

PROFESSIONAL TRAINING REPORT
at
Sathyabama Institute of Science and Technology
(Deemed to be University)

Submitted in partial fulfillment of the requirements for the award
of Bachelor of Technology Degree in

Information Technology

By

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DEPARTMENT OF INFORMATION TECHNOLOGY
SCHOOL OF COMPUTING

SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with Grade "A" by NAAC
JEPPIAAR NAGAR, RAJIV GANDHI SALAI, CHENNAI - 600 119

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SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

(Established under Section 3 of UGC Act, 1956)
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SCHOOL OF COMPUTING

BONAFIDE CERTIFICATE

This is to certify that this Project Report is the bonafide work of
BALABHARATHI .P (Reg.no : **38120017.**) who carried out the project
entitled "**FOOD BILLING SYSTEM**"
under our supervision from Jan 2021 to April 2022.

Internal Guide

Dr. S.REVATHI M.E.,Ph.D.,

Head of the Department

Dr. SUBHASHINI M.E.,Ph.D.,

Submitted for Viva voce Examination held on _____

Internal Examiner

External Examiner

DECLARATION

I **BALABHARATHI P.** hereby declare that the Project Report entitled "**FOOD BILLING SYSTEM**"

done by me under the guidance of Dr. **S. REVATHI .M.E.,Ph.D.**, and

Dr . **SUBHASHINI M.E.,Ph.D.**,at **SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY** is
submitted in partial fulfillment of the requirements for the award of Bac helor of Engineering /
Technology degree in **INFORMATION TECHNOLOGY**

DATE:

PLACE:

SIGNATURE OF THE CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to Board of Management of **SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY** for their kind encouragement in doing this project and for completing it successfully. I am grateful to them.

I convey my thanks to **Dr. T.SASIKALA M.E.,Ph.D- , Dean, School of computing**
Dr.SUBHASHINI M.E.,Ph.D.,Head of the Department Information and technology for providing me necessary support and details at the right time during the progressive reviews.

I would like to express my sincere and deep sense of gratitude to my Project Guide **Dr.S.Revathi M.E.Ph.d.,**for his valuable guidance, suggestions and constant encouragement paved way for the successful completion of my project work.

I wish to express my thanks to all Teaching and Non-teaching staff members of the Department of **Information Technology** who were helpful in many ways for the completion of the project.

TRAINING CERTIFICATE



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TO WHOMSOEVER IT MAY CONCERN

This is to certify that **BALABHARATHI P** student of **SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY, BTECH/IT** has undergone the Internship Training through online in our concern entitled **PYTHON** from **12th Aug 2020 to 26th Aug 2020** in relevant departments related to their academic studies.

During the above period, the performance was good & we wish great success in all your future endeavours.

Technology drives the world. We are the people who are behind the technology.

Authorised Signature



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ABSTRACT

The user just has to select among the food and drinks items, enter the quantity and click on the total button to view the total price.

The user can view the total receipt of their items which displays receipt number and number of their food/drinks items with the total amount.

There's also an extra calculator feature for the users. Here, the total bill of the customer includes tax and service charges too. The design is so simple that the user won't find any difficulties while working on it

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1. INTRODUCTION

About Project

Food Billing System project is written in Python. The project file contains a python script (foodbilling.py). This is a simple GUI based application which is very easy to understand and use. It uses Tkinter module for the GUI. Talking about the application, the user just has to select among the food and drinks items, enter the quantity and click on the total button to view the total price.

The user can view the total receipt of their items which displays receipt number and number of their food/drinks items with the total amount. There's also an extra calculator feature for the user.

In order to run the project, you must have installed Python and on your PC. This is a simple food billing system application for beginners.

2.1 AIM

Calculate the total amount of selecting items and Display the receipt on the white space.

2.2 PROBLEM STATEMENT

Reduce the time and work of user while buying things in Restaurant and store.

2.3 SCOPE

This desktop application involves almost all the basic features of the billing software. The future implementation will be help for admin to add and manage new products

3.1 SOFTWARE USED:

Food Billing System project is written in Python. The project file contains a python script (foodbilling.py). This is a simple GUI based application which is very easy to understand and use. It uses Tkinter module for the GUI. Talking about the application In order to run the project, you must have installed Python and on your PC. This is a simple food billing system application for beginners.

