**System Implementations**

**Recommended System Requirements**

Processors: Intel® Core™ i3 processor 4300M at 2.60 GHz.

Disk space: 4 to 8 GB.

Operating systems: Windows® 10, MACOS, and UBUNTU.

Python Versions: 3.X.X or Higher.

**Minimum System Requirements**

Processors: Intel Atom® processor or Intel® Core™ i3 processor.

Disk space: 1 GB.

Operating systems: Windows 7 or later, MACOS, and UBUNTU.

Python Versions: 2.7.X, 3.9.X.

**ACKNOWLEDGEMENT**TTT

First and foremost, praises and thanks to the God, the Almighty, for His showers of blessings throughout my research work to complete the research successfully.

We would like to express my deep and sincere gratitude to my subject teacher, **Mr. Amit Udiwal**, for giving me the opportunity to do research and providing invaluable guidance throughout this research. His dynamism, vision, sincerity and motivation have deeply inspired me. He has taught me the methodology to carry out the research and to present the research works as clearly as and honour to work and study under his guidance. We are very much thankful to our **Sr. Jasmin** for giving valuable time and moral support to develop this software. We would like to take opportunity to extend my sincere thanks and gratitude to our parents for being a source of inspiration and providing time and freedom to develop this software project. We also feel indebted to my friends for the valuable suggestions during the project work.

Vikas Anjana

[Roll No.

Class XII

**CERTIFICATE**

This is to certify that the project on ‘Restaurant Billing System’ is a work done by Hariom Anjana fulfilment of CBSE’S AISSCE EXAMINATION 2022-23 and has been carried out under my direct supervision and guidance. This report or a similar report on the topic has not been submitted for any other examination and does not form any other examination and does not form any other course undergone by the candidate.

Name: Hariom Anjana [Roll No.

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Signature of Teacher / Guide

Name: Mr. Amit Udiwal

Designation:

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**REFERENCE**

The order to work on this project on ‘Restaurant Billing System’ the following books & literature are referred by me during the various phrases of department of the project.

• http://www.python.org/.

• http://www.itsourcecode.org/.

• http://www.wikipedia.org/.

• Informatics Practices for Class XII

- By Sumita Arora

• Together with informatics practices.

Other than the above mentioned books, the suggestions and supervision of my teacher and my class experience also helped me to develop this software project.

**Introduction**

This Restaurant Billing System in Python is primarily concerned with dealing with client payment information in conjunction with their specific food orders and amounts. Additionally, the system provides for the selection of food and beverage products for computation and quantity entry. However, the project simply comprises an Admin Panel in this case. In a nutshell, the system user must choose a specific food or beverage item, enter a quantity, and calculate the entire cost.

Furthermore, the Restaurant Billing Program in Python calculates the final bill amount including tax. A bill receipt with a reference number is also generated by the system. Additionally, the system has a small calculator that allows the user to conduct elementary math calculations. As a result, this small project can complete all of the necessary processes for calculating the customer’s entire bill amount.

**Objective and**

**Scope of The Project**

This Restaurant Billing System project in Python focuses mainly on dealing with customer’s payment details with their respective food orders and amounts. Also, the system allows the selection of food and drink items for calculation and entering the quantities. But here, the project only contains Admin Panel. In an overview of this app, the system user has to select a particular food and drink item, enter a certain quantity and generate the total cost. In addition, the system generates the total bill amount with tax. Besides, the system also generates a bill receipt with a reference number. Additionally, the system also contains a mini calculator where the user can perform simple mathematics for calculation too.

