root = Tk()  
root.geometry("1600x8000")  
root.title("Restaurant Management System")  
  
Tops = Frame(root, width=1600, relief=SUNKEN)  
Tops.pack(side=TOP)  
  
f1 = Frame(root, width=800, height=700, relief=SUNKEN)  
f1.pack(side=LEFT)  
  
# =================================================================================  
# TIME  
# ================================================================================  
localtime = time.asctime(time.localtime(time.time()))  
  
lblInfo = Label(Tops, font=('helvetica', 50, 'bold'), text="BANIA RESTAURANT ", fg="Black", bd=10, anchor='w')  
lblInfo.grid(row=0, column=0)  
  
lblInfo = Label(Tops, font=('arial', 20, 'bold'), text=localtime, fg="Steel Blue", bd=10, anchor='w')  
lblInfo.grid(row=1, column=0)  
  
  
def Ref():  
 x = random.randint(10908, 500876)  
 randomRef = str(x)  
 rand.set(randomRef)  
  
 if (Fries.get() == ""):  
 CoFries = 0  
 else:  
 CoFries = float(Fries.get())  
  
 if (Noodles.get() == ""):  
 CoNoodles = 0  
 else:  
 CoNoodles = float(Noodles.get())  
  
 if (Soup.get() == ""):  
 CoSoup = 0  
 else:  
 CoSoup = float(Soup.get())  
  
 if (Burger.get() == ""):  
 CoBurger = 0  
 else:  
 CoBurger = float(Burger.get())  
  
 if (Sandwich.get() == ""):  
 CoSandwich = 0  
 else:  
 CoSandwich = float(Sandwich.get())  
  
 if (Drinks.get() == ""):  
 CoD = 0  
 else:  
 CoD = float(Drinks.get())  
  
 CostofFries = CoFries \* 140  
 CostofDrinks = CoD \* 65  
 CostofNoodles = CoNoodles \* 90  
 CostofSoup = CoSoup \* 140  
 CostBurger = CoBurger \* 260  
 CostSandwich = CoSandwich \* 300  
  
 CostofMeal = "Rs", str(  
 '%.2f' % (CostofFries + CostofDrinks + CostofNoodles + CostofSoup + CostBurger + CostSandwich))  
  
 PayTax = ((CostofFries + CostofDrinks + CostofNoodles + CostofSoup + CostBurger + CostSandwich) \* 0.2)  
  
 TotalCost = (CostofFries + CostofDrinks + CostofNoodles + CostofSoup + CostBurger + CostSandwich)  
  
 Ser\_Charge = ((CostofFries + CostofDrinks + CostofNoodles + CostofSoup + CostBurger + CostSandwich) / 99)  
  
 Service = "Rs", str('%.2f' % Ser\_Charge)  
  
 OverAllCost = "Rs", str('%.2f' % (PayTax + TotalCost + Ser\_Charge))  
  
 PaidTax = "Rs", str('%.2f' % PayTax)  
  
 Service\_Charge.set(Service)  
 Cost.set(CostofMeal)  
 Tax.set(PaidTax)  
 SubTotal.set(CostofMeal)  
 Total.set(OverAllCost)  
  
  
def qExit():  
 root.destroy()  
  
  
def Reset():  
 rand.set("")  
 Fries.set("")  
 Noodles.set("")  
 Soup.set("")  
 SubTotal.set("")  
 Total.set("")  
 Service\_Charge.set("")  
 Drinks.set("")  
 Tax.set("")  
 Cost.set("")  
 Burger.set("")  
 Sandwich.set("")  
  
  
# ====================================Restaraunt Info 1===========================================================  
rand = StringVar()  
Fries = StringVar()  
Noodles = StringVar()  
Soup = StringVar()  
SubTotal = StringVar()  
Total = StringVar()  
Service\_Charge = StringVar()  
Drinks = StringVar()  
Tax = StringVar()  
Cost = StringVar()  
Burger = StringVar()  
Sandwich = StringVar()  
  
lblReference = Label(f1, font=('arial', 16, 'bold'), text="Reference", bd=16, anchor="w")  
lblReference.grid(row=0, column=0)  
txtReference = Entry(f1, font=('arial', 16, 'bold'), textvariable=rand, bd=10, insertwidth=4, bg="powder blue",  
 justify='right')  
txtReference.grid(row=0, column=1)  
  
lblFries = Label(f1, font=('arial', 16, 'bold'), text="Fries", bd=16, anchor="w")  
lblFries.grid(row=1, column=0)  
txtFries = Entry(f1, font=('arial', 16, 'bold'), textvariable=Fries, bd=10, insertwidth=4, bg="powder blue",  
 justify='right')  
txtFries.grid(row=1, column=1)  
  
