COMPUTER SCIENCE

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Kendriya Vidyalaya Fort William Kolkata

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PROJECT ON

Food Billing System

Class-12

Computer Science

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Content

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INTRODUCTION

“FOOD BILLING SYSTEM” This project is useful for big or small restaurants or clubs. It can track the record of customer, club members coming and using restaurant/club services. Advent of digital age has enabled us to manage enormous amount of information at our fingertips and is hassle free. Our project to support the same notion and is easy to use with little knowledge. Our project emphasis on the creation of new customer details, managing customer information and applying offers on the basis.

OBJECTIVES OF THE PROJECT

The objective of this project is to let the students apply the programming knowledge into a real-world situation/problem and exposed the students how programming skills helps in developing a good software.

1. ***Write programs utilizing modern software tools.***
2. ***Apply object-oriented programming principles effectively when developing small to medium sized projects.***
3. ***Write effective procedural code to solve small to medium sized problems.***
4. ***Students will demonstrate a breadth of knowledge in computer science, as exemplified in the areas of systems, theory and software development.***
5. ***Students will demonstrate ability to conduct a research or applied Computer Science project, requiring writing and presentation skills which exemplify scholarly style in computer science.***

Source Code

```
name=str(input("enter name of customer:"))
date_of_purchase = input("enter date of purchase")
p=int(input("enter phone number"))
c=int(input("customer id"))
from tkinter import *
import time
import datetime
import random
time.sleep(2)
root =Tk()
root.geometry("1350x750+0+0")
root.title("Food Billing System")
root.configure(background='orange')


Tops = Frame(root,bg='orange',bd=20,pady=5,relief=RIDGE)
Tops.pack(side=TOP)


lblTitle=Label(Tops,font=('arial',60,'bold'),text='Food Billing
System',bd=21,bg='black',
            fg='cornsilk',justify=CENTER)
lblTitle.grid(row=0)
```

```
ReceiptCal_F = Frame(root,bg='orange',bd=10,relief=RIDGE)
ReceiptCal_F.pack(side=RIGHT)

Buttons_F=Frame(ReceiptCal_F,bg='orange',bd=3,relief=RIDGE)
Buttons_F.pack(side=BOTTOM)

Cal_F=Frame(ReceiptCal_F,bg='orange',bd=6,relief=RIDGE)
Cal_F.pack(side=TOP)

Receipt_F=Frame(ReceiptCal_F,bg='orange',bd=4,relief=RIDGE)
Receipt_F.pack(side=BOTTOM)

MenuFrame = Frame(root,bg='orange',bd=10,relief=RIDGE)
MenuFrame.pack(side=LEFT)
Cost_F=Frame(MenuFrame,bg='orange',bd=4)
Cost_F.pack(side=BOTTOM)
Drinks_F=Frame(MenuFrame,bg='orange',bd=4)
Drinks_F.pack(side=TOP)



Drinks_F=Frame(MenuFrame,bg='orange',bd=4,relief=RIDGE)
Drinks_F.pack(side=LEFT)
Food_F=Frame(MenuFrame,bg='orange',bd=4,relief=RIDGE)
Food_F.pack(side=RIGHT)
```

