

proj1: Calculator Application:

The Calculator With Tkinter GUI In Python is a simple project developed using Python. The project contains the numbers, operators, and signs like on a normal calculator. Here, the user can just click on the numbers they want in the calculations.

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calculator.py
-----
from tkinter import *
def btnClearDisplay( ):
    global operator
    operator=" "
    input_num.set(" ")

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

def btnEqual( ):
    global operator
    sumup=str(eval(operator))
    input_num.set(sumup)
    operator=" "

root=Tk( )
frame=Frame(root)
frame.pack()
root.title('calculater')
operator=" "
input_num=StringVar()
frame1=Frame(root)
frame1.pack(side=TOP)
txtDisplay=Entry(frame1,textvariable=input_num,bd=20,
                  insertwidth=1,font=30)
txtDisplay.pack(side=TOP)
button1=Button(frame1,padx=16,pady=16,bd=8,text="1",
               fg="black",
               command=lambda:btnClick(1))
button1.pack(side=LEFT)
button2=Button(frame1,padx=16,pady=16,bd=8,text="2",fg="black",command=lambda:btnClick(2))
button2.pack(side=LEFT)
button3=Button(frame1,padx=16,pady=16,bd=8,text="3",fg="black",command=lambda:btnClick(3))
button3.pack(side=LEFT)
button4=Button(frame1,padx=16,pady=16,bd=8,text="4",fg="black",command=lambda:btnClick(4))
button4.pack(side=LEFT)
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frame2=Frame(root)
frame2.pack(side=TOP)

button1=Button(frame2,padx=16,pady=16,bd=8,text="5",fg="black",command=lambda:btnClick(5))
button1.pack(side=LEFT)
button2=Button(frame2,padx=16,pady=16,bd=8,text="6",fg="black",command=lambda:btnClick(6))
button2.pack(side=LEFT)
button3=Button(frame2,padx=16,pady=16,bd=8,text="7",fg="black",command=lambda:btnClick(7))
button3.pack(side=LEFT)
button4=Button(frame2,padx=16,pady=16,bd=8,text="8",fg="black",command=lambda:btnClick(8))
button4.pack(side=LEFT)

frame3=Frame(root)
frame3.pack(side=TOP)

button1=Button(frame3,padx=16,pady=16,bd=8,text="9",fg="black",command=lambda:btnClick(9))
button1.pack(side=LEFT)
button2=Button(frame3,padx=16,pady=16,bd=8,text="0",fg="black",command=lambda:btnClick(0))
button2.pack(side=LEFT)
button3=Button(frame3,padx=16,pady=16,bd=8,text="c",fg="black",command=btnClearDisplay)
button3.pack(side=LEFT)
button4=Button(frame3,padx=16,pady=16,bd=8,text="=",fg="black",command=btnEqual)
button4.pack(side=LEFT)

frame4=Frame(root)
frame4.pack(side=TOP)

button1=Button(frame4,padx=16,pady=16,bd=8,text="*",fg="black",command=lambda:btnClick("*"))
button1.pack(side=LEFT)
button2=Button(frame4,padx=16,pady=16,bd=8,text="/",fg="black",command=lambda:btnClick("/"))
button2.pack(side=LEFT)
button3=Button(frame4,padx=16,pady=16,bd=8,text="-",fg="black",command=lambda:btnClick("-"))
button3.pack(side=LEFT)
button4=Button(frame4,padx=16,pady=16,bd=8,text="+",fg="black",command=lambda:btnClick("+"))
button4.pack(side=LEFT)