3.2. METHODOLOGY :

TKINTER MODULE.

3.3 TKINTER MODULE:

Tkinter is the inbuilt python module that is used to create GUI applications. It is one of the most commonly used modules for creating GUI applications in Python as it is simple and easy to work with. ... It gives an object-oriented interface to the GUI toolkit.

4.1. SYSTEM Requirements:

Hardware Requirement:

- A system with minimum 2 GB RAM
- Monitor
- Keyboard

Software Requirement:

- Python 3.9.1 version installed in system.
- Tkinter GUI

4.2 . RESULT:

The main motive of this application is to create user-friendly billing application which in turn reduces the time and work was implemented successfully .

5.1. CONCLUSION:

The project entitled " FOOD BILLING SYSTEM" is developed using python tkinter as front end to computerized the process of total calculation and bill generation. This project covers only the basic features required

5.2 REFERENCE:

[1] PYTHON - <https://www.w3schools.com/python/>

[2] PYTHON – Solo learn application

[3] Introduction to programming using python – Y.DANIEL LIANG

6.1. SCREEN SHOT:

Food Billing System

☐ Sprite	0	☐ HotDog	0
☒ Pepsi	2	☐ VegBurger	0
☐ DietCoke	0	☐ Pasta	0
☒ Mojito		☐ Rice Plate	0
☐ Cappuccino	0	☐ Sandwich	0
☐ Fanta	0	☒ Fires	2
☐ CocaCola	0	☐ Spagetti	0
☐ ColdCoffee	0	☒ Fazitas	1

Cost of Drinks	Rs 150.00	Paid Tax	Rs 55.74
Cost of Foods	Rs 220.00	Sub Total	Rs 371.59
Service Charge	Rs 1.59	Total	Rs 427.33

0

7

8

9

+

4

5

6

-

1

2

3

*

0

C

=

/

TotalReceiptResetExit

6.2.SOURCE CODE:

```
from tkinter import *
import time
import datetime
import random
from tkinter import messagebox

root =Tk()
root.geometry("1350x750+0+0")
root.title("Food Billing System")
root.configure(background='Cornsilk')

canvas1 = Canvas(root, width = 0, height = 0)

Tops = Frame(root,bg='darkOrange4',bd=20,pady=5,relief=RIDGE)
Tops.pack(side=TOP)

lblTitle=Label(Tops,font=('arial',60,'bold'),text='Food Billing
System',bd=21,bg='Cornsilk',
               fg='Black',justify=CENTER)
lblTitle.grid(row=0)
lblT=Label(Tops,font=('arial',15,'bold'),text=' Presented By:- Ishan Agrawal
',bd=21,bg='darkOrange4',
           fg='cornsilk',justify=CENTER)
lblT.grid(row=1)

ReceiptCal_F = Frame(root,bg='darkOrange4',bd=10,relief=RIDGE)
ReceiptCal_F.pack(side=RIGHT)

Buttons_F=Frame(ReceiptCal_F,bg='darkOrange4',bd=3,relief=RIDGE)
```

```
Buttons_F.pack(side=BOTTOM)
```

```
Cal_F=Frame(ReceiptCal_F,bg='darkOrange4',bd=6,relief=RIDGE)
```

```
Cal_F.pack(side=TOP)
```

```
Receipt_F=Frame(ReceiptCal_F,bg='darkOrange4',bd=4,relief=RIDGE)
```

```
Receipt_F.pack(side=BOTTOM)
```

```
MenuFrame = Frame(root,bg='darkOrange4',bd=10,relief=RIDGE)
```

```
MenuFrame.pack(side=LEFT)
```

```
Cost_F=Frame(MenuFrame,bg='Cornsilk',bd=4)
```

```
Cost_F.pack(side=BOTTOM)
```

```
Drinks_F=Frame(MenuFrame,bg='darkOrange4',bd=4)
```

```
Drinks_F.pack(side=TOP)
```

```
Drinks_F=Frame(MenuFrame,bg='Cornsilk',bd=4,relief=RIDGE)
```

```
Drinks_F.pack(side=LEFT)
```

```
Food_F=Frame(MenuFrame,bg='Cornsilk',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():
```

```
    MsgBox = messagebox.askquestion ('Exit Application','Are you sure you want to
exit the application',icon = 'warning')
```

```
if MsgBox == 'yes':  
    root.destroy()  
else:  
    messagebox.showinfo('Return','You will now return to the application screen')
```

```
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)
```

```
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='Cornsilk',command=chkSprite).grid(row=0,sticky=W)
```

```
Pepsi=Checkbutton(Drinks_F,text='Pepsi',variable=var2,onvalue=1,offvalue=0,font=(
'arial',18,'bold'),
```

```
    bg='Cornsilk',command=chkPepsi).grid(row=1,sticky=W)
```

```
DietCoke=Checkbutton(Drinks_F,text='DietCoke',variable=var3,onvalue=1,offvalue=
0,font=('arial',18,'bold'),
```

```
    bg='Cornsilk',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='Cornsilk',command=chk_Mojito).grid(row=3,sticky=W)
```

```
Cappuccino=Checkbutton(Drinks_F,text='Cappuccino',variable=var5,onvalue=1,offva
lue=0,font=('arial',18,'bold'),
```

```
    bg='Cornsilk',command=chk_Cappuccino).grid(row=4,sticky=W)
```

```
Fanta=Checkbutton(Drinks_F,text='Fanta',variable=var6,onvalue=1,offvalue=0,font=(
'arial',18,'bold'),
```

```
    bg='Cornsilk',command=chk_Fanta).grid(row=5,sticky=W)
```

```
CocaCola=Checkbutton(Drinks_F,text='CocaCola',variable=var7,onvalue=1,offvalue
=0,font=('arial',18,'bold'),
```

