**Super Market Billing System :**

**Code :**

import tkinter as tk

import pymysql

from tkinter import messagebox

class bill():

def \_\_init\_\_(self, root):

self.root=root

self.root.title("Super Market")

scrn\_width=self.root.winfo\_screenwidth()

scrn\_height=self.root.winfo\_screenheight()

self.root.geometry(f"{scrn\_width}x{scrn\_height}+0+0")

mainTitle=tk.Label(self.root, text="Super Market Billing System",bg="light gray",fg="black",bd=5,relief="groove",font=("Arial",40,"bold"))

mainTitle.pack(side="top", fill="x")

#--------varible---------

self.item\_name= tk.StringVar()

self.item\_price= tk.IntVar()

self.item\_quant= tk.IntVar()

self.total= tk.IntVar()

#------Input Frame------

self.inputFrame= tk.Frame(self.root,bg="light gray", bd=5,relief="groove")

self.inputFrame.place(x=10,y=90,width=400,height=350)

item= tk.Label(self.inputFrame, text="Item Name:", bg="light gray", font=("Arial",15,"bold"))

item.grid(row=0, column=0, padx=10, pady=30)

self.itemIn= tk.Entry(self.inputFrame, width=15, bd=2, font=("Arial",15))

self.itemIn.grid( pady=10, row=0, column=1)

quant= tk.Label(self.inputFrame, text="Item Quantity:", bg="light gray", font=("Arial",15,"bold"))

quant.grid(row=1, column=0, padx=10, pady=30)

self.quantIn= tk.Entry(self.inputFrame, width=15, bd=2, font=("Arial",15))

self.quantIn.grid( pady=10, row=1, column=1)

purchaseBtn= tk.Button(self.inputFrame, command=self.purchase, text="Purchase",width=8, bd=2, relief="raised", bg="sky blue", font=("Arial",15,"bold"))

purchaseBtn.grid(row=2, column=0, padx=10, pady=4)

printBillBtn= tk.Button(self.inputFrame, command=self.print\_bill, text="Print Bill",width=8, bd=2, relief="raised", bg="sky blue", font=("Arial",15,"bold"))

printBillBtn.grid(row=2, column=1, padx=10, pady=4)

addBtn= tk.Button(self.inputFrame, command=self.add\_fun, text="Add Item", width=15,bd=2,bg="sky blue",relief="raised",font=("Arial",15,"bold"))

addBtn.grid(row=3, column=0, padx=40, columnspan=2, pady=30)

#------Detail Frame--------

self.detailFrame= tk.Frame(self.root,bg="light gray", bd=5,relief="groove")

self.detailFrame.place(x=430,y=90,width=730,height=350)

self.list=tk.Listbox(self.detailFrame,bg="cyan", font=("Arial",15),bd=3,relief="sunken",width=63,height=13)

self.list.grid(row=0, column=0,padx=10,pady=10)

def add\_fun(self):

self.addFrame= tk.Frame(self.root,bg="light gray", bd=5,relief="groove")

self.addFrame.place(x=430,y=90,width=400,height=350)

itemName= tk.Label(self.addFrame, text="Item Name:", bg="light gray", font=("Arial",15,"bold"))

itemName.grid(row=0, column=0, padx=10, pady=30)

self.itemNameIn= tk.Entry(self.addFrame, textvariable=self.item\_name, width=15, bd=2, font=("Arial",15))

self.itemNameIn.grid( pady=10, row=0, column=1)

itemQuant= tk.Label(self.addFrame, text="Item Quantity:", bg="light gray", font=("Arial",15,"bold"))

itemQuant.grid(row=1, column=0, padx=10, pady=30)

self.itemQuantIn= tk.Entry(self.addFrame, textvariable=self.item\_quant,width=15, bd=2, font=("Arial",15))

self.itemQuantIn.grid( pady=10, row=1, column=1)

itemPrice= tk.Label(self.addFrame, text="Item Price:", bg="light gray", font=("Arial",15,"bold"))

itemPrice.grid(row=2, column=0, padx=10, pady=30)

self.itemPriceIn= tk.Entry(self.addFrame, textvariable=self.item\_price, width=15, bd=2, font=("Arial",15))

self.itemPriceIn.grid( pady=10, row=2, column=1)

okBtn= tk.Button(self.addFrame, command=self.insert\_fun, text="OK", width=8,bd=2,bg="sky blue",relief="raised",font=("Arial",15,"bold"))

okBtn.grid(row=3, column=0, padx=40, pady=30)

closeBtn= tk.Button(self.addFrame, command=self.close, text="Close", width=8,bd=2,bg="sky blue",relief="raised",font=("Arial",15,"bold"))

closeBtn.grid(row=3, column=1, padx=40, pady=30)

def insert\_fun(self):

con= pymysql.connect(host="localhost", user="root", passwd="pass@word1", database="billdb")

cur= con.cursor()

cur.execute("Insert into item values(%s, %s, %s)",(self.item\_name.get(), self.item\_price.get(), self.item\_quant.get()))

con.commit()

tk.messagebox.showinfo("Success","Item Added Successfully!")