##variables##

```
var1=IntVar()
var2=IntVar()
var3=IntVar()
var4=IntVar()
var5=IntVar()
var6=IntVar()
var7=IntVar()
var8=IntVar()
var9=IntVar()
var10=IntVar()
var11=IntVar()
var12=IntVar()
var13=IntVar()
var14=IntVar()
var15=IntVar()
var16=IntVar()

DateofOrder = StringVar()
Receipt_Ref = StringVar()
PaidTax = StringVar()
SubTotal = StringVar()
TotalCost = StringVar()
```

```
CostofFood = StringVar()
CostofDrinks = StringVar()
ServiceCharge = StringVar()

text_Input = StringVar()
operator = ""

E_Sprite = StringVar()
E_Pepsi = StringVar()
E_DietCoke = StringVar()
E_Mojito = StringVar()
E_Cappuccino = StringVar()
E_Fanta = StringVar()
E_CocaCola = StringVar()
E_ColdCoffee = StringVar()

E_HotDog = StringVar()
E_VegBurger = StringVar()
E_Pasta = StringVar()
E_HamBurger = StringVar()
E_Sandwich = StringVar()
E_Fires = StringVar()
E_Spagetti = StringVar()
E_Fazitas = StringVar()
```

```
E_Sprite.set("0")
E_Pepsi.set("0")
E_DietCoke.set("0")
E_Mojito.set("0")
E_Cappuccino.set("0")
E_Fanta.set("0")
E_CocaCola.set("0")
E_ColdCoffee.set("0")


E_HotDog.set("0")
E_VegBurger.set("0")
E_Pasta.set("0")
E_HamBurger.set("0")
E_Sandwich.set("0")
E_Fires.set("0")
E_Spagetti.set("0")
E_Fazitas.set("0")


DateofOrder.set(time.strftime("%d/%m/%y"))


##########################################Function
Declaration##################################################
#####


def iExit():
```

```
    iExit=tkinter.messagebox.askyesno("Exit Restaurant
System","Confirm if you want to exit")
    if iExit > 0:
        root.destroy()
        return


def Reset():


    PaidTax.set("")
    SubTotal.set("")
    TotalCost.set("")
    CostofFood.set("")
    CostofDrinks.set("")
    ServiceCharge.set("")
    txtReceipt.delete("1.0",END)



    E_Sprite.set("0")
    E_Pepsi.set("0")
    E_DietCoke.set("0")
    E_Mojito.set("0")
    E_Cappuccino.set("0")
    E_Fanta.set("0")
    E_CocaCola.set("0")
    E_ColdCoffee.set("0")
```

```
E_HotDog.set("0")
E_VegBurger.set("0")
E_Pasta.set("0")
E_HamBurger.set("0")
E_Sandwich.set("0")
E_Fires.set("0")
E_Spagetti.set("0")
E_Fazitas.set("0")

var1.set(0)
var2.set(0)
var3.set(0)
var4.set(0)
var5.set(0)
var6.set(0)
var7.set(0)
var8.set(0)
var9.set(0)
var10.set(0)
var11.set(0)
var12.set(0)
var13.set(0)
var14.set(0)
var15.set(0)
```

```
    var16.set(0)



    txtSprite.configure(state=DISABLED)
    txtPepsi.configure(state=DISABLED)
    txtDietCoke.configure(state=DISABLED)
    txtMojito.configure(state=DISABLED)
    txtCappuccino.configure(state=DISABLED)
    txtFanta.configure(state=DISABLED)
    txtCocaCola.configure(state=DISABLED)
    txtColdCoffee.configure(state=DISABLED)
    txtHotDog.configure(state=DISABLED)
    txtVegBurger.configure(state=DISABLED)
    txtPasta.configure(state=DISABLED)
    txtHamBurger.configure(state=DISABLED)
    txtSandwich.configure(state=DISABLED)
    txtFires.configure(state=DISABLED)
    txtSpagetti.configure(state=DISABLED)
    txtFazitas.configure(state=DISABLED)

def CostofItem():
    Item1=float(E_Sprite.get())
    Item2=float(E_Pepsi.get())
    Item3=float(E_DietCoke.get())
    Item4=float(E_Mojito.get())
```

```
    Item5=float(E_Cappuccino.get())
    Item6=float(E_Fanta.get())
    Item7=float(E_CocaCola.get())
    Item8=float(E_ColdCoffee.get())


    Item9=float(E_HotDog.get())
    Item10=float(E_VegBurger.get())
    Item11=float(E_Pasta.get())
    Item12=float(E_HamBurger.get())
    Item13=float(E_Sandwich.get())
    Item14=float(E_Fires.get())
    Item15=float(E_Spagetti.get())
    Item16=float(E_Fazitas.get())


    PriceofDrinks =(Item1 * 65) + (Item2 * 75) + (Item3 * 99) +
(Item4 * 130) + (Item5 * 180) + (Item6 * 75) + (Item7 * 75) + (Item8
* 89)


    PriceofFood =(Item9 * 260) + (Item10 * 175) + (Item11 * 255) +
(Item12 * 480) + (Item13 * 240) + (Item14 * 110) + (Item15 * 340) +
(Item16 * 213)




    DrinksPrice = "Rs",str('%.2f'%(PriceofDrinks))
    FoodPrice =  "Rs",str('%.2f'%(PriceofFood))
```

```
    CostofFood.set(FoodPrice)
    CostofDrinks.set(DrinksPrice)
    SC = "Rs",str('%.2f'%(1.59))
    ServiceCharge.set(SC)

    SubTotalofITEMS = "Rs",str('%.2f'%(PriceofDrinks + PriceofFood
+ 1.59))
    SubTotal.set(SubTotalofITEMS)

    Tax = "Rs",str('%.2f'%((PriceofDrinks + PriceofFood + 1.59) *
0.15))
    PaidTax.set(Tax)

    TT=((PriceofDrinks + PriceofFood + 1.59) * 0.15)
    TC="Rs",str('%.2f'%(PriceofDrinks + PriceofFood + 1.59 + TT))
    TotalCost.set(TC)
    print("the total cost is:",TC)
    print("the total taxed amount is:",Tax)


def chkSprite():
    if(var1.get() == 1):
        txtSprite.configure(state = NORMAL)