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

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

```
        bg='Cornsilk',command=chk_ColdCoffee).grid(row=7,sticky=W)
#####Drink
Entry#####
```

```
txtSprite =
Entry(Drinks_F,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,state=DISABLED
      ,textvariable=E_Sprite)
txtSprite.grid(row=0,column=1)
```

```
txtPepsi =
Entry(Drinks_F,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,state=DISABLED
      ,textvariable=E_Pepsi)
txtPepsi.grid(row=1,column=1)
```

```
txtDietCoke =
Entry(Drinks_F,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,state=DISABLED
      ,textvariable=E_DietCoke)
txtDietCoke.grid(row=2,column=1)
```

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

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

```
txtFanta =
Entry(Drinks_F,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,state=DISABLED
      ,textvariable=E_Fanta)
```

```
txtFanta.grid(row=5,column=1)
```

```
txtCocaCola =
```

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

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

```
txtColdCoffee =
```

```
Entry(Drinks_F,font=('arial',16,'bold'),bd=8,width=6,justify=LEFT,state=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='Cornsilk',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='Cornsilk',command=chk_VegBurger).grid(row=1,sticky=W)
```

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

```
font=('arial',16,'bold'),bg='Cornsilk',command=chk_Pasta).grid(row=2,sticky=W)
```

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

```
font=('arial',16,'bold'),bg='Cornsilk',command=chk_HamBurger).grid(row=3,sticky=W)
```

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

```
font=('arial',16,'bold'),bg='Cornsilk',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='Cornsilk',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='Cornsilk',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='Cornsilk',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=DIS
ABLED,
```

```
                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=LEFT,state=DISA
BLED,
```

```
                textvariable=E_Pasta)
txtPasta.grid(row=2,column=1)
```

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

```
                textvariable=E_HamBurger)
```

```
txtHamBurger.grid(row=3,column=1)
```

```
txtSandwich=Entry(Food_F,font=('arial',16,'bold'),bd=8,width=6,justify=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=LEFT,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='Cornsilk',
```

```
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='Cornsilk',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='Cornsilk',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='Cornsilk',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='Cornsilk',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='Cornsilk',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=('arial',16,'bold'),wi
dth=4,text='Total',
```

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

```
btnReset=Button(Buttons_F,padx=16,pady=1,bd=7,fg='black',font=('arial',16,'bold'),wi
dth=4,text='Reset',
```

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

```
btnExit=Button(Buttons_F,padx=16,pady=1,bd=7,fg='black',font=('arial',16,'bold'),widt
h=4,text='Exit',
```