root.mainloop( )

```

proj2: Age Calculator:

The Simple Age Calculator In Python is a simple project developed using Python and Tkinter. The project is for the user's convenience, to help them find out about their exact age in year.

This is a simple GUI-based project which is very easy to understand and use.

agecalculator.py

import datetime
import tkinter as tk
window=tk.Tk()
window.geometry("620x780")
window.title(" Age Calculator App ")
name = tk.Label(text = "Name")
name.grid(column=0,row=1)
year = tk.Label(text = "Year")
year.grid(column=0,row=2)
month = tk.Label(text = "Month")
month.grid(column=0,row=3)
date = tk.Label(text = "Day")
date.grid(column=0,row=4)
nameEntry = tk.Entry()
nameEntry.grid(column=1,row=1)
yearEntry = tk.Entry()
yearEntry.grid(column=1,row=2)
monthEntry = tk.Entry()
monthEntry.grid(column=1,row=3)
dateEntry = tk.Entry()
dateEntry.grid(column=1,row=4)
def getInput():
 name=nameEntry.get()
 monkey = Person(name,datetime.date(int(yearEntry.get()),
 int(monthEntry.get()),int(dateEntry.get())))

 textArea = tk.Text(master=window,height=10,width=25)
 textArea.grid(column=1,row=6)
 answer = " Heyy {monkey}!!!!. You are {age} years old!!! ".format(monkey=name,
age=monkey.age())
 textArea.insert(tk.END,answer)
button=tk.Button(window,text="Calculate Age",command=getInput,
 bg="pink")
button.grid(column=1,row=5)
class Person:
 def __init__(self,name,birthdate):
 self.name = name
 self.birthdate = birthdate
 def age(self):
 today = datetime.date.today()

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age = today.year-self.birthdate.year
return age

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photo=tk.PhotoImage(file='siva.png')
label_image=tk.Label(image=photo)
label_image.grid(column=1,row=0)
window.mainloop()

```

proj3:Invoice Bill Generation:

The Bill Management System In Python is a GUI project using python Tkinter which displays the menu of the departmental store, takes orders from the customer, and generates a bill.

it contains only the admin section. The admin manages all the orders management, payments, and report. the user can enter customer details and select items from the menu. The software displays the menu items as category wise. Users can generate bills after selecting at least 1 item. The system displays a bill inside the 'Bill Area' section.

