# Create the database and table

Conn = sqlite3.connect(“shopkeeper.db”)

Cursor = conn.cursor()

Cursor.execute(“””

CREATE TABLE IF NOT EXISTS product (

Id INTEGER PRIMARY KEY,

Name TEXT,

Number TEXT,

Buying\_price REAL,

Selling\_price REAL,

Profit REAL

)

“””)

Conn.commit()

# Function to calculate profit

Def calculate\_profit():

Try:

Buying\_price = float(buying\_price\_entry.get())

Selling\_price = float(selling\_price\_entry.get())

Profit = selling\_price – buying\_price

Profit\_entry.delete(0, tk.END)

Profit\_entry.insert(0, f”{profit:.2f}”)

Except ValueError:

Messagebox.showerror(“Error”, “Please enter valid numeric values for buying and selling prices.”)

# Function to add product to the database

Def add\_product():

Name = name\_entry.get()

Number = number\_entry.get()

Buying\_price = float(buying\_price\_entry.get())

Selling\_price = float(selling\_price\_entry.get())

Profit = selling\_price – buying\_price

Cursor.execute(“INSERT INTO product (name, number, buying\_price, selling\_price, profit) VALUES (?, ?, ?, ?, ?)”,

(name, number, buying\_price, selling\_price, profit))

Conn.commit()

Messagebox.showinfo(“Success”, “Product added successfully!”)

# Create the main window

Root = tk.Tk()

Root.title(“Shopkeeper App”)

# Create form elements

Name\_label = tk.Label(root, text=”Product Name:”)

Name\_entry = tk.Entry(root)

Number\_label = tk.Label(root, text=”Product Number:”)

Number\_entry = tk.Entry(root)

Buying\_price\_label = tk.Label(root, text=”Buying Price:”)

Buying\_price\_entry = tk.Entry(root)

Selling\_price\_label = tk.Label(root, text=”Selling Price:”)

Selling\_price\_entry = tk.Entry(root)

Profit\_label = tk.Label(root, text=”Profit:”)

Profit\_entry = tk.Entry(root, state=”readonly”)

Calculate\_button = tk.Button(root, text=”Calculate Profit”, command=calculate\_profit)

Add\_button = tk.Button(root, text=”Add Product”, command=add\_product)

# Arrange form elements

Name\_label.grid(row=0, column=0)

Name\_entry.grid(row=0, column=1)

Number\_label.grid(row=1, column=0)

Number\_entry.grid(row=1, column=1)

Buying\_price\_label.grid(row=2, column=0)

Buying\_price\_entry.grid(row=2, column=1)

Selling\_price\_label.grid(row=3, column=0)

Selling\_price\_entry.grid(row=3, column=1)

Profit\_label.grid(row=4, column=0)

Profit\_entry.grid(row=4, column=1)

Calculate\_button.grid(row=5, column=0, columnspan=2)

Add\_button.grid(row=6, column=0, columnspan=2)

# Display all products and their profits

Cursor.execute(“SELECT name, number, buying\_price, selling\_price, profit FROM product”)

Products = cursor.fetchall()

For i, product in enumerate(products, start=7):

Tk.Label(root, text=f”{product[0]} ({product[1]}): Profit = {product[4]:.2f}”).grid(row=i, column=0, columnspan=2)

Root.mainloop()