.5
Cheese burger	6	Grand Total	Rs. 1007.5

Buttons at the bottom: PRICE, TOTAL, Save Bill, Generate Invoice, RESET, EXIT.

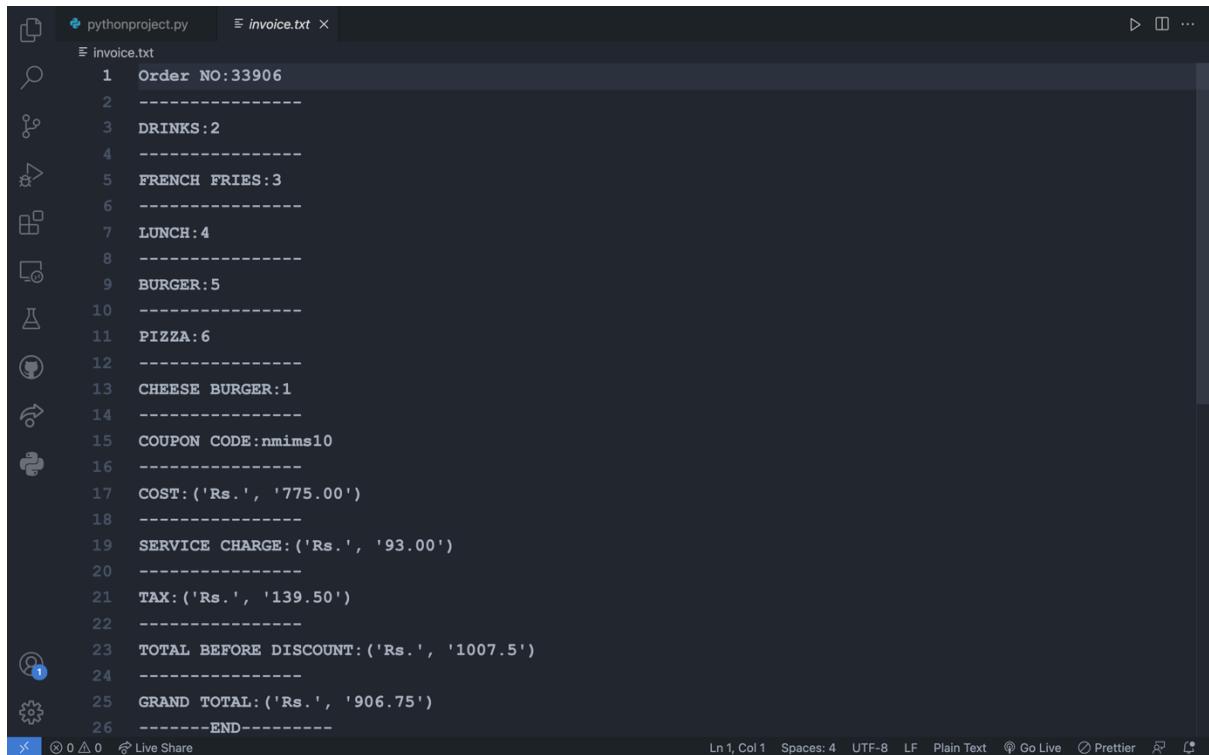
### 5.PRICE AFTER COUPON CODE IS ENTERED