billinvoicegeneration.py

```

-----
from tkinter import *
from tkinter import messagebox
import math,random,os
class Bill_App:
    def __init__(self,root):
        self.root=root
        self.root.geometry("1350x700+0+0")
        self.root.title("Billing Software")
        bg_color="#074463"
        title=Label(self.root,text="Billing
Software",bd=12,relief=GR0OVE,bg=bg_color,fg="white",font=("times new
roman",30,"bold"),pady=2).pack(fill=X)
        #=====Variables=====
        #=====Cosmetics=====
        self.soap=IntVar()
        self.face_cream=IntVar()
        self.face_wash=IntVar()
        self.spray=IntVar()
        self.gell=IntVar()
        self.loshan=IntVar()
        #=====Grocery=====
        self.rice=IntVar()
        self.food_oil=IntVar()
        self.daal=IntVar()
        self.wheat=IntVar()
        self.sugar=IntVar()
        self.tea=IntVar()
        #=====Cold Drinka=====

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self.maza=IntVar()
self.cock=IntVar()
self.frooti=IntVar()
self.thumbsup=IntVar()
self.limca=IntVar()
self.sprite=IntVar()
#=====Total Product Price and Tax variables=====
self.cosmetic_price=StringVar()
self.grocery_price=StringVar()
self.cold_drink_price=StringVar()

self.cosmetic_tax=StringVar()
self.grocery_tax=StringVar()
self.cold_drink_tax=StringVar()
#=====Customer Detail=====
self.c_name=StringVar()
self.c_phon=StringVar()
self.bill_no=StringVar()
x=random.randint(1000,9999)
self.bill_no.set(str(x))
self.search_bill=StringVar()
#=====Customer Detail=====
F1=LabelFrame(self.root,bd=10,relief=GROOVE,text="Customer
Details",font=("times new roman",15,"bold"),fg="gold",bg=bg_color)
F1.place(x=0,y=90,relwidth=1)

cname_lbl=Label(F1,text="Customer Name",fg="white",bg=bg_color,font=("times
new roman",14,"bold")).grid(row=0,column=0,padx=20,pady=5)
cname_txt=Entry(F1,width=11,textvariable=self.c_name,font="arial
15",bd=7,relief=SUNKEN).grid(row=0,column=1,pady=5,padx=10)

cphn_lbl=Label(F1,text="Phone No.",fg="white",bg=bg_color,font=("times new
roman",14,"bold")).grid(row=0,column=2,padx=20,pady=5)
cphn_txt=Entry(F1,width=11,textvariable=self.c_phon,font="arial
15",bd=7,relief=SUNKEN).grid(row=0,column=3,pady=5,padx=10)

cbill_lbl=Label(F1,text="Bill Number",fg="white",bg=bg_color,font=("times
new roman",14,"bold")).grid(row=0,column=4,padx=20,pady=5)
cbill_txt=Entry(F1,width=11,textvariable=self.search_bill,font="arial
15",bd=7,relief=SUNKEN).grid(row=0,column=5,pady=5,padx=10)

bill_btn=Button(F1,text="Search",command=self.find_bill,width=10,bd=7,font="arial
12 bold").grid(row=0,column=6,padx=50,pady=10)

#=====Cosmetics Frame=====
F2=LabelFrame(self.root,bd=10,relief=GROOVE,text="Cosmetics",font=("times
new roman",15,"bold"),fg="gold",bg=bg_color)
F2.place(x=3,y=205,width=325,height=380)
bath_lbl=Label(F2,text="Bath Soap",font=("times new

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roman",15,"bold"),bg=bg_color,fg="lightgreen").grid(row=0,column=0,padx=10,pady=10,
sticky="w")
    bath_txt=Entry(F2,width=10,textvariable=self.soap,font=("times new
roman",12,"bold"),bd=5,relief=SUNKEN).grid(row=0,column=1,padx=8,pady=10)

    face_crm_lbl=Label(F2,text="Face Cream",font=("times new
roman",15,"bold"),bg=bg_color,fg="lightgreen").grid(row=1,column=0,padx=10,pady=10,
sticky="w")
    face_crm_txt=Entry(F2,width=10,textvariable=self.face_cream,font=("times
new roman",12,"bold"),bd=5,relief=SUNKEN).grid(row=1,column=1,padx=8,pady=10)

    face_w_lbl=Label(F2,text="Face Wash",font=("times new
roman",15,"bold"),bg=bg_color,fg="lightgreen").grid(row=2,column=0,padx=10,pady=10,