        txtSprite.focus()
        txtSprite.delete('0',END)
```

```
        E_Sprite.set("")
    elif(var1.get() == 0):
        txtSprite.configure(state = DISABLED)
        E_Sprite.set("0")

def chkPepsi():
    if(var2.get() == 1):
        txtPepsi.configure(state = NORMAL)
        txtPepsi.focus()
        txtPepsi.delete('0',END)
        E_Pepsi.set("")
    elif(var2.get() == 0):
        txtPepsi.configure(state = DISABLED)
        E_Pepsi.set("0")

def chk_DietCoke():
    if(var3.get() == 1):
        txtDietCoke.configure(state = NORMAL)
        txtDietCoke.delete('0',END)
        txtDietCoke.focus()
    elif(var3.get() == 0):
        txtDietCoke.configure(state = DISABLED)
        E_DietCoke.set("0")

def chk_Mojito():
```

```
    if(var4.get() == 1):
        txtMojito.configure(state = NORMAL)
        txtMojito.delete('0',END)
        txtMojito.focus()
    elif(var4.get() == 0):
        txtMojito.configure(state = DISABLED)
        E_Mojito.set("0")

def chk_Cappuccino():
    if(var5.get() == 1):
        txtCappuccino.configure(state = NORMAL)
        txtCappuccino.delete('0',END)
        txtCappuccino.focus()
    elif(var5.get() == 0):
        txtCappuccino.configure(state = DISABLED)
        E_Cappuccino.set("0")

def chk_Fanta():
    if(var6.get() == 1):
        txtFanta.configure(state = NORMAL)
        txtFanta.delete('0',END)
        txtFanta.focus()
    elif(var6.get() == 0):
        txtFanta.configure(state = DISABLED)
        E_Fanta.set("0")
```

```
def chk_CocaCola():
    if(var7.get() == 1):
        txtCocaCola.configure(state = NORMAL)
        txtCocaCola.delete('0',END)
        txtCocaCola.focus()
    elif(var7.get() == 0):
        txtCocaCola.configure(state = DISABLED)
        E_CocaCola.set("0")

def chk_ColdCoffee():
    if(var8.get() == 1):
        txtColdCoffee.configure(state = NORMAL)
        txtColdCoffee.delete('0',END)
        txtColdCoffee.focus()
    elif(var8.get() == 0):
        txtColdCoffee.configure(state = DISABLED)
        E_ColdCoffee.set("0")

def chk_HotDog():
    if(var9.get() == 1):
        txtHotDog.configure(state = NORMAL)
        txtHotDog.delete('0',END)
        txtHotDog.focus()
    elif(var9.get() == 0):
```

```
        txtHotDog.configure(state = DISABLED)
        E_HotDog.set("0")

def chk_VegBurger():
    if(var10.get() == 1):
        txtVegBurger.configure(state = NORMAL)
        txtVegBurger.delete('0',END)
        txtVegBurger.focus()
    elif(var10.get() == 0):
        txtVegBurger.configure(state = DISABLED)
        E_VegBurger.set("0")

def chk_Pasta():
    if(var11.get() == 1):
        txtPasta.configure(state = NORMAL)
        txtPasta.delete('0',END)
        txtPasta.focus()
    elif(var11.get() == 0):
        txtPasta.configure(state = DISABLED)
        E_Pasta.set("0")

def chk_HamBurger():
    if(var12.get() == 1):
        txtHamBurger.configure(state = NORMAL)
        txtHamBurger.delete('0',END)
```

```
        txtHamBurger.focus()
    elif(var12.get() == 0):
        txtHamBurger.configure(state = DISABLED)
        E_HamBurger.set("0")

def chk_Sandwich():
    if(var13.get() == 1):
        txtSandwich.configure(state = NORMAL)
        txtSandwich.delete('0',END)
        txtSandwich.focus()
    elif(var13.get() == 0):
        txtSandwich.configure(state = DISABLED)
        E_Sandwich.set("0")

def chk_Fires():
    if(var14.get() == 1):
        txtFires.configure(state = NORMAL)
        txtFires.delete('0',END)
        txtFires.focus()
    elif(var14.get() == 0):
        txtFires.configure(state = DISABLED)
        E_Fires.set("0")

def chk_Spagetti():
    if(var15.get() == 1):
```

```
        txtSpagetti.configure(state = NORMAL)
        txtSpagetti.delete('0',END)
        txtSpagetti.focus()
    elif(var15.get() == 0):
        txtSpagetti.configure(state = DISABLED)
        E_Spagetti.set("0")

def chk_Fazitas():
    if(var16.get() == 1):
        txtFazitas.configure(state = NORMAL)
        txtFazitas.delete('0',END)
        txtFazitas.focus()
    elif(var16.get() == 0):
        txtFazitas.configure(state = DISABLED)
        E_Fazitas.set("0")

def Receipt():
    txtReceipt.delete("1.0",END)
    x=random.randint(10908,500876)
    randomRef= str(x)
    Receipt_Ref.set("Bill"+ randomRef)


    txtReceipt.insert(END,'Receipt Ref:\t\t\t'+Receipt_Ref.get() +'\t'+
DateofOrder.get() +'\n')
```

```
    txtReceipt.insert(END,'Items\t\t\t\t'+"Cost of Items \n")
    txtReceipt.insert(END,'Sprite:\t\t\t\t\t' + E_Sprite.get() +'\n')
    txtReceipt.insert(END,'Pepsi:\t\t\t\t\t'+ E_Pepsi.get()+'\n')