lblNoodles = Label(f1, font=('arial', 16, 'bold'), text="Noodles", bd=16, anchor="w")  
lblNoodles.grid(row=2, column=0)  
txtNoodles = Entry(f1, font=('arial', 16, 'bold'), textvariable=Noodles, bd=10, insertwidth=4, bg="powder blue",  
 justify='right')  
txtNoodles.grid(row=2, column=1)  
  
lblSoup = Label(f1, font=('arial', 16, 'bold'), text="Soup", bd=16, anchor="w")  
lblSoup.grid(row=3, column=0)  
txtSoup = Entry(f1, font=('arial', 16, 'bold'), textvariable=Soup, bd=10, insertwidth=4, bg="powder blue",  
 justify='right')  
txtSoup.grid(row=3, column=1)  
  
lblBurger = Label(f1, font=('arial', 16, 'bold'), text="Burger", bd=16, anchor="w")  
lblBurger.grid(row=4, column=0)  
txtBurger = Entry(f1, font=('arial', 16, 'bold'), textvariable=Burger, bd=10, insertwidth=4, bg="powder blue",  
 justify='right')  
txtBurger.grid(row=4, column=1)  
  
lblSandwich = Label(f1, font=('arial', 16, 'bold'), text="Sandwich", bd=16, anchor="w")  
lblSandwich.grid(row=5, column=0)  
txtSandwich = Entry(f1, font=('arial', 16, 'bold'), textvariable=Sandwich, bd=10, insertwidth=4, bg="powder blue",  
 justify='right')  
txtSandwich.grid(row=5, column=1)  
  
# ============================================================================================================  
# RESTAURANT INFO 2  
# ========================================================================================  
  
lblDrinks = Label(f1, font=('arial', 16, 'bold'), text="Drinks", bd=16, anchor="w")  
lblDrinks.grid(row=0, column=2)  
txtDrinks = Entry(f1, font=('arial', 16, 'bold'), textvariable=Drinks, bd=10, insertwidth=4, bg="powder blue",  
 justify='right')  
txtDrinks.grid(row=0, column=3)  
  
lblCost = Label(f1, font=('arial', 16, 'bold'), text="Cost of Meal", bd=16, anchor="w")  
lblCost.grid(row=1, column=2)  
txtCost = Entry(f1, font=('arial', 16, 'bold'), textvariable=Cost, bd=10, insertwidth=4, bg="powder blue",  
 justify='right')  
txtCost.grid(row=1, column=3)  
  
lblService = Label(f1, font=('arial', 16, 'bold'), text="Service Charge", bd=16, anchor="w")  
lblService.grid(row=2, column=2)  
txtService = Entry(f1, font=('arial', 16, 'bold'), textvariable=Service\_Charge, bd=10, insertwidth=4, bg="powder blue",  
 justify='right')  
txtService.grid(row=2, column=3)  
  
lblStateTax = Label(f1, font=('arial', 16, 'bold'), text="State Tax", bd=16, anchor="w")  
lblStateTax.grid(row=3, column=2)  
txtStateTax = Entry(f1, font=('arial', 16, 'bold'), textvariable=Tax, bd=10, insertwidth=4, bg="powder blue",  
 justify='right')  
txtStateTax.grid(row=3, column=3)  
  
lblSubTotal = Label(f1, font=('arial', 16, 'bold'), text="Sub Total", bd=16, anchor="w")  
lblSubTotal.grid(row=4, column=2)  
txtSubTotal = Entry(f1, font=('arial', 16, 'bold'), textvariable=SubTotal, bd=10, insertwidth=4, bg="powder blue",  
 justify='right')  
txtSubTotal.grid(row=4, column=3)  
  
lblTotalCost = Label(f1, font=('arial', 16, 'bold'), text="Total Cost", bd=16, anchor="w")  
lblTotalCost.grid(row=5, column=2)  
txtTotalCost = Entry(f1, font=('arial', 16, 'bold'), textvariable=Total, bd=10, insertwidth=4, bg="powder blue",  
 justify='right')  
txtTotalCost.grid(row=5, column=3)  
  
# ==========================================Buttons==========================================================================================  
btnTotal = Button(f1, padx=16, pady=8, bd=16, fg="black", font=('arial', 16, 'bold'), width=10, text="Total",  
 bg="powder blue", command=Ref).grid(row=7, column=1)  
  
btnReset = Button(f1, padx=16, pady=8, bd=16, fg="black", font=('arial', 16, 'bold'), width=10, text="Reset",  
 bg="powder blue", command=Reset).grid(row=7, column=2)  
  
btnExit = Button(f1, padx=16, pady=8, bd=16, fg="black", font=('arial', 16, 'bold'), width=10, text="Exit",  
 bg="powder blue", command=qExit).grid(row=7, column=3)  
  
root.mainloop()