***Functions:***

* Food and Drinks selection
* Total amount with tax
* Service charge
* Cash and Remaining amounts
* Mini calculator
* Bill receipt

**Restaurant Billing System**

from tkinter import \*

import time

import random

import tkinter.messagebox

root =Tk()

root.geometry("1400x750+0+0")

root.title("Restaurant Billing System")

root.configure(background='sky blue')

Tops = Frame(root, bg='dark blue', bd=25, pady=20, relief=GROOVE)

Tops.pack(side=TOP)

lblTitle = Label(Tops, font=('arial', 30, 'bold'), text='Restaurant Billing System', bd=15, bg='sky blue',

fg='dark blue', justify=CENTER)

lblTitle.grid(row=0)

ReceiptCal\_Function = Frame(root, bg='dark blue', bd=10, relief=GROOVE)

ReceiptCal\_Function.pack(side=LEFT)

Buttons\_Function = Frame(ReceiptCal\_Function, bg='dark blue', bd=3, relief=GROOVE)

Buttons\_Function.pack(side=TOP)

Calculator\_Function = Frame(ReceiptCal\_Function, bg='dark blue', bd=6, relief=GROOVE)

Calculator\_Function.pack(side=BOTTOM)

Receipt\_Function = Frame(ReceiptCal\_Function, bg='dark blue', bd=4, relief=GROOVE)

Receipt\_Function.pack(side=BOTTOM)

MenuFrame = Frame(root, bg='dark blue', bd=32, relief=GROOVE)

MenuFrame.pack(side=RIGHT)

Total\_Function = Frame(MenuFrame, bg='sky blue', bd=4)

Total\_Function.pack(side=BOTTOM)

Drinks\_Function = Frame(MenuFrame,bg='sky blue',bd=4)

Drinks\_Function.pack(side=TOP)

Drinks\_Function = Frame(MenuFrame, bg='sky blue', bd=4, relief=GROOVE)

Drinks\_Function.pack(side=LEFT)

Food\_Function = Frame(MenuFrame, bg='sky blue', bd=4, relief=GROOVE)

Food\_Function.pack(side=RIGHT)

# variables

variable1 = IntVar()

variable2 = IntVar()

variable3 = IntVar()

variable4 = IntVar()

variable5 = IntVar()

variable6 = IntVar()

variable7 = IntVar()

variable8 = IntVar()

variable9 = IntVar()

variable10 = IntVar()

variable11 = IntVar()

variable12 = IntVar()

variable13 = IntVar()

variable14 = IntVar()

variable15 = IntVar()

variable16 = IntVar()

Date\_of\_Order = StringVar()

Receipt\_Ref = StringVar()

PaidTax = StringVar()

SubTotal = StringVar()

TotalCost = StringVar()

Total\_of\_Food = StringVar()

Total\_of\_Drinks = StringVar()

ServiceCharge = StringVar()

text\_Input = StringVar()

operator = ""

cocktail = StringVar()

iced\_tea = StringVar()

hot\_chocolate = StringVar()

orange\_juice = StringVar()

milkshake = StringVar()

mountain\_dew = StringVar()

sting = StringVar()

cobra = StringVar()

fried\_chicken = StringVar()

kare\_kare = StringVar()

crispy\_pata = StringVar()

sinigang\_baboy = StringVar()

sinigang\_hipon = StringVar()

bicol\_express = StringVar()

asparagus\_tofu = StringVar()

chicken\_sisig = StringVar()

cocktail.set("0")

iced\_tea.set("0")

hot\_chocolate.set("0")

orange\_juice.set("0")

milkshake.set("0")

mountain\_dew.set("0")

sting.set("0")

cobra.set("0")

fried\_chicken.set("0")

kare\_kare.set("0")

crispy\_pata.set("0")

sinigang\_baboy.set("0")

sinigang\_hipon.set("0")

bicol\_express.set("0")

asparagus\_tofu.set("0")

chicken\_sisig.set("0")

Date\_of\_Order.set(time.strftime("%y/%m/%d"))

# 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("")

Total\_of\_Food.set("")

Total\_of\_Drinks.set("")