    txtReceipt.insert(END,'DietCoke:\t\t\t\t\t'+ E_DietCoke.get()+'\n')
    txtReceipt.insert(END,'Mojito:\t\t\t\t\t'+ E_Mojito.get()+'\n')
    txtReceipt.insert(END,'Cappuccino:\t\t\t\t\t'+
E_Cappuccino.get()+'\n')
    txtReceipt.insert(END,'Fanta:\t\t\t\t\t'+ E_Fanta.get()+'\n')
    txtReceipt.insert(END,'CocaCola:\t\t\t\t\t'+ E_CocaCola.get()+'\n')
    txtReceipt.insert(END,'ColdCoffee:\t\t\t\t\t'+
E_ColdCoffee.get()+'\n')
    txtReceipt.insert(END,'HotDog:\t\t\t\t\t'+ E_HotDog.get()+'\n')
    txtReceipt.insert(END,'VegBurger:\t\t\t\t\t'+
E_VegBurger.get()+'\n')
    txtReceipt.insert(END,'Pasta:\t\t\t\t\t'+ E_Pasta.get()+'\n')
    txtReceipt.insert(END,'HamBurger:\t\t\t\t\t'+
E_HamBurger.get()+'\n')
    txtReceipt.insert(END,'Sandwich:\t\t\t\t\t'+ E_Sandwich.get()+'\n')
    txtReceipt.insert(END,'Fires:\t\t\t\t\t'+ E_Fires.get()+'\n')
    txtReceipt.insert(END,'Spagetti:\t\t\t\t\t'+ E_Spagetti.get()+'\n')
    txtReceipt.insert(END,'Fazitas:\t\t\t\t\t'+ E_Fazitas.get()+'\n')
    txtReceipt.insert(END,'Cost of Drinks:\t\t\t\t\t'+
CostofDrinks.get()+'\nTax Paid:\t\t\t\t'+PaidTax.get()+"\n")
    txtReceipt.insert(END,'Cost of Foods:\t\t\t\t'+
CostofFood.get()+'\nSubTotal:\t\t\t\t'+str(SubTotal.get())+"\n")
    txtReceipt.insert(END,'Service Charge:\t\t\t\t'+
ServiceCharge.get()+'\nTotal Cost:\t\t\t\t'+str(TotalCost.get())+"\n")
```

```
##########################################Drinks#########
#########################################################
###
Sprite=Checkbutton(Drinks_F,text='Sprite',variable=var1,onvalue=1,
offvalue=0,font=('arial',18,'bold'),
                bg='orange',command=chkSprite).grid(row=0,sticky=W)
Pepsi=Checkbutton(Drinks_F,text='Pepsi',variable=var2,onvalue=1,of
fvalue=0,font=('arial',18,'bold'),
                bg='orange',command=chkPepsi).grid(row=1,sticky=W)
DietCoke=Checkbutton(Drinks_F,text='DietCoke',variable=var3,onva
lue=1,offvalue=0,font=('arial',18,'bold'),

bg='orange',command=chk_DietCoke).grid(row=2,sticky=W)
Mojito=Checkbutton(Drinks_F,text='Mojito',variable=var4,onvalue=1
,offvalue=0,font=('arial',18,'bold'),

bg='orange',command=chk_Mojito).grid(row=3,sticky=W)
Cappuccino=Checkbutton(Drinks_F,text='Cappuccino',variable=var5,
onvalue=1,offvalue=0,font=('arial',18,'bold'),

bg='orange',command=chk_Cappuccino).grid(row=4,sticky=W)
Fanta=Checkbutton(Drinks_F,text='Fanta',variable=var6,onvalue=1,o
ffvalue=0,font=('arial',18,'bold'),
                bg='orange',command=chk_Fanta).grid(row=5,sticky=W)
CocaCola=Checkbutton(Drinks_F,text='CocaCola',variable=var7,onv
alue=1,offvalue=0,font=('arial',18,'bold'),
```

```
bg='orange',command=chk_CocaCola).grid(row=6,sticky=W)

ColdCoffee=Checkbutton(Drinks_F,text='ColdCoffee',variable=var8,
onvalue=1,offvalue=0,font=('arial',18,'bold'),

bg='orange',command=chk_ColdCoffee).grid(row=7,sticky=W)

##############################################Drink
Entry#####################################################
############

txtSprite =
Entry(Drinks_F,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,st
ate=DISABLED

                ,textvariable=E_Sprite)

txtSprite.grid(row=0,column=1)


txtPepsi =
Entry(Drinks_F,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,st
ate=DISABLED

                ,textvariable=E_Pepsi)

txtPepsi.grid(row=1,column=1)


txtDietCoke =
Entry(Drinks_F,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,st
ate=DISABLED

                ,textvariable=E_DietCoke)

txtDietCoke.grid(row=2,column=1)
```

```
txtMojito=
Entry(Drinks_F,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,st
ate=DISABLED
                ,textvariable=E_Mojito)
txtMojito.grid(row=3,column=1)


txtCappuccino =
Entry(Drinks_F,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,st
ate=DISABLED
                ,textvariable=E_Cappuccino)
txtCappuccino.grid(row=4,column=1)


txtFanta =
Entry(Drinks_F,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,st
ate=DISABLED
                ,textvariable=E_Fanta)
txtFanta.grid(row=5,column=1)


txtCocaCola =
Entry(Drinks_F,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,st
ate=DISABLED
                ,textvariable=E_CocaCola)
txtCocaCola.grid(row=6,column=1)


txtColdCoffee =
Entry(Drinks_F,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,st
ate=DISABLED
                ,textvariable=E_ColdCoffee)
```

```
txtColdCoffee.grid(row=7,column=1)

##############################################Foods#####
##########################################################
########

HotDog = Checkbutton(Food_F,text="HotDog\t\t\t