sticky="w")
    face_w_txt=Entry(F2,width=10,textvariable=self.face_wash,font=("times new
roman",12,"bold"),bd=5,relief=SUNKEN).grid(row=2,column=1,padx=8,pady=10)

    hair_s_lbl=Label(F2,text="Hair Spray",font=("times new
roman",15,"bold"),bg=bg_color,fg="lightgreen").grid(row=3,column=0,padx=10,pady=10,
sticky="w")
    hair_s_txt=Entry(F2,width=10,textvariable=self.spray,font=("times new
roman",12,"bold"),bd=5,relief=SUNKEN).grid(row=3,column=1,padx=8,pady=10)

    hair_gel_lbl=Label(F2,text="Hair Gell",font=("times new
roman",15,"bold"),bg=bg_color,fg="lightgreen").grid(row=4,column=0,padx=10,pady=10,
sticky="w")
    hair_gel_txt=Entry(F2,width=10,textvariable=self.gell,font=("times new
roman",12,"bold"),bd=5,relief=SUNKEN).grid(row=4,column=1,padx=8,pady=10)

    body_lbl=Label(F2,text="Body Loshan",font=("times new
roman",15,"bold"),bg=bg_color,fg="lightgreen").grid(row=5,column=0,padx=10,pady=10,
sticky="w")
    body_txt=Entry(F2,width=10,textvariable=self.loshan,font=("times new
roman",12,"bold"),bd=5,relief=SUNKEN).grid(row=5,column=1,padx=10,pady=10)

    #=====Grocery Frame=====
    F3=LabelFrame(self.root,bd=10,relief=GR0OVE,text="Grocery",font=("times new
roman",15,"bold"),fg="gold",bg=bg_color)
    F3.place(x=320,y=205,width=285,height=380)
    g1_lbl=Label(F3,text="Rice",font=("times new
roman",15,"bold"),bg=bg_color,fg="lightgreen").grid(row=0,column=0,padx=10,pady=10,
sticky="w")
    g1_txt=Entry(F3,width=10,textvariable=self.rice,font=("times new
roman",12,"bold"),bd=5,relief=SUNKEN).grid(row=0,column=1,padx=8,pady=10)

    g2_lbl=Label(F3,text="Food Oil",font=("times new
roman",15,"bold"),bg=bg_color,fg="lightgreen").grid(row=1,column=0,padx=10,pady=10,
sticky="w")
    g2_txt=Entry(F3,width=10,textvariable=self.food_oil,font=("times new
roman",12,"bold"),bd=5,relief=SUNKEN).grid(row=1,column=1,padx=8,pady=10)

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        g3_lbl=Label(F3,text="Daal",font=("times new
roman",15,"bold"),bg=bg_color,fg="lightgreen").grid(row=2,column=0,padx=10,pady=10,
sticky="w")
        g3_txt=Entry(F3,width=10,textvariable=self.daal,font=("times new
roman",12,"bold"),bd=5,relief=SUNKEN).grid(row=2,column=1,padx=8,pady=10)

        g4_lbl=Label(F3,text="Wheat",font=("times new
roman",15,"bold"),bg=bg_color,fg="lightgreen").grid(row=3,column=0,padx=10,pady=10,
sticky="w")
        g4_txt=Entry(F3,width=10,textvariable=self.wheat,font=("times new
roman",12,"bold"),bd=5,relief=SUNKEN).grid(row=3,column=1,padx=8,pady=10)

        g5_lbl=Label(F3,text="Suger",font=("times new
roman",15,"bold"),bg=bg_color,fg="lightgreen").grid(row=4,column=0,padx=10,pady=10,
sticky="w")
        g5_txt=Entry(F3,width=10,textvariable=self.sugar,font=("times new
roman",12,"bold"),bd=5,relief=SUNKEN).grid(row=4,column=1,padx=8,pady=10)

        g6_lbl=Label(F3,text="Tea",font=("times new
roman",15,"bold"),bg=bg_color,fg="lightgreen").grid(row=5,column=0,padx=10,pady=10,
sticky="w")
        g6_txt=Entry(F3,width=10,textvariable=self.tea,font=("times new
roman",12,"bold"),bd=5,relief=SUNKEN).grid(row=5,column=1,padx=10,pady=10)

        #=====Cold Drink Frame=====
        F4=LabelFrame(self.root,bd=10,relief=GR0OVE,text="Cold Drink",font=("times
new roman",15,"bold"),fg="gold",bg=bg_color)
        F4.place(x=600,y=205,width=300,height=380)
        c1_lbl=Label(F4,text="Maza",font=("times new
roman",15,"bold"),bg=bg_color,fg="lightgreen").grid(row=0,column=0,padx=10,pady=10,
sticky="w")
        c1_txt=Entry(F4,width=10,textvariable=self.maza,font=("times new