## 6.SAVE BILL BUTTON TO SAVE DATA TO DATABASE

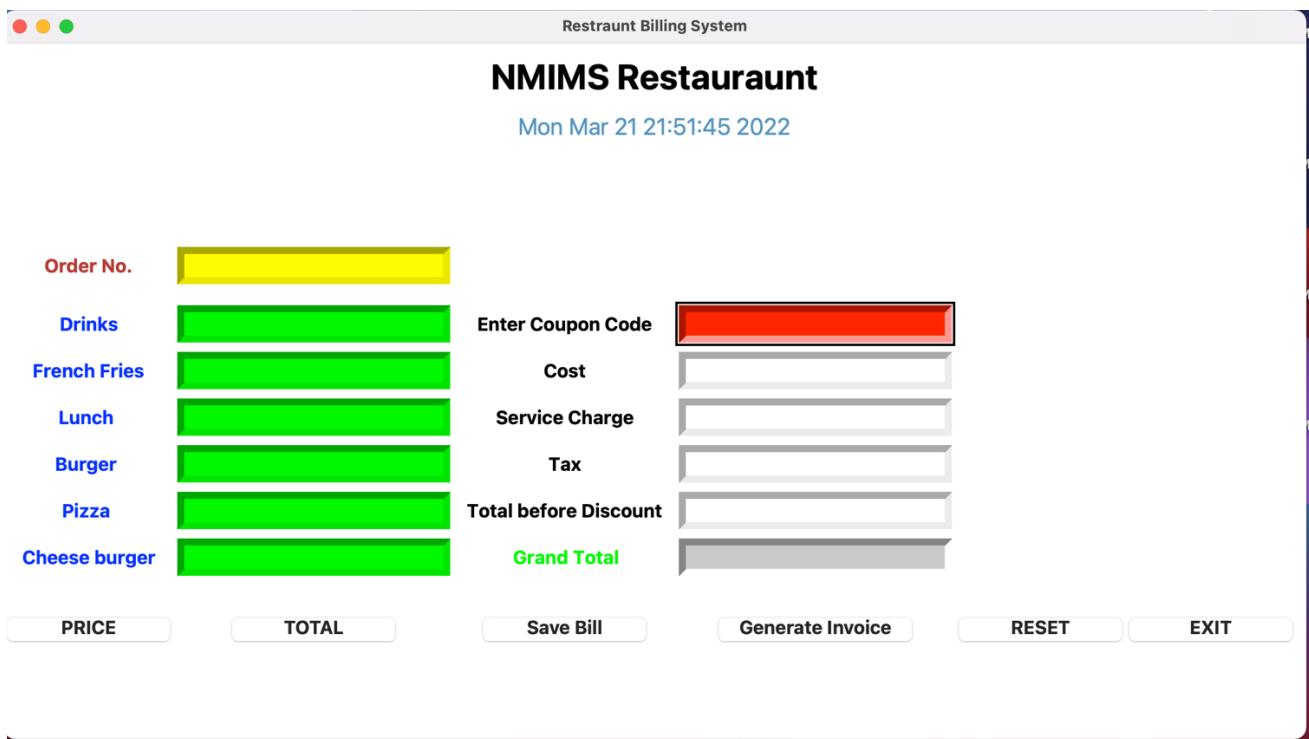
```
souravsmac@Souravs-MacBook-Air project % python -u "/Users/souravsmac/Desktop/project/pythonproject.py"
DEPRECATION WARNING: The system version of Tk is deprecated and may be removed in a future release. Please don't rely on it. Set TK_SILENCE_DEPRECATION=1 to suppress this warning.
heloo in add fun
(Order NO:', u'33906')
(DRINKS:', u'2')
(FRENCH FRIES:', u'3')
(LUNCH:', u'4')
(BURGER:', u'5')
(PIZZA:', u'6')
(CHEESE BURGER:', u'1')
(COUPON CODE:', u'nmims10')
(COST:', u"('Rs.', '775.00')")
(SERVICE CHARGE:', u"('Rs.', '93.00')")
(TAX:', u"('Rs.', '139.50')")
(SUBTOTAL:', u"('Rs.', '1007.5')")
(GRAND TOTAL:', u"('Rs.', '906.75')")
```