",variable=var9,onvalue = 1, offvalue=0,

font=('arial',16,'bold'),bg='orange',command=chk_HotDog).grid(row=
0,sticky=W)

VegBurger =
Checkbutton(Food_F,text="VegBurger",variable=var10,onvalue = 1,
offvalue=0,

font=('arial',16,'bold'),bg='orange',command=chk_VegBurger).grid(ro
w=1,sticky=W)

Pasta = Checkbutton(Food_F,text="Pasta ",variable=var11,onvalue =
1, offvalue=0,

font=('arial',16,'bold'),bg='orange',command=chk_Pasta).grid(row=2,s
ticky=W)

HamBurger = Checkbutton(Food_F,text="Rice Plate
",variable=var12,onvalue = 1, offvalue=0,

font=('arial',16,'bold'),bg='orange',command=chk_HamBurger).grid(r
ow=3,sticky=W)

Sandwich = Checkbutton(Food_F,text="Sandwich
",variable=var13,onvalue = 1, offvalue=0,
```

```
font=('arial',16,'bold'),bg='orange',command=chk_Sandwich).grid(row=4,sticky=W)

Fires = Checkbutton(Food_F,text="Fires ",variable=var14,onvalue = 1, offvalue=0,


font=('arial',16,'bold'),bg='orange',command=chk_Fires).grid(row=5,sticky=W)

Spagetti = Checkbutton(Food_F,text="Spagetti ",variable=var15,onvalue = 1, offvalue=0,


font=('arial',16,'bold'),bg='orange',command=chk_Spagetti).grid(row=6,sticky=W)

Fazitas = Checkbutton(Food_F,text="Fazitas ",variable=var16,onvalue = 1, offvalue=0,


font=('arial',16,'bold'),bg='orange',command=chk_Fazitas).grid(row=7,sticky=W)

##################################################Entry Box For Cake##################################################

txtHotDog=Entry(Food_F,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,state=DISABLED,

                textvariable=E_HotDog)

txtHotDog.grid(row=0,column=1)


txtVegBurger=Entry(Food_F,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,state=DISABLED,
```

```
                textvariable=E_VegBurger)
txtVegBurger.grid(row=1,column=1)


txtPasta=Entry(Food_F,font=('arial',16,'bold'),bd=8,width=6,justify=L
EFT,state=DISABLED,
                textvariable=E_Pasta)
txtPasta.grid(row=2,column=1)


txtHamBurger=Entry(Food_F,font=('arial',16,'bold'),bd=8,width=6,jus
tify=LEFT,state=DISABLED,
                textvariable=E_HamBurger)
txtHamBurger.grid(row=3,column=1)


txtSandwich=Entry(Food_F,font=('arial',16,'bold'),bd=8,width=6,justi
fy=LEFT,state=DISABLED,
                textvariable=E_Sandwich)
txtSandwich.grid(row=4,column=1)


txtFires=Entry(Food_F,font=('arial',16,'bold'),bd=8,width=6,justify=L
EFT,state=DISABLED,
                textvariable=E_Fires)
txtFires.grid(row=5,column=1)


txtSpagetti=Entry(Food_F,font=('arial',16,'bold'),bd=8,width=6,justify
=LEFT,state=DISABLED,
                textvariable=E_Spagetti)
```

```
txtSpagetti.grid(row=6,column=1)


txtFazitas=Entry(Food_F,font=('arial',16,'bold'),bd=8,width=6,justify
=LEFT,state=DISABLED,
                 textvariable=E_Fazitas)
txtFazitas.grid(row=7,column=1)
##############################################ToTal
Cost#########################################################
##############################
lblCostofDrinks=Label(Cost_F,font=('arial',14,'bold'),text='Cost of
Drinks\t',bg='orange',
          fg='black',justify=CENTER)
lblCostofDrinks.grid(row=0,column=0,sticky=W)
txtCostofDrinks=Entry(Cost_F,bg='white',bd=7,font=('arial',14,'bold')
,

insertwidth=2,justify=RIGHT,textvariable=CostofDrinks)
txtCostofDrinks.grid(row=0,column=1)


lblCostofFood=Label(Cost_F,font=('arial',14,'bold'),text='Cost of
Foods  ',bg='orange',
          fg='black',justify=CENTER)
lblCostofFood.grid(row=1,column=0,sticky=W)
txtCostofFood=Entry(Cost_F,bg='white',bd=7,font=('arial',14,'bold'),

insertwidth=2,justify=RIGHT,textvariable=CostofFood)
txtCostofFood.grid(row=1,column=1)
```

```
lblServiceCharge=Label(Cost_F,font=('arial',14,'bold'),text='Service
Charge',bg='orange',
        fg='black',justify=CENTER)
lblServiceCharge.grid(row=2,column=0,sticky=W)
txtServiceCharge=Entry(Cost_F,bg='white',bd=7,font=('arial',14,'bold'
),

insertwidth=2,justify=RIGHT,textvariable=ServiceCharge)
txtServiceCharge.grid(row=2,column=1)
##########################################################
###Payment
information##############################################
#####

lblPaidTax=Label(Cost_F,font=('arial',14,'bold'),text='\tPaid
Tax',bg='orange',bd=7,
        fg='black',justify=CENTER)
lblPaidTax.grid(row=0,column=2,sticky=W)
txtPaidTax=Entry(Cost_F,bg='white',bd=7,font=('arial',14,'bold'),
            insertwidth=2,justify=RIGHT,textvariable=PaidTax)
txtPaidTax.grid(row=0,column=3)

lblSubTotal=Label(Cost_F,font=('arial',14,'bold'),text='\tSub
Total',bg='orange',bd=7,
        fg='black',justify=CENTER)
lblSubTotal.grid(row=1,column=2,sticky=W)
```