roman",12,"bold"),bd=5,relief=SUNKEN).grid(row=0,column=1,padx=8,pady=10)

        c2_lbl=Label(F4,text="Cock",font=("times new
roman",15,"bold"),bg=bg_color,fg="lightgreen").grid(row=1,column=0,padx=10,pady=10,
sticky="w")
        c2_txt=Entry(F4,width=10,textvariable=self.cock,font=("times new
roman",12,"bold"),bd=5,relief=SUNKEN).grid(row=1,column=1,padx=8,pady=10)

        c3_lbl=Label(F4,text="Frooti",font=("times new
roman",15,"bold"),bg=bg_color,fg="lightgreen").grid(row=2,column=0,padx=10,pady=10,
sticky="w")
        c3_txt=Entry(F4,width=10,textvariable=self.frooti,font=("times new
roman",12,"bold"),bd=5,relief=SUNKEN).grid(row=2,column=1,padx=8,pady=10)

        c4_lbl=Label(F4,text="ThumbsUp",font=("times new
roman",15,"bold"),bg=bg_color,fg="lightgreen").grid(row=3,column=0,padx=10,pady=10,
sticky="w")

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c4_txt=Entry(F4,width=10,textvariable=self.thumbsup,font=("times new
roman",12,"bold"),bd=5,relief=SUNKEN).grid(row=3,column=1,padx=8,pady=10)

c5_lbl=Label(F4,text="Limca",font=("times new
roman",15,"bold"),bg=bg_color,fg="lightgreen").grid(row=4,column=0,padx=10,pady=10,
sticky="w")
c5_txt=Entry(F4,width=10,textvariable=self.limca,font=("times new
roman",12,"bold"),bd=5,relief=SUNKEN).grid(row=4,column=1,padx=8,pady=10)

c6_lbl=Label(F4,text="Sprite",font=("times new
roman",15,"bold"),bg=bg_color,fg="lightgreen").grid(row=5,column=0,padx=10,pady=10,
sticky="w")
c6_txt=Entry(F4,width=10,textvariable=self.sprite,font=("times new
roman",12,"bold"),bd=5,relief=SUNKEN).grid(row=5,column=1,padx=10,pady=10)

#=====Bill Area Frame=====
F5=Frame(self.root,bd=10,relief=GROOVE)
F5.place(x=905,y=205,width=440,height=350)
bill_title=Label(F5,text="Bill Area",font="arial 15 bold",bd=7,
relief=GROOVE).pack(fill=X)
scrol_y=Scrollbar(F5,orient=VERTICAL)
self.textarea=Text(F5,yscrollcommand=scrol_y.set)
scrol_y.pack(side=RIGHT,fill=Y)
scrol_y.config(command=self.textarea.yview)
self.textarea.pack(fill=BOTH,expand=1)

#=====Button Frame=====
F6=LabelFrame(self.root,bd=10,relief=GROOVE,text="Bill Menu",font=("times
new roman",15,"bold"),fg="gold",bg=bg_color)
F6.place(x=3,y=560,relwidth=1,height=140)
m1_lbl=Label(F6,text="Total Cosmetic
Price",bg=bg_color,fg="white",font=("times new
roman",14,"bold")).grid(row=0,column=0,padx=20,pady=1,sticky="w")
m1_txt=Entry(F6,width=15,textvariable=self.cosmetic_price,font="arial 10
bold",bd=7,relief=SUNKEN).grid(row=0,column=1,padx=10,pady=1)

m2_lbl=Label(F6,text="Total Grocery
Price",bg=bg_color,fg="white",font=("times new
roman",14,"bold")).grid(row=1,column=0,padx=20,pady=1,sticky="w")
m2_txt=Entry(F6,width=15,textvariable=self.grocery_price,font="arial 10
bold",bd=7,relief=SUNKEN).grid(row=1,column=1,padx=10,pady=1)

m3_lbl=Label(F6,text="Total Cold Drink
Price",bg=bg_color,fg="white",font=("times new
roman",14,"bold")).grid(row=2,column=0,padx=20,pady=1,sticky="w")
m3_txt=Entry(F6,width=15,textvariable=self.cold_drink_price,font="arial 10
bold",bd=7,relief=SUNKEN).grid(row=2,column=1,padx=10,pady=1)

c1_lbl=Label(F6,text="Cosmetic Tax",bg=bg_color,fg="white",font=("times new
roman",14,"bold")).grid(row=0,column=3,padx=20,pady=1,sticky="w")

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c1_txt=Entry(F6,width=15,textvariable=self.cosmetic_tax,font="arial 10
bold",bd=7,relief=SUNKEN).grid(row=0,column=4,padx=10,pady=1)

c2_lbl=Label(F6,text="Grocery Tax",bg=bg_color,fg="white",font=("times new
roman",14,"bold")).grid(row=1,column=3,padx=20,pady=1,sticky="w")
c2_txt=Entry(F6,width=15,textvariable=self.grocery_tax,font="arial 10