## 7.GENERATE INVOICE TO GENERATE A COPY OF INVOICE ON NOTEPAD



```
pythonproject.py invoice.txt
1 Order NO:33906
2 -----
3 DRINKS:2
4 -----
5 FRENCH FRIES:3
6 -----
7 LUNCH:4
8 -----
9 BURGER:5
10 -----
11 PIZZA:6
12 -----
13 CHEESE BURGER:1
14 -----
15 COUPON CODE:nmims10
16 -----
17 COST:('Rs.', '775.00')
18 -----
19 SERVICE CHARGE:('Rs.', '93.00')
20 -----
21 TAX:('Rs.', '139.50')
22 -----
23 TOTAL BEFORE DISCOUNT:('Rs.', '1007.5')
24 -----
25 GRAND TOTAL:('Rs.', '906.75')
26 -----END-----
```

## 8.RESET BUTTON RESETS ALL FIELDS



Restraunt Billing System

**NMIMS Restauraunt**

Mon Mar 21 21:51:45 2022

Order No.	
Drinks	
French Fries	Enter Coupon Code
Lunch	Cost
Burger	Service Charge
Pizza	Tax
Cheese burger	Total before Discount
	Grand Total

PRICE      TOTAL      Save Bill      Generate Invoice      RESET      EXIT

## PROGRAM CODE:

```
from tkinter import*
import random
import time
import sqlite3

root = Tk()
root.geometry("890x580+0+0")
root.title("Restraunt Billing System")

Tops = Frame(root,bg="white",width =
1600,height=50,relief=SUNKEN)
Tops.pack(side=TOP)

f1 = Frame(root,width = 900,height=700,relief=SUNKEN)
f1.pack(side=LEFT)

f2 = Frame(root ,width = 400,height=700,relief=SUNKEN)
f2.pack(side=RIGHT)

#-----TIME-----
localtime=time.asctime(time.localtime(time.time()))
#-----INFO TOP-----
lblinfo = Label(Tops, font=( 'aria' ,30, 'bold'
),text="NMIMS Restraunt",fg="Black",bd=10,anchor='w')
lblinfo.grid(row=0,column=0)
lblinfo = Label(Tops, font=( 'aria' ,20,
),text=localtime,fg="steel blue",anchor=W)
lblinfo.grid(row=1,column=0)

def Ref():
    x=random.randint(12980, 50876)
    randomRef = str(x)
```

```

rand.set(randomRef)

cof =float(Fries.get())
colfries= float(Largefries.get())
cob= float(Burger.get())
cofi= float(Filet.get())
cochee= float(Cheese_burger.get())
codr= float(Drinks.get())

costoffries = cof*25
costoflargefries = colfries*40
costofburger = cob*35
costoffilet = cofi*50
costofcheeseburger = cochee*30
costofdrinks = codr*35

costofmeal = "Rs.",str('%.2f'% (costoffries +
costoflargefries + costofburger + costoffilet +
costofcheeseburger + costofdrinks))

PayTax=((costoffries + costoflargefries +
costofburger + costoffilet + costofcheeseburger +
costofdrinks)*0.18)

Totalcost=(costoffries + costoflargefries +
costofburger + costoffilet + costofcheeseburger +
costofdrinks)

Ser_Charge=((costoffries + costoflargefries +
costofburger + costoffilet + costofcheeseburger +
costofdrinks)*.12)

Service="Rs.",str('%.2f'% Ser_Charge)
PaidTax="Rs.",str('%.2f'% PayTax)
OverAllCost1 = 0

if couponcode.get() !="nmims10":
    OverAllCost1 ="Rs.",str( PayTax + Totalcost +
Ser_Charge)