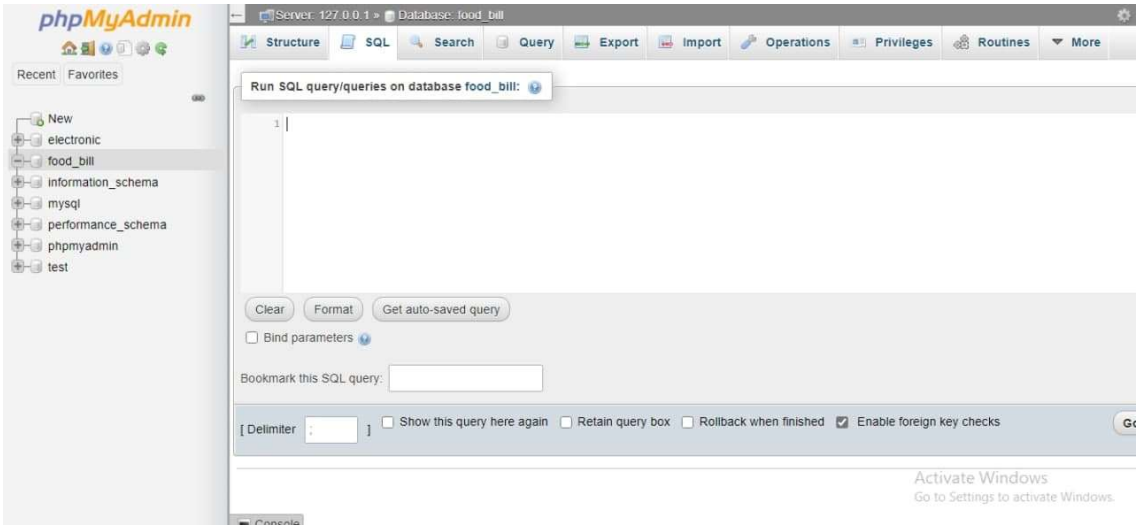
```
txtSubTotal=Entry(Cost_F,bg='white',bd=7,font=('arial',14,'bold'),
                  insertwidth=2,justify=RIGHT,textvariable=SubTotal)
txtSubTotal.grid(row=1,column=3)


lblTotalCost=Label(Cost_F,font=('arial',14,'bold'),text='\tTotal',bg='or
ange',bd=7,
            fg='black',justify=CENTER)
lblTotalCost.grid(row=2,column=2,sticky=W)
txtTotalCost=Entry(Cost_F,bg='white',bd=7,font=('arial',14,'bold'),
                  insertwidth=2,justify=RIGHT,textvariable=TotalCost)
txtTotalCost.grid(row=2,column=3)


##############################################RECEIPT###
##########################################################
####################
txtReceipt=Text(Receipt_F,width=46,height=12,bg='white',bd=4,font
=('arial',12,'bold'))
txtReceipt.grid(row=0,column=0)



##############################################BUTTONS####
##########################################################
####################
btnTotal=Button(Buttons_F,padx=16,pady=1,bd=7,fg='black',font=('a
rial',16,'bold'),width=4,text='Total',

bg='orange',command=CostofItem).grid(row=0,column=0)
```