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

```
canvas1.create_window(150, 150, window=btnExit)
```

```
#####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(Cal_F,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#####
```

```
#####
btn7=Button(Cal_F,padx=16,pady=1,bd=7,fg='black',font=('arial',16,'bold'),width=4,te
xt='7',
            bg='Cornsilk',command=lambda:btnClick(7)).grid(row=2,column=0)
btn8=Button(Cal_F,padx=16,pady=1,bd=7,fg='black',font=('arial',16,'bold'),width=4,te
xt='8',
            bg='Cornsilk',command=lambda:btnClick(8)).grid(row=2,column=1)
btn9=Button(Cal_F,padx=16,pady=1,bd=7,fg='black',font=('arial',16,'bold'),width=4,te
xt='9',
            bg='Cornsilk',command=lambda:btnClick(9)).grid(row=2,column=2)
btnAdd=Button(Cal_F,padx=16,pady=1,bd=7,fg='black',font=('arial',16,'bold'),width=4
,text='+',
            bg='Cornsilk',command=lambda:btnClick('+')).grid(row=2,column=3)
#####CALCULATOR
BUTTONS#####
#####
btn4=Button(Cal_F,padx=16,pady=1,bd=7,fg='black',font=('arial',16,'bold'),width=4,te
xt='4',
            bg='Cornsilk',command=lambda:btnClick(4)).grid(row=3,column=0)
btn5=Button(Cal_F,padx=16,pady=1,bd=7,fg='black',font=('arial',16,'bold'),width=4,te
xt='5',
            bg='Cornsilk',command=lambda:btnClick(5)).grid(row=3,column=1)
btn6=Button(Cal_F,padx=16,pady=1,bd=7,fg='black',font=('arial',16,'bold'),width=4,te
xt='6',
            bg='Cornsilk',command=lambda:btnClick(6)).grid(row=3,column=2)
btnSub=Button(Cal_F,padx=16,pady=1,bd=7,fg='black',font=('arial',16,'bold'),width=4
,text='-',
            bg='Cornsilk',command=lambda:btnClick('-')).grid(row=3,column=3)
#####CALCULATOR
BUTTONS#####
#####
btn1=Button(Cal_F,padx=16,pady=1,bd=7,fg='black',font=('arial',16,'bold'),width=4,te
```

```

xt='1',
        bg='Cornsilk',command=lambda:btnClick(1)).grid(row=4,column=0)
btn2=Button(Cal_F,padx=16,pady=1,bd=7,fg='black',font=('arial',16,'bold'),width=4,te
xt='2',
        bg='Cornsilk',command=lambda:btnClick(2)).grid(row=4,column=1)
btn3=Button(Cal_F,padx=16,pady=1,bd=7,fg='black',font=('arial',16,'bold'),width=4,te
xt='3',
        bg='Cornsilk',command=lambda:btnClick(3)).grid(row=4,column=2)
btnMulti=Button(Cal_F,padx=16,pady=1,bd=7,fg='black',font=('arial',16,'bold'),width=
4,text='*',
        bg='Cornsilk',command=lambda:btnClick('*')).grid(row=4,column=3)
#####CALCULATOR
BUTTONS#####
#####
btn0=Button(Cal_F,padx=16,pady=1,bd=7,fg='black',font=('arial',16,'bold'),width=4,te
xt='0',
        bg='Cornsilk',command=lambda:btnClick(0)).grid(row=5,column=0)
btnClear=Button(Cal_F,padx=16,pady=1,bd=7,fg='black',font=('arial',16,'bold'),width=
4,text='C',
        bg='Cornsilk',command=btnClear).grid(row=5,column=1)
btnEqual=Button(Cal_F,padx=16,pady=1,bd=7,fg='black',font=('arial',16,'bold'),width=
4,text='=',
        bg='Cornsilk',command=btnEquals).grid(row=5,column=2)
btnDiv=Button(Cal_F,padx=16,pady=1,bd=7,fg='black',font=('arial',16,'bold'),width=4,t
ext='/',
        bg='Cornsilk',command=lambda:btnClick('/')).grid(row=5,column=3)

root.mainloop()

```