ServiceCharge.set("")

textReceipt.delete("1.0", END)

cocktail.set("0")

iced\_tea.set("0")

hot\_chocolate.set("0")

orange\_juice.set("0")

milkshake.set("0")

mountain\_dew.set("0")

sting.set("0")

cobra.set("0")

fried\_chicken.set("0")

kare\_kare.set("0")

crispy\_pata.set("0")

sinigang\_baboy.set("0")

sinigang\_hipon.set("0")

bicol\_express.set("0")

asparagus\_tofu.set("0")

chicken\_sisig.set("0")

variable1.set(0)

variable2.set(0)

variable3.set(0)

variable4.set(0)

variable5.set(0)

variable6.set(0)

variable7.set(0)

variable8 .set(0)

variable9 .set(0)

variable10 .set(0)

variable11 .set(0)

variable12 .set(0)

variable13 .set(0)

variable14 .set(0)

variable15 .set(0)

variable16 .set(0)

textCocktail.configure(state=DISABLED)

textIcedTea.configure(state=DISABLED)

textHotChocolate.configure(state=DISABLED)

textOrangeJuice.configure(state=DISABLED)

textMilkShake.configure(state=DISABLED)

textMountainDew.configure(state=DISABLED)

textSting.configure(state=DISABLED)

textCobra.configure(state=DISABLED)

textFriedChicken.configure(state=DISABLED)

textKareKAre.configure(state=DISABLED)

textCrispyPata.configure(state=DISABLED)

textSinigangBaboy.configure(state=DISABLED)

textSinigangHipon.configure(state=DISABLED)

textBicolExpress.configure(state=DISABLED)

textAsparagusTofu.configure(state=DISABLED)

textChickenSisig.configure(state=DISABLED)

def TotalofUnit():

Unit1 = float(cocktail.get())

Unit2 = float(iced\_tea.get())

Unit3 = float(hot\_chocolate.get())

Unit4 = float(orange\_juice.get())

Unit5 = float(milkshake.get())

Unit6 = float(mountain\_dew.get())

Unit7 = float(sting.get())

Unit8 = float(cobra.get())

Unit9 = float(fried\_chicken.get())

Unit10 = float(kare\_kare.get())

Unit11 = float(crispy\_pata.get())

Unit12 = float(sinigang\_baboy.get())

Unit13 = float(sinigang\_hipon.get())

Unit14 = float(bicol\_express.get())

Unit15 = float(asparagus\_tofu.get())

Unit16 = float(chicken\_sisig.get())

Prices\_Drinks = (Unit1 \* 50) + (Unit2 \* 45) + (Unit3 \* 60) + (Unit4 \* 35) + (Unit5 \* 70) + (Unit6 \* 40) + (Unit7 \* 55) + (Unit8 \* 75)

Prices\_Food = (Unit9 \* 490) + (Unit10 \* 450) + (Unit11 \* 350) + (Unit12 \* 400) + (Unit13 \* 500) + (Unit14 \* 250) + (Unit15 \* 650) + (Unit16 \* 370)

DrinksPrices = "P" + str('%.2f' % Prices\_Drinks)

FoodsPrices = "P" + str('%.2f' % Prices\_Food)

Total\_of\_Food.set(FoodsPrices)

Total\_of\_Drinks.set(DrinksPrices)

SC = "P" + str('%.2f' % 1.59)

ServiceCharge.set(SC)

Sub\_Total\_of\_Unit = "P" + str('%.2f'%(Prices\_Drinks + Prices\_Food + 1.59))

SubTotal.set(Sub\_Total\_of\_Unit)

Tax = "P" + str('%.2f'%((Prices\_Drinks + Prices\_Food + 1.59) \* 0.15))

PaidTax.set(Tax)

TT = ((Prices\_Drinks + Prices\_Food + 1.59) \* 0.15)

TC = "P" + str('%.2f'%(Prices\_Drinks + Prices\_Food + 1.59 + TT))