bold",bd=7,relief=SUNKEN).grid(row=1,column=4,padx=10,pady=1)

c3_lbl=Label(F6,text="Cold Drink Tax",bg=bg_color,fg="white",font=("times
new roman",14,"bold")).grid(row=2,column=3,padx=20,pady=1,sticky="w")
c3_txt=Entry(F6,width=15,textvariable=self.cold_drink_tax,font="arial 10
bold",bd=7,relief=SUNKEN).grid(row=2,column=4,padx=10,pady=1)
btn_f=Frame(F6,bd=7,relief=GROOVE)
btn_f.place(x=820,width=510,height=180)

total_btn=Button(btn_f,text="Total",command=self.total,bg="cadetblue",fg="white",p
ady=10,width=10,bd=4,font="arial 10 bold").grid(row=0,column=0,padx=5,pady=5)
gbill_btn=Button(btn_f,command=self.bill_area,text="Generate
Bill",bg="cadetblue",fg="white",pady=10,width=10,bd=4,font="arial 10
bold").grid(row=0,column=1,padx=5,pady=5)

clear_btn=Button(btn_f,text="Clear",command=self.clear_data,bg="cadetblue",fg="whit
e",pady=10,width=10,bd=4,font="arial 10 bold").grid(row=0,column=2,padx=5,pady=5)

exit_btn=Button(btn_f,text="Exit",command=self.Exit_app,bg="cadetblue",fg="white",p
ady=10,width=10,bd=4,font="arial 10 bold").grid(row=0,column=3,padx=5,pady=5)
self.welcome_bill()
def total(self):
    self.c_s_p=self.soap.get()*40
    self.c_fc_p=self.face_cream.get()*120
    self.c_fw_p=self.face_wash.get()*60
    self.c_spr_p=self.spray.get()*180
    self.c_g_p=self.gell.get()*140
    self.c_l_p=self.loshan.get()*180
    self.total_cosmatic_price=float(
        self.c_s_p+
        self.c_fc_p+
        self.c_fw_p+
        self.c_spr_p+
        self.c_g_p+
        self.c_l_p
    )
    self.cosmetic_price.set("Rs. "+str(self.total_cosmatic_price))
    self.c_tax=round(self.total_cosmatic_price*0.05,2)
    self.cosmetic_tax.set("Rs. "+str(self.c_tax))
    self.g_r_p=self.rice.get()*80
    self.g_fo_p=self.food_oil.get()*180
    self.g_w_p=self.wheat.get()*60
    self.g_d_p=self.daal.get()*240
    self.g_s_p=self.sugar.get()*45

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self.g_t_p=self.tea.get()*150
self.total_grocery_price=float(
    self.g_r_p+
    self.g_fo_p+
    self.g_w_p+
    self.g_d_p+
    self.g_s_p+
    self.g_t_p
)
self.grocery_price.set("Rs. "+str(self.total_grocery_price))
self.g_tax=round(self.total_grocery_price*0.1,2)
self.grocery_tax.set("Rs. "+str(self.g_tax))
self.cd_m_p=self.maza.get()*60
self.cd_c_p=self.cock.get()*60
self.cd_f_p=self.frooti.get()*50
self.cd_th_p=self.thumbsup.get()*45
self.cd_l_p=self.limca.get()*40
self.cd_s_p=self.sprite.get()*60
self.total_cold_drink_price=float(
    self.cd_m_p+
    self.cd_c_p+
    self.cd_f_p+
    self.cd_th_p+
    self.cd_l_p+
    self.cd_s_p
)
self.cold_drink_price.set("Rs. "+str(self.total_cold_drink_price))
self.cd_tax=round(self.total_cold_drink_price*0.05,2)
self.cold_drink_tax.set("Rs. "+str(self.cd_tax))
self.total_bill=float(
    self.total_cosmatic_price+
    self.total_grocery_price+
    self.total_cold_drink_price+
    self.c_tax+
    self.g_tax+
    self.cd_tax
)
def welcome_bill(self):
    self.textarea.delete('1.0',END)
    self.textarea.insert(END,"\t Welcome To Siva Krishna Retail")
    self.textarea.insert(END,f"\n Bill Number :{self.bill_no.get()}")
    self.textarea.insert(END,f"\n Customer Name :{self.c_name.get()}")
    self.textarea.insert(END,f"\n Phone Number :{self.c_phon.get()}")

    self.textarea.insert(END,f"\n=====")
    self.textarea.insert(END,f"\n Product\t\tQTY\t\tPrice")
    self.textarea.insert(END,f"\n=====")
def bill_area(self):
    if self.c_name.get()==" " or self.c_phon.get()==" ":
        messagebox.showerror("Error","Customer Details are Required")