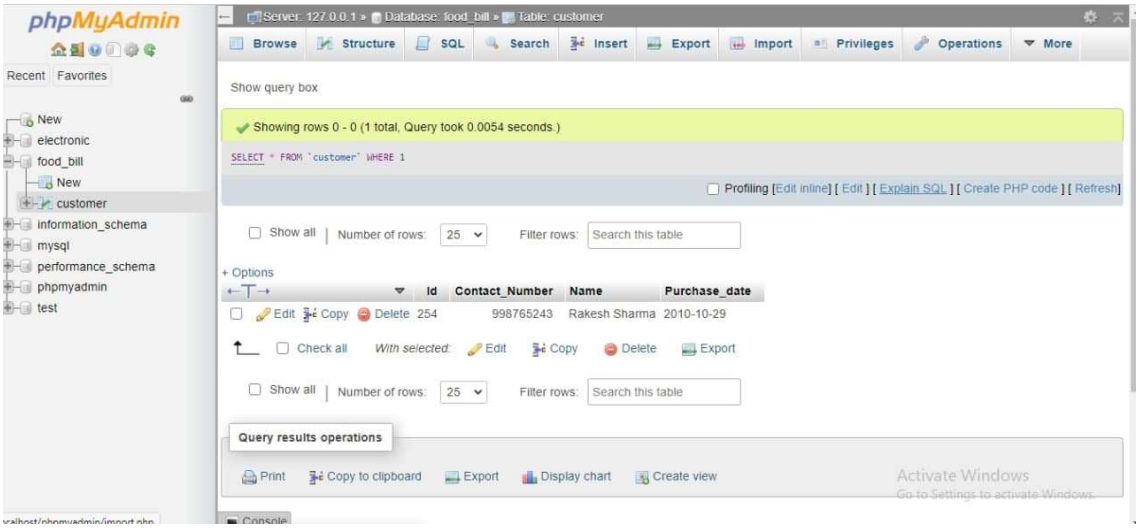
```
btnReceipt=Button(Buttons_F,padx=16,pady=1,bd=7,fg='black',font=
('arial',16,'bold'),width=4,text='Receipt',


bg='orange',command=Receipt).grid(row=0,column=1)

btnReset=Button(Buttons_F,padx=16,pady=1,bd=7,fg='black',font=('a
rial',16,'bold'),width=4,text='Reset',

                bg='orange',command=Reset).grid(row=0,column=2)

btnExit=Button(Buttons_F,padx=16,pady=1,bd=7,fg='black',font=('ar
ial',16,'bold'),width=4,text='Exit',

                bg='orange',command=iExit).grid(row=0,column=3)


####################################Calculator
Display##################################################
##############################



def btnClick(numbers):
    global operator
    operator = operator + str(numbers)
    text_Input.set(operator)


def btnClear():
    global operator
    operator = ""
    text_Input.set("")
```

```
def btnEquals():
    global operator
    sumup = str(eval(operator))
    text_Input.set(sumup)
    operator = ""


import mysql.connector
from mysql.connector import Error
def store(c,p,name,date_of_purchase):
    try:
        connection=mysql.connector.connect(host='localhost',
                                           database='food_bill',
                                           user='root',
                                           password='')
        str = "INSERT INTO Customer VALUES (%s, %s,%s,%s)"
        val=(c,p,name,date_of_purchase)
        cursor = connection.cursor()
        result = cursor.execute(str,val)
        connection.commit()
        print("1 Row Inserted in Customer Table created successfully ")

    except mysql.connector.Error as error:
        print("Failed to create table in MySQL: {}".format(error))
    finally:
        if (connection.is_connected()):
```