```

```

        OverAllCost="Rs.",str( PayTax + Totalcost +
Ser_Charge)
    else:
        OverAllCost1 ="Rs.",str( PayTax + Totalcost +
Ser_Charge)
        OverAllCost="Rs.",str( PayTax - 0.10*PayTax+
Totalcost - 0.10*Totalcost + Ser_Charge -0.10*Ser_Charge)

Service_Charge.set(Service)
cost.set(costofmeal)
Tax.set(PaidTax)
Subtotal.set(OverAllCost1)
Total.set(OverAllCost)

def qexit():
    root.destroy()

def reset():
    rand.set("")
    Fries.set("")
    Largefries.set("")
    Burger.set("")
    Filet.set("")
    Subtotal.set("")
    Total.set("")
    Service_Charge.set("")
    Drinks.set("")
    Tax.set("")
    cost.set("")
    Cheese_burger.set("")
    couponcode.set("")
```

```

#-----



rand = StringVar()
Fries = StringVar()
Largefries = StringVar()
Burger = StringVar()
Filet = StringVar()
Subtotal = StringVar()
Total = StringVar()
Service_Charge = StringVar()
Drinks = StringVar()
Tax = StringVar()
cost = StringVar()
Cheese_burger = StringVar()
couponcode = StringVar()



lblreference = Label(f1, font=( 'aria' ,16, 'bold'
),text="Order No.",fg="brown",bd=20,anchor='w')
lblreference.grid(row=0,column=0)
txtreference = Entry(f1,font=('ariel' ,16,'bold'),
textvariable=rand , bd=6,insertwidth=6,bg="yellow"
,justify='right')
txtreference.grid(row=0,column=1)

lblfries = Label(f1, font=( 'aria' ,16, 'bold' ),text="French Fries ",fg="blue",bd=10,anchor='w')
lblfries.grid(row=2,column=0)
txtfries = Entry(f1,font=('ariel' ,16,'bold'),
textvariable=Fries , bd=6,insertwidth=4,bg="green"
,justify='right')
txtfries.grid(row=2,column=1)

lblLargefries = Label(f1, font=( 'aria' ,16, 'bold'
),text="Lunch ",fg="blue",bd=10,anchor='w')
lblLargefries.grid(row=3,column=0)

```

```

txtLargefries = Entry(f1,font=('ariel' ,16,'bold') ,
textvariable=Largefries , bd=6,insertwidth=4,bg="green"
,justify='right')
txtLargefries.grid(row=3,column=1)

lblburger = Label(f1, font=( 'aria' ,16, 'bold'
),text="Burger ",fg="blue",bd=10,anchor='w')
lblburger.grid(row=4,column=0)
txtburger = Entry(f1,font=('ariel' ,16,'bold') ,
textvariable=Burger , bd=6,insertwidth=4,bg="green"
,justify='right')
txtburger.grid(row=4,column=1)

lblFilet = Label(f1, font=( 'aria' ,16, 'bold'
),text="Pizza ",fg="blue",bd=10,anchor='w')
lblFilet.grid(row=5,column=0)
txtFilet = Entry(f1,font=('ariel' ,16,'bold') ,
textvariable=Filet , bd=6,insertwidth=4,bg="green"
,justify='right')
txtFilet.grid(row=5,column=1)

lblCheese_burger = Label(f1, font=( 'aria' ,16, 'bold'
),text="Cheese burger",fg="blue",bd=10,anchor='w')
lblCheese_burger.grid(row=6,column=0)
txtCheese_burger = Entry(f1,font=('ariel' ,16,'bold') ,
textvariable=Cheese_burger ,
bd=6,insertwidth=4,bg="green" ,justify='right')
txtCheese_burger.grid(row=6,column=1)

#-----
-----
lblDrinks = Label(f1, font=( 'aria' ,16, 'bold'
),text="Drinks",fg="blue",bd=10,anchor='w')
lblDrinks.grid(row=1,column=0)