```

```

        elif self.cosmetic_price.get()=="Rs. 0.0" and
self.grocery_price.get()=="Rs. 0.0" and self.cold_drink_price.get()=="Rs. 0.0":
    messagebox.showerror("Error","No Product Selected")
else:
    self.welcome_bill()
    #===cosmetics=====
    if self.soap.get()!=0:
        self.textarea.insert(END,f"\n Bath
Soap\t\t{self.soap.get()}\t\t{self.c_s_p}")
    if self.face_cream.get()!=0:
        self.textarea.insert(END,f"\n Face
Cream\t\t{self.face_cream.get()}\t\t{self.c_fc_p}")
    if self.face_wash.get()!=0:
        self.textarea.insert(END,f"\n Face Wash
\t\t{self.face_wash.get()}\t\t{self.c_fw_p}")
    if self.spray.get()!=0:
        self.textarea.insert(END,f"\n Hair
Spray\t\t{self.spray.get()}\t\t{self.c_s_p}")
    if self.gell.get()!=0:
        self.textarea.insert(END,f"\n Hair Gell
\t\t{self.gell.get()}\t\t{self.c_g_p}")
    if self.loshan.get()!=0:
        self.textarea.insert(END,f"\n Body
Loshan\t\t{self.loshan.get()}\t\t{self.c_l_p}")
    #===Grocery=====
    if self.rice.get()!=0:
        self.textarea.insert(END,f"\n Rice
\t\t{self.rice.get()}\t\t{self.g_r_p}")
    if self.food_oil.get()!=0:
        self.textarea.insert(END,f"\n Food
Oil\t\t{self.food_oil.get()}\t\t{self.g_fo_p}")
    if self.daal.get()!=0:
        self.textarea.insert(END,f"\n Daal
\t\t{self.daal.get()}\t\t{self.g_d_p}")
    if self.wheat.get()!=0:
        self.textarea.insert(END,f"\n Wheat
\t\t{self.wheat.get()}\t\t{self.g_w_p}")
    if self.sugar.get()!=0:
        self.textarea.insert(END,f"\n Suger
\t\t{self.sugar.get()}\t\t{self.g_s_p}")
    if self.tea.get()!=0:
        self.textarea.insert(END,f"\n Tea
\t\t{self.tea.get()}\t\t{self.g_t_p}")

    #===Cold Drink=====
    if self.maza.get()!=0:
        self.textarea.insert(END,f"\n Maza
\t\t{self.maza.get()}\t\t{self.cd_m_p}")
    if self.cock.get()!=0:
        self.textarea.insert(END,f"\n Cock

