**ASSIGNMENT 2**

Abhinav Raj

S6 CSA

Roll no. 5

**Program:**

import tkinter as tk

from tkinter import messagebox

class ShopBillingSystem:

    def \_\_init\_\_(self, master):

        self.master = master

        self.master.title("Shop Billing System")

        self.total\_price = tk.DoubleVar()

        self.total\_price.set(0.0)

        self.create\_widgets()

    def create\_widgets(self):

        # Product name entry

        tk.Label(self.master, text="Product Name:").grid(row=0, column=0)

        self.product\_name\_entry = tk.Entry(self.master)

        self.product\_name\_entry.grid(row=0, column=1)

        # Price entry

        tk.Label(self.master, text="Price:").grid(row=1, column=0)

        self.price\_entry = tk.Entry(self.master)

        self.price\_entry.grid(row=1, column=1)

        # Quantity entry

        tk.Label(self.master, text="Quantity:").grid(row=2, column=0)

        self.quantity\_entry = tk.Entry(self.master)

        self.quantity\_entry.grid(row=2, column=1)

        # Add to cart button

        self.add\_to\_cart\_button = tk.Button(self.master, text="Add to Cart", command=self.add\_to\_cart)

        self.add\_to\_cart\_button.grid(row=3, columnspan=2)

        # Total price label

        tk.Label(self.master, text="Total Price:").grid(row=4, column=0)

        self.total\_price\_label = tk.Label(self.master, textvariable=self.total\_price)

        self.total\_price\_label.grid(row=4, column=1)

        # Checkout button

        self.checkout\_button = tk.Button(self.master, text="Checkout", command=self.checkout)

        self.checkout\_button.grid(row=5, columnspan=2)

    def add\_to\_cart(self):

        try:

            price = float(self.price\_entry.get())

            quantity = int(self.quantity\_entry.get())

            total\_price = price \* quantity

            self.total\_price.set(self.total\_price.get() + total\_price)

            messagebox.showinfo("Success", "Product added to cart.")

        except ValueError:

            messagebox.showerror("Error", "Invalid input for price or quantity.")

    def checkout(self):

        messagebox.showinfo("Checkout", f"Total Price: {self.total\_price.get()}")

        self.total\_price.set(0.0)

def main():

    root = tk.Tk()

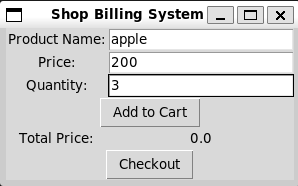
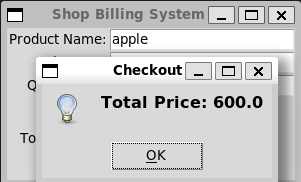
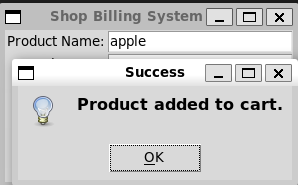
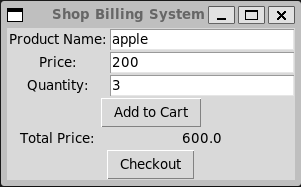
    app = ShopBillingSystem(root)

    root.mainloop()

if \_\_name\_\_ == "\_\_main\_\_":

    main()

**Output:**

****