TotalCost.set(TC)

def drinksCocktail():

if variable1.get() == 1:

textCocktail.configure(state=NORMAL)

textCocktail.focus()

textCocktail.delete('0', END)

cocktail.set("")

elif variable1.get() == 0:

textCocktail.configure(state=DISABLED)

cocktail.set("0")

def drinksIceTea():

if variable2.get() == 1:

textIcedTea.configure(state=NORMAL)

textIcedTea.focus()

textIcedTea.delete('0', END)

iced\_tea.set("")

elif variable2.get() == 0:

textIcedTea.configure(state=DISABLED)

iced\_tea.set("0")

def drinksHotChocolate():

if variable3.get() == 1:

textHotChocolate.configure(state=NORMAL)

textHotChocolate.delete('0', END)

textHotChocolate.focus()

elif variable3.get() == 0:

textHotChocolate.configure(state=DISABLED)

hot\_chocolate.set("0")

def drinksOrangeJuice():

if variable4.get() == 1:

textOrangeJuice.configure(state=NORMAL)

textOrangeJuice.delete('0', END)

textOrangeJuice.focus()

elif variable4.get() == 0:

textOrangeJuice.configure(state=DISABLED)

orange\_juice.set("0")

def drinksMilkShake():

if variable5.get() == 1:

textMilkShake.configure(state=NORMAL)

textMilkShake.delete('0', END)

textMilkShake.focus()

elif variable5.get() == 0:

textMilkShake.configure(state=DISABLED)

milkshake.set("0")

def drinksMountainDew():

if variable6.get() == 1:

textMountainDew.configure(state=NORMAL)

textMountainDew.delete('0', END)

textMountainDew.focus()

elif variable6.get() == 0:

textMountainDew.configure(state=DISABLED)

mountain\_dew.set("0")

def drinksSting():

if variable7.get() == 1:

textSting.configure(state=NORMAL)

textSting.delete('0', END)

textSting.focus()

elif variable7.get() == 0:

textSting.configure(state=DISABLED)

sting.set("0")

def drinksCobra():

if variable8.get() == 1:

textCobra.configure(state=NORMAL)

textCobra.delete('0', END)

textCobra.focus()

elif variable8.get() == 0:

textCobra.configure(state=DISABLED)

cobra.set("0")

def foodsFriedChicken():

if variable9.get() == 1:

textFriedChicken.configure(state=NORMAL)

textFriedChicken.delete('0', END)

textFriedChicken.focus()

elif variable9.get() == 0:

textFriedChicken.configure(state=DISABLED)

fried\_chicken.set("0")

def foodsKareKare():

if variable10.get() == 1:

textKareKAre.configure(state=NORMAL)

textKareKAre.delete('0', END)

textKareKAre.focus()

elif variable10.get() == 0:

textKareKAre.configure(state=DISABLED)

kare\_kare.set("0")

def foodsCrispyPata():

if variable11.get() == 1:

textCrispyPata.configure(state=NORMAL)

textCrispyPata.delete('0', END)

textCrispyPata.focus()

elif variable11.get() == 0:

textCrispyPata.configure(state=DISABLED)

crispy\_pata.set("0")

def foodsSinigangBaboy():

if variable12.get() == 1:

textSinigangBaboy.configure(state=NORMAL)

textSinigangBaboy.delete('0', END)

textSinigangBaboy.focus()

elif variable12.get() == 0:

textSinigangBaboy.configure(state=DISABLED)

sinigang\_baboy.set("0")

def foodsSinigangHipon():

if variable13 .get() == 1:

textSinigangHipon.configure(state=NORMAL)

textSinigangHipon.delete('0',END)

textSinigangHipon.focus()

elif(variable13.get() == 0):

textSinigangHipon.configure(state=DISABLED)

sinigang\_hipon.set("0")

def foodsBicolExpress():

if variable14 .get() == 1:

textBicolExpress.configure(state=NORMAL)

textBicolExpress.delete('0', END)

textBicolExpress.focus()

elif variable14.get() == 0:

textBicolExpress.configure(state=DISABLED)

bicol\_express.set("0")

def foodsAsparagusTofu():

if variable15.get() == 1:

textAsparagusTofu.configure(state=NORMAL)

textAsparagusTofu.delete('0', END)

textAsparagusTofu.focus()

elif variable15.get() == 0:

textAsparagusTofu.configure(state=DISABLED)

asparagus\_tofu.set("0")

def foodsChickenSisig():

if variable16 .get() == 1:

textChickenSisig.configure(state=NORMAL)

textChickenSisig.delete('0',END)

textChickenSisig.focus()

elif(variable16.get() == 0):

textChickenSisig.configure(state=DISABLED)

chicken\_sisig.set("0")

def Receipt():

textReceipt.delete("1.0", END)

x = random.randint(10908, 500876)

randomRef = str(x)