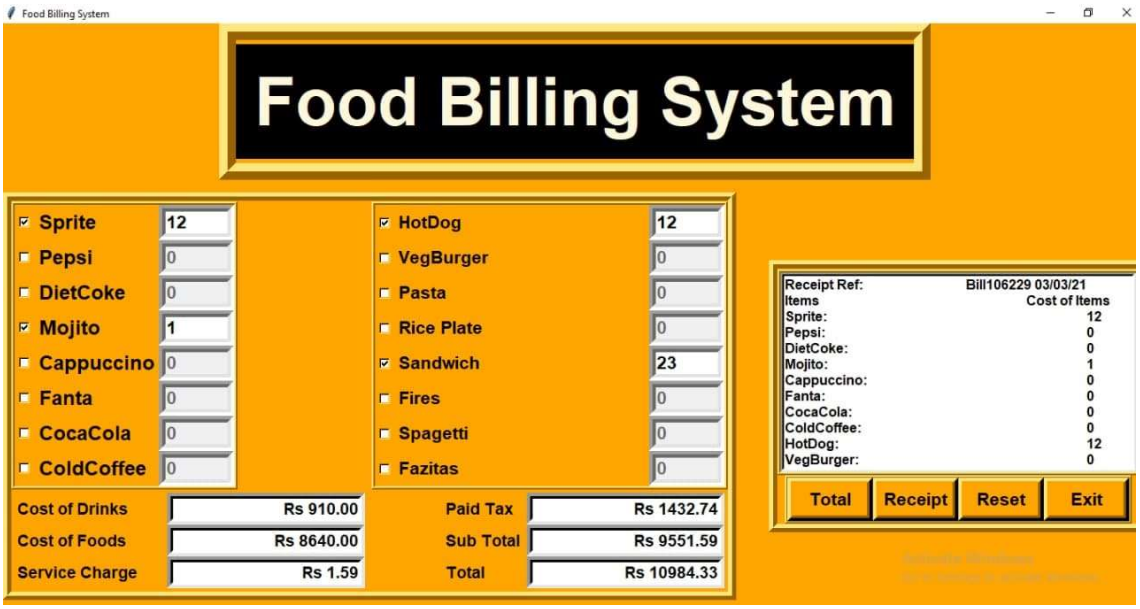
```
        cursor.close()
        connection.close()
        print("MySQL connection is closed")
store(c,p,name,date_of_purchase)
```

Database and Table





Python Output Screen



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