```

```
txtDrinks = Entry(f1,font=('ariel' ,16,'bold') ,  
textvariable=Drinks , bd=6,insertwidth=4,bg="green"  
,justify='right')  
txtDrinks.grid(row=1,column=1)  
  
lblcoupon = Label(f1, font=( 'aria' ,16, 'bold'  
) ,text="Enter Coupon Code",fg="black",bd=10,anchor='w')  
lblcoupon.grid(row=1,column=2)  
txtcoupon = Entry(f1,font=('ariel' ,16,'bold') ,  
textvariable=couponcode , bd=6,insertwidth=4,bg="red"  
,justify='right')  
txtcoupon.grid(row=1,column=3)  
  
lblcost = Label(f1, font=( 'aria' ,16, 'bold'  
) ,text="Cost",fg="black",bd=10,anchor='w')  
lblcost.grid(row=2,column=2)  
txtcost = Entry(f1,font=('ariel' ,16,'bold') ,  
textvariable=cost , bd=6,insertwidth=4,bg="white"  
,justify='right')  
txtcost.grid(row=2,column=3)  
  
lblService_Charge = Label(f1, font=( 'aria' ,16, 'bold'  
) ,text="Service Charge",fg="black",bd=10,anchor='w')  
lblService_Charge.grid(row=3,column=2)  
txtService_Charge = Entry(f1,font=('ariel' ,16,'bold') ,  
textvariable=Service_Charge ,  
bd=6,insertwidth=4,bg="white" ,justify='right')  
txtService_Charge.grid(row=3,column=3)  
  
lblTax = Label(f1, font=( 'aria' ,16, 'bold'  
) ,text="Tax",fg="black",bd=10,anchor='w')  
lblTax.grid(row=4,column=2)  
txtTax = Entry(f1,font=('ariel' ,16,'bold') ,  
textvariable=Tax , bd=6,insertwidth=4,bg="white"  
,justify='right')
```



```
cursor = conn.execute("SELECT * from menu36")
for row in cursor:
    print("Order NO:",row[0])
    print("DRINKS:",row[1])
    print("FRENCH FRIES:",row[2])
    print("LUNCH:",row[3])
    print("BURGER:",row[4])
    print("PIZZA:",row[5])
    print("CHEESE BURGER:",row[6])
    print("COUPON CODE:",row[7])
    print("COST:",row[8])
    print("SERVICE CHARGE:",row[9])
    print("TAX:",row[10])
    print("SUBTOTAL:",row[11])
    print("GRAND TOTAL:",row[12])

def invoicefile():
    cursor = conn.execute("SELECT * from menu36")
    for row in cursor:
        file = open("invoice.txt", 'w')
        file.write("Order NO:")
        file.write(row[0])
        file.write("\n")
        file.write("-----")
        file.write("\n")
        file.write("DRINKS:")
        file.write(row[1])
        file.write("\n")
        file.write("-----")
        file.write("\n")
        file.write("FRENCH FRIES:")
        file.write(row[2])
        file.write("\n")
        file.write("-----")
        file.write("\n")
```

```
file.write("LUNCH:")
file.write(row[3])
file.write("\n")
file.write("-----")
file.write("\n")
file.write("BURGER:")
file.write(row[4])
file.write("\n")
file.write("-----")
file.write("\n")
file.write("PIZZA:")
file.write(row[5])
file.write("\n")
file.write("-----")
file.write("\n")
file.write("CHEESE BURGER:")
file.write(row[6])
file.write("\n")
file.write("-----")
file.write("\n")
file.write("COUPON CODE:")
file.write(row[7])
file.write("\n")
file.write("-----")
file.write("\n")
file.write("COST:")
file.write(row[8])
file.write("\n")
file.write("-----")
file.write("\n")
file.write("SERVICE CHARGE:")
file.write(row[9])
file.write("\n")
file.write("-----")
file.write("\n")
```

```

        file.write("TAX:")
        file.write(row[10])
        file.write("\n")
        file.write("-----")
        file.write("\n")
        file.write("TOTAL BEFORE DISCOUNT:")
        file.write(row[11])
        file.write("\n")
        file.write("-----")
        file.write("\n")
        file.write("GRAND TOTAL:")
        file.write(row[12])
        file.write("\n")
        file.write("-----END-----")
        file.close()

#-----buttons-----
-----


lblTotal = Label(f1,text="-----",
"fg="white")
lblTotal.grid(row=7,columnspan=3)

btnTotal=Button(f1,padx=16,pady=8, bd=10
,fg="black",font=('ariel' ,16,'bold'),width=10,
text="TOTAL", bg="red",command=Ref)
btnTotal.grid(row=8, column=1)

btnclose=Button(f1,padx=16,pady=8, bd=10
,fg="black",font=('ariel' ,16,'bold'),width=10,
text="Save Bill", bg="red",command=add_val)
btnclose.grid(row=8, column=2)

btngenerate=Button(f1,padx=18,pady=8, bd=10
,fg="black",font=('ariel' ,16,'bold'),width=12,
text="Generate Invoice", bg="red",command=invoicefile)