Receipt\_Ref.set("Bill" + randomRef)

textReceipt.insert(END, 'Receipt Ref:\t\t\t'+Receipt\_Ref.get() + '\t' + Date\_of\_Order.get() + '\n')

textReceipt.insert(END, 'Unit\t\t\t\t'+"Total of Unit \n")

textReceipt.insert(END, 'Cocktail:\t\t\t\t\t' + cocktail.get() + '\n')

textReceipt.insert(END, 'Iced Tea:\t\t\t\t\t' + iced\_tea.get()+'\n')

textReceipt.insert(END, 'Hot Chocolate:\t\t\t\t\t' + hot\_chocolate.get()+'\n')

textReceipt.insert(END, 'Orange Juice:\t\t\t\t\t' + orange\_juice.get()+'\n')

textReceipt.insert(END, 'Milk Shake:\t\t\t\t\t' + milkshake.get()+'\n')

textReceipt.insert(END, 'Mountain Dew:\t\t\t\t\t' + mountain\_dew.get()+'\n')

textReceipt.insert(END, 'Sting:\t\t\t\t\t' + sting.get()+'\n')

textReceipt.insert(END, 'Cobra:\t\t\t\t\t' + cobra.get()+'\n')

textReceipt.insert(END, 'Fried Chicken:\t\t\t\t\t' + fried\_chicken.get()+'\n')

textReceipt.insert(END, 'Kare Kare:\t\t\t\t\t' + kare\_kare.get()+'\n')

textReceipt.insert(END, 'Crispy Pata:\t\t\t\t\t' + crispy\_pata.get()+'\n')

textReceipt.insert(END, 'Sinigang baboy:\t\t\t\t\t' + sinigang\_baboy.get()+'\n')

textReceipt.insert(END, 'Sinigang Hipon:\t\t\t\t\t' + sinigang\_hipon.get()+'\n')

textReceipt.insert(END, 'Bicol Express:\t\t\t\t\t' + bicol\_express.get()+'\n')

textReceipt.insert(END, 'Asparagus Tofu:\t\t\t\t\t' + asparagus\_tofu.get()+'\n')

textReceipt.insert(END, 'Chicken Sisig:\t\t\t\t\t' + chicken\_sisig.get()+'\n')

textReceipt.insert(END, 'Total of Drinks:\t\t\t\t' + Total\_of\_Drinks.get()+'\nTax Paid:\t\t\t\t'+PaidTax.get()+"\n")

textReceipt.insert(END, 'Total of Foods:\t\t\t\t' + Total\_of\_Food.get()+'\nSubTotal:\t\t\t\t'+str(SubTotal.get())+"\n")

textReceipt.insert(END, 'Service Charge:\t\t\t\t' + ServiceCharge.get()+'\nTotal Cost:\t\t\t\t'+str(TotalCost.get())+"\n")

# Drinks

Cocktail = Checkbutton(Drinks\_Function, text='Cocktail', variable=variable1, onvalue=1, offvalue=0, font=('arial', 16, 'bold'),

bg='sky blue', command=drinksCocktail).grid(row=0, sticky=W)

IcedTea = Checkbutton(Drinks\_Function, text='Iced Tea', variable=variable2, onvalue=1, offvalue=0, font=('arial', 16, 'bold'),

bg='sky blue', command=drinksIceTea).grid(row=1, sticky=W)