```

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\t\t{self.cock.get()}\t\t{self.cd_c_p}")
        if self.frooti.get()!=0:
            self.textarea.insert(END,f"\n Frooti
\t\t{self.frooti.get()}\t\t{self.cd_f_p}")
            if self.thumbsup.get()!=0:
                self.textarea.insert(END,f"\n Thumbs
Up\t\t{self.thumbsup.get()}\t\t{self.cd_th_p}")
            if self.limca.get()!=0:
                self.textarea.insert(END,f"\n
Limca\t\t{self.limca.get()}\t\t{self.cd_l_p}")
            if self.sprite.get()!=0:
                self.textarea.insert(END,f"\n Sprite
\t\t{self.sprite.get()}\t\t{self.cd_s_p}")
                self.textarea.insert(END,f"\n-----")
                if self.cosmetic_tax.get()!="Rs. 0.0":
                    self.textarea.insert(END,f"\n Cosmatic Tax
\t\t\t{self.cosmetic_tax.get()}")

                    if self.grocery_tax.get()!="Rs. 0.0":
                        self.textarea.insert(END,f"\n Grocery Tax
\t\t\t{self.grocery_tax.get()}")

                        if self.cold_drink_tax.get()!="Rs. 0.0":
                            self.textarea.insert(END,f"\n ColdDrink
Tax\t\t\t{self.cold_drink_tax.get()}")
                            self.textarea.insert(END,f"\n Total Bill  \t\t\t Rs.
{self.total_bill}")
                            self.textarea.insert(END,f"\n-----")
                            self.save_bill()
                        def save_bill(self):
                            op=messagebox.askyesno("Save Bill","Do you want to save the bill?")
                            if op>0:
                                self.bill_data=self.textarea.get('1.0',END)
                                f1=open(str(self.bill_no.get())+".txt","w")
                                f1.write(self.bill_data)
                                f1.close()
                                messagebox.showinfo("Saved",f"Bill no. :{self.bill_no.get()} saved
successfully")
                            else:
                                return
                        def find_bill(self):
                            present="no"
                            for i in os.listdir():
                                if i.split(".")[0]==self.search_bill.get():
                                    f1=open(f"{i}","r")
                                    self.textarea.delete('1.0',END)
                                    for d in f1:
                                        self.textarea.insert(END,d)
                                    f1.close()
                                    present="yes"

```

```

        if present=="no":
            messagebox.showerror("Error","Invalid Bill No")
def clear_data(self):
    op=messagebox.askyesno("clear","Do you want to Reset Entries?")
    if op>0:
        #=====Cosmetics=====
        self.soap.set(0)
        self.face_cream.set(0)
        self.face_wash.set(0)
        self.spray.set(0)
        self.gell.set(0)
        self.loshan.set(0)
        #=====Grocery=====
        self.rice.set(0)
        self.food_oil.set(0)
        self.daal.set(0)
        self.wheat.set(0)
        self.sugar.set(0)
        self.tea.set(0)
        #=====Cold Drinka=====
        self.maza.set(0)
        self.cock.set(0)
        self.frooti.set(0)
        self.thumbsup.set(0)
        self.limca.set(0)
        self.sprite.set(0)
        #=====Total Product Price and Tax variables=====
        self.cosmetic_price.set("")
        self.grocery_price.set("")
        self.cold_drink_price.set("")

        self.cosmetic_tax.set("")
        self.grocery_tax.set("")
        self.cold_drink_tax.set("")
        #=====Customer Detail=====
        self.c_name.set("")
        self.c_phon.set("")
        self.bill_no.set("")
        x=random.randint(1000,9999)
        self.bill_no.set(str(x))
        self.search_bill.set("")
        self.welcome_bill()
def Exit_app(self):
    op=messagebox.askyesno("Exit","Do you want to exit?")
    if op>0:
        self.root.destroy()

root=Tk()
obj=Bill_App(root)

```

```
root.mainloop()
```