```

```
btninvoice.grid(row=8, column=3)

btnreset=Button(f1,padx=16,pady=8, bd=10
,fg="black",font=('ariel' ,16,'bold'),width=10,
text="RESET", bg="red",command=reset)
btnreset.grid(row=8, column=4)

btnexit=Button(f1,padx=16,pady=8, bd=10
,fg="black",font=('ariel' ,16,'bold'),width=10,
text="EXIT", bg="red",command=qexit)
btnexit.grid(row=8, column=5)

def price():
    roo = Tk()
    roo.geometry("600x220+0+0")
    roo.title("Price List")
    lblinfo = Label(roo, font=('aria', 15, 'bold'),
text="ITEM", fg="black", bd=5)
    lblinfo.grid(row=0, column=0)
    lblinfo = Label(roo, font=('aria', 15,'bold'),
text="_ ", fg="white", anchor=W)
    lblinfo.grid(row=0, column=2)
    lblinfo = Label(roo, font=('aria', 15, 'bold'),
text="PRICE", fg="black", anchor=W)
    lblinfo.grid(row=0, column=3)
    lblinfo = Label(roo, font=('aria', 15, 'bold'),
text="French Fries", fg="steel blue", anchor=W)
    lblinfo.grid(row=1, column=0)
    lblinfo = Label(roo, font=('aria', 15, 'bold'),
text="25", fg="steel blue", anchor=W)
    lblinfo.grid(row=1, column=3)
    lblinfo = Label(roo, font=('aria', 15, 'bold'),
text="Lunch ", fg="steel blue", anchor=W)
    lblinfo.grid(row=2, column=0)
```

```
    lblinfo = Label(roo, font=('aria', 15, 'bold'),
text="40", fg="steel blue", anchor=W)
    lblinfo.grid(row=2, column=3)
    lblinfo = Label(roo, font=('aria', 15, 'bold'),
text="Burger ", fg="steel blue", anchor=W)
    lblinfo.grid(row=3, column=0)
    lblinfo = Label(roo, font=('aria', 15, 'bold'),
text="35", fg="steel blue", anchor=W)
    lblinfo.grid(row=3, column=3)
    lblinfo = Label(roo, font=('aria', 15, 'bold'),
text="Pizza ", fg="steel blue", anchor=W)
    lblinfo.grid(row=4, column=0)
    lblinfo = Label(roo, font=('aria', 15, 'bold'),
text="50", fg="steel blue", anchor=W)
    lblinfo.grid(row=4, column=3)
    lblinfo = Label(roo, font=('aria', 15, 'bold'),
text="Cheese Burger", fg="steel blue", anchor=W)
    lblinfo.grid(row=5, column=0)
    lblinfo = Label(roo, font=('aria', 15, 'bold'),
text="30", fg="steel blue", anchor=W)
    lblinfo.grid(row=5, column=3)
    lblinfo = Label(roo, font=('aria', 15, 'bold'),
text="Drinks", fg="steel blue", anchor=W)
    lblinfo.grid(row=6, column=0)
    lblinfo = Label(roo, font=('aria', 15, 'bold'),
text="35", fg="steel blue", anchor=W)
    lblinfo.grid(row=6, column=3)

    roo.mainloop()

btnprice=Button(f1,padx=16,pady=8, bd=10
,fg="black",font=('ariel' ,16,'bold'),width=10,
text="PRICE", bg="red",command=price)
btnprice.grid(row=8, column=0)
root.mainloop()
```