HotChocolate = Checkbutton(Drinks\_Function, text='Hot Chocolate', variable=variable3, onvalue=1, offvalue=0, font=('arial', 16, 'bold'),

bg='sky blue', command=drinksHotChocolate).grid(row=2, sticky=W)

OrangeJuice = Checkbutton(Drinks\_Function, text='Orange Juice', variable=variable4, onvalue=1, offvalue=0, font=('arial', 16, 'bold'),

bg='sky blue', command=drinksOrangeJuice).grid(row=3, sticky=W)

MilkShake = Checkbutton(Drinks\_Function, text='Milk Shake', variable=variable5, onvalue=1, offvalue=0, font=('arial', 16, 'bold'),

bg='sky blue', command=drinksMilkShake).grid(row=4, sticky=W)

MountainDew = Checkbutton(Drinks\_Function, text='Mountain Dew', variable=variable6, onvalue=1, offvalue=0, font=('arial', 16, 'bold'),

bg='sky blue', command=drinksMountainDew).grid(row=5, sticky=W)

Sting = Checkbutton(Drinks\_Function, text='Sting', variable=variable7, onvalue=1, offvalue=0, font=('arial', 16, 'bold'),

bg='sky blue', command=drinksSting).grid(row=6, sticky=W)

Cobra = Checkbutton(Drinks\_Function, text='Cobra', variable=variable8, onvalue=1, offvalue=0, font=('arial', 16, 'bold'),

bg='sky blue', command=drinksCobra).grid(row=7, sticky=W)

# Drink Entry

textCocktail = Entry(Drinks\_Function, font=('arial', 16, 'bold'), bd=8, width=6, justify=LEFT, state=DISABLED, textvariable=cocktail)

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

textIcedTea = Entry(Drinks\_Function,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,state=DISABLED,textvariable=iced\_tea)

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

textHotChocolate = Entry(Drinks\_Function,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,state=DISABLED,textvariable=hot\_chocolate)

textHotChocolate.grid(row=2,column=1)

textOrangeJuice= Entry(Drinks\_Function,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,state=DISABLED,textvariable=orange\_juice)

textOrangeJuice.grid(row=3,column=1)

textMilkShake = Entry(Drinks\_Function,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,state=DISABLED,textvariable=milkshake)

textMilkShake.grid(row=4,column=1)

textMountainDew = Entry(Drinks\_Function,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,state=DISABLED, textvariable=mountain\_dew)

textMountainDew.grid(row=5,column=1)

textSting = Entry(Drinks\_Function,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,state=DISABLED

,textvariable=sting)

textSting.grid(row=6,column=1)

textCobra = Entry(Drinks\_Function,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,state=DISABLED

,textvariable=cobra)

textCobra.grid(row=7,column=1)

# Foods

FriedChicken = Checkbutton(Food\_Function,text="Fried Chicken\t\t\t ",variable=variable9,onvalue = 1, offvalue=0,

font=('arial',16,'bold'),bg='sky blue',command=foodsFriedChicken).grid(row=0,sticky=W)

KareKare = Checkbutton(Food\_Function,text="Kare kare",variable=variable10,onvalue = 1, offvalue=0,

font=('arial',16,'bold'),bg='sky blue',command=foodsKareKare).grid(row=1,sticky=W)

CrispyPata = Checkbutton(Food\_Function,text="Crispy Pata ",variable=variable11,onvalue = 1, offvalue=0,

font=('arial',16,'bold'),bg='sky blue',command=foodsCrispyPata).grid(row=2,sticky=W)

SinigangBaboy = Checkbutton(Food\_Function,text="Sinigang Baboy ",variable=variable12,onvalue = 1, offvalue=0,

font=('arial',16,'bold'),bg='sky blue',command=foodsSinigangBaboy).grid(row=3,sticky=W)

SinigangHipon = Checkbutton(Food\_Function,text="Sinigang Hipon ",variable=variable13,onvalue = 1, offvalue=0,

font=('arial',16,'bold'),bg='sky blue',command=foodsSinigangHipon).grid(row=4,sticky=W)