con.close

self.clear()

def clear(self):

self.item\_name.set("")

self.item\_price.set("")

self.item\_quant.set("")

def close(self):

self.addFrame.destroy()

def purchase(self):

item= self.itemIn.get()

quant= int(self.quantIn.get())

con= pymysql.connect(host="localhost", user="root", passwd="pass@word1", database="billdb")

cur= con.cursor()

cur.execute("select item\_price,item\_quant from item where item\_name=%s",item)

data= cur.fetchone()

if data:

if data[1] >=quant:

amount=data[0] \* quant

self.total.set(self.total.get() + amount)

singleItem= f"Price of {quant} {item} is: {amount}"

self.list.insert(tk.END, singleItem)

self.clear\_inputframe()

update= data[1] - quant

cur.execute("update item set item\_quant=%s where item\_name=%s", (update,item))

con.commit()

con.close()

else:

tk.messagebox.showerror("Error", "Item Quantity does not meet to Requirement!")

self.clear\_inputframe()

else:

tk.messagebox.showerror("Error", "Invalid Item Name!")

self.clear\_inputframe()

def clear\_inputframe(self):

self.itemIn.delete(0,tk.END)

self.quantIn.delete(0,tk.END)

def print\_bill(self):

line= "--------------------------------------"

self.list.insert(tk.END, line)

print\_bill= f"Total Bill ---------- : {self.total.get()}"

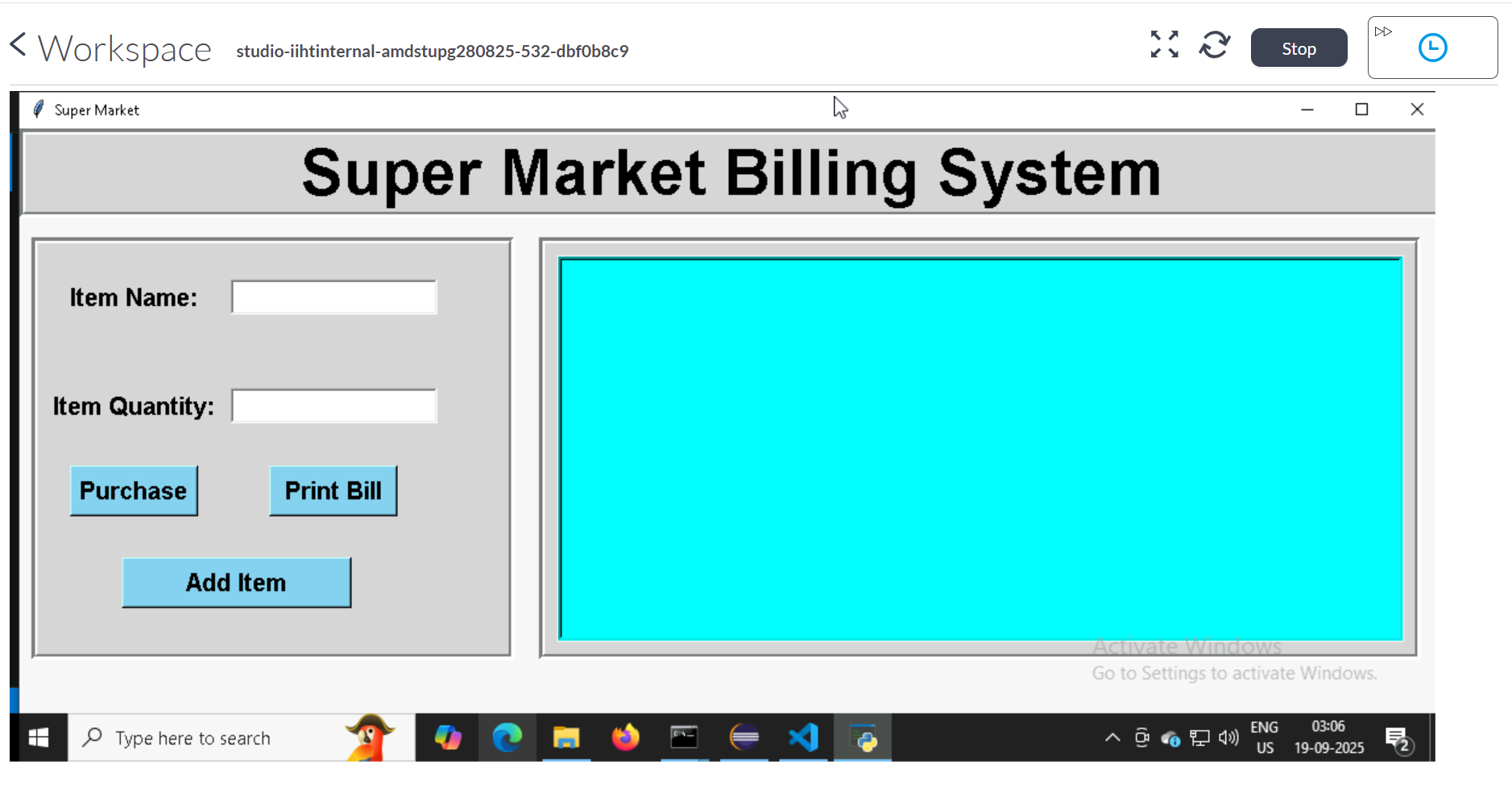
self.list.insert(tk.END, print\_bill)

root=tk.Tk()

obj=bill(root)

root.mainloop()

**OUTPUT:**

**A screenshot of a computer

AI-generated content may be incorrect.**

**A computer screen shot of a computer screen

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