BicolExpress = Checkbutton(Food\_Function,text="Bicol Express ",variable=variable14,onvalue = 1, offvalue=0,

font=('arial',16,'bold'),bg='sky blue',command=foodsBicolExpress).grid(row=5,sticky=W)

AsparagusTofu = Checkbutton(Food\_Function,text="Asparagus Tofu ",variable=variable15,onvalue = 1, offvalue=0,

font=('arial',16,'bold'),bg='sky blue',command=foodsAsparagusTofu).grid(row=6,sticky=W)

ChickenSisig = Checkbutton(Food\_Function,text="Chicken Sisig ",variable=variable16,onvalue = 1, offvalue=0,

font=('arial',16,'bold'),bg='sky blue',command=foodsChickenSisig).grid(row=7,sticky=W)

textFriedChicken=Entry(Food\_Function,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,state=DISABLED,textvariable=fried\_chicken)

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

textKareKAre=Entry(Food\_Function,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,state=DISABLED,textvariable=kare\_kare)

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

textCrispyPata=Entry(Food\_Function,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,state=DISABLED, textvariable=crispy\_pata)

textCrispyPata.grid(row=2,column=1)

textSinigangBaboy=Entry(Food\_Function,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,state=DISABLED,textvariable=sinigang\_baboy)

textSinigangBaboy.grid(row=3,column=1)

textSinigangHipon=Entry(Food\_Function,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,state=DISABLED,textvariable=sinigang\_hipon)

textSinigangHipon.grid(row=4,column=1)

textBicolExpress=Entry(Food\_Function,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,state=DISABLED,textvariable=bicol\_express)

textBicolExpress.grid(row=5,column=1)

textAsparagusTofu=Entry(Food\_Function,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,state=DISABLED,textvariable=asparagus\_tofu)

textAsparagusTofu.grid(row=6,column=1)

textChickenSisig=Entry(Food\_Function,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,state=DISABLED,textvariable=chicken\_sisig)

textChickenSisig.grid(row=7,column=1)

# ToTal Cost

lblTotalofDrinks=Label(Total\_Function,font=('arial',14,'bold'),text='Total of Drinks\t',bg='sky blue',fg='black',justify=CENTER)

lblTotalofDrinks.grid(row=0,column=0,sticky=W)

textTotalofDrinks=Entry(Total\_Function,bg='white',bd=7,font=('arial',14,'bold'),insertwidth=2,justify=RIGHT,textvariable=Total\_of\_Drinks)

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

# Payment information

lblPaidTax=Label(Total\_Function,font=('arial',14,'bold'),text='\tPaid Tax',bg='sky blue',bd=7,fg='black',justify=CENTER)

lblPaidTax.grid(row=0,column=2,sticky=W)

textPaidTax=Entry(Total\_Function,bg='white',bd=7,font=('arial',14,'bold'),insertwidth=2,justify=RIGHT,textvariable=PaidTax)

textPaidTax.grid(row=0,column=3)

lblSubTotal=Label(Total\_Function,font=('arial',14,'bold'),text='\tSub Total',bg='sky blue',bd=7,fg='black',justify=CENTER)

lblSubTotal.grid(row=1,column=2,sticky=W)

textSubTotal=Entry(Total\_Function,bg='white',bd=7,font=('arial',14,'bold'), insertwidth=2,justify=RIGHT,textvariable=SubTotal)

textSubTotal.grid(row=1,column=3)

lblTotalCost=Label(Total\_Function,font=('arial',14,'bold'),text='\tTotal',bg='sky blue',bd=7,fg='black',justify=CENTER)

lblTotalCost.grid(row=2,column=2,sticky=W)

textTotalCost=Entry(Total\_Function,bg='white',bd=7,font=('arial',14,'bold'),insertwidth=2,justify=RIGHT,textvariable=TotalCost)

textTotalCost.grid(row=2,column=3)

# RECEIPT

textReceipt=Text(Receipt\_Function,width=46,height=12,bg='white',bd=4,font=('arial',12,'bold'))

textReceipt.grid(row=0,column=0)

# BUTTONS

buttonTotal=Button(Buttons\_Function,padx=16,pady=1,bd=7,fg='gold',font=('arial',12,'bold'),width=4,text='Total',bg='black',command=TotalofUnit).grid(row=0,column=0)

buttonReceipt=Button(Buttons\_Function,padx=16,pady=1,bd=7,fg='gold',font=('arial',12,'bold'),width=4,text='Receipt',bg='black',command=Receipt).grid(row=0,column=1)

buttonReset=Button(Buttons\_Function,padx=16,pady=1,bd=7,fg='gold',font=('arial',12,'bold'),width=4,text='Reset',bg='black',command=Reset).grid(row=0,column=2)

buttonExit=Button(Buttons\_Function,padx=16,pady=1,bd=7,fg='gold',font=('arial',12,'bold'),width=4,text='Exit',bg='black',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 = ""

# Calculator

txtDisplay = Entry(Calculator\_Function, width=45, bg='white', bd=4, font=('arial',12,'bold'), justify=RIGHT, textvariable=text\_Input)

txtDisplay.grid(row=0,column=0,columnspan=4,pady=1)

txtDisplay.insert(0,"0")

# CALCULATOR BUTTONS

button7=Button(Calculator\_Function, padx=16, pady=1, bd=7, fg='gold', font=('arial', 12, 'bold'), width=4, text='7',bg='black',command=lambda:btnClick(7)).grid(row=2,column=0)

button8=Button(Calculator\_Function,padx=16,pady=1,bd=7,fg='gold',font=('arial',12,'bold'),width=4,text='8',bg='black',command=lambda:btnClick(8)).grid(row=2,column=1)

button9=Button(Calculator\_Function,padx=16,pady=1,bd=7,fg='gold',font=('arial',12,'bold'),width=4,text='9',bg='black',command=lambda:btnClick(9)).grid(row=2,column=2)

buttonAdd=Button(Calculator\_Function,padx=16,pady=1,bd=7,fg='gold',font=('arial',12,'bold'),width=4,text='+',bg='black',command=lambda:btnClick('+')).grid(row=2,column=3)

button4=Button(Calculator\_Function,padx=16,pady=1,bd=7,fg='gold',font=('arial',12,'bold'),width=4,text='4',bg='black',command=lambda:btnClick(4)).grid(row=3,column=0)

button5=Button(Calculator\_Function,padx=16,pady=1,bd=7,fg='gold',font=('arial',12,'bold'),width=4,text='5',bg='black',command=lambda:btnClick(5)).grid(row=3,column=1)

button6=Button(Calculator\_Function,padx=16,pady=1,bd=7,fg='gold',font=('arial',12,'bold'),width=4,text='6',bg='black',command=lambda:btnClick(6)).grid(row=3,column=2)

buttonSub=Button(Calculator\_Function,padx=16,pady=1,bd=7,fg='gold',font=('arial',12,'bold'),width=4,text='-',bg='black',command=lambda:btnClick('-')).grid(row=3,column=3)

button1=Button(Calculator\_Function,padx=16,pady=1,bd=7,fg='gold',font=('arial',12,'bold'),width=4,text='1',bg='black',command=lambda:btnClick(1)).grid(row=4,column=0)

button2=Button(Calculator\_Function,padx=16,pady=1,bd=7,fg='gold',font=('arial',12,'bold'),width=4,text='2',bg='black',command=lambda:btnClick(2)).grid(row=4,column=1)

button3=Button(Calculator\_Function,padx=16,pady=1,bd=7,fg='gold',font=('arial',12,'bold'),width=4,text='3',bg='black',command=lambda:btnClick(3)).grid(row=4,column=2)

buttonMulti=Button(Calculator\_Function,padx=16,pady=1,bd=7,fg='gold',font=('arial',12,'bold'),width=4,text='\*',bg='black',command=lambda:btnClick('\*')).grid(row=4,column=3)

root.mainloop()