

# SCHOOL OF INFORMATION SCIENCE COLLEGE OF COMPUTING, INFORMATICS AND MATHEMATICS UNIVERSITI TEKNOLOGI MARA KEDAH BRANCH

**DIPLOMA IN LIBRARY INFORMATIC (CDIM144)** 

PROGRAMMING FOR LIBRARIES (IML208)

ASSIGNMENT 1: INDIVIDUAL PROJECT "WAFFLE BITE CASHIER REGISTER"

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Project Name: Waffle Bite Cashier Register

File Name: anissuffiya208.py

# **Prompt Data:**

- 1) Item
- 2) Quantity
- 3) Price
- 4) Reset Button
- 5) Total Button

#### **Function:**

1) Create data:

Create the data by entering the quantity.

2) Read data:

Read the price total by clicking on the "Total" button.

3) Update data:

Update the data by editing the quantity.

4) Delete data:

Click on the "Reset" button and "Total" button.

5) Numeric Expressions:

Use "\*" for multiply the item and quantity. Use "+" to use addition operation for find the total cost.

6) Button:

Using button for "Reset" and "Total".

- 7) String
- 8) Entry
- 9) Text Variable

### **Conditional Statement:**

Yes.

Try & Except:

```
def Total():
    try:a1=int(Kaya.get())
    except:a1=0

    try:a2=int(Nutella.get())
    except:a2=0

    try:a3=int(Hazelnut.get())
    except:a3=0

    try:a4=int(Butter.get())
    except:a4=0

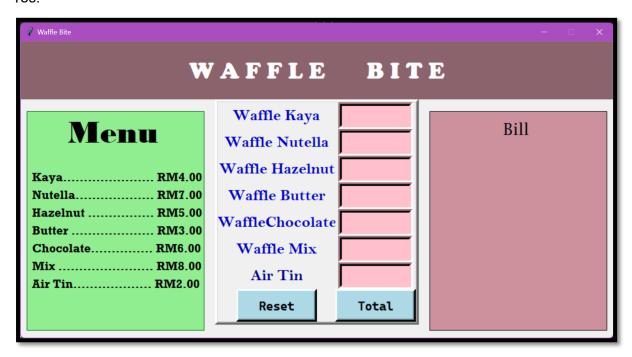
    try:a5=int(Chocolate.get())
    except:a5=0

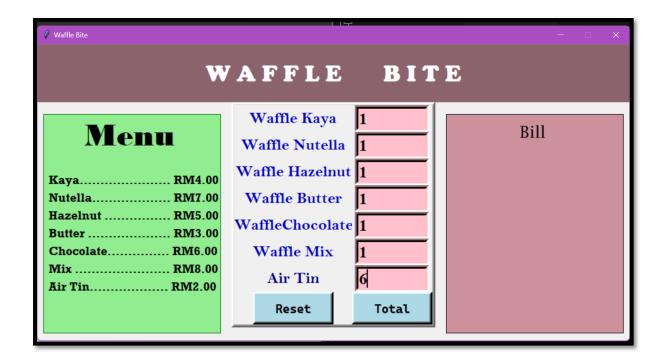
    try:a6=int(Mix.get())
    except:a6=0

    try:a7=int(Tin.get())
    except:a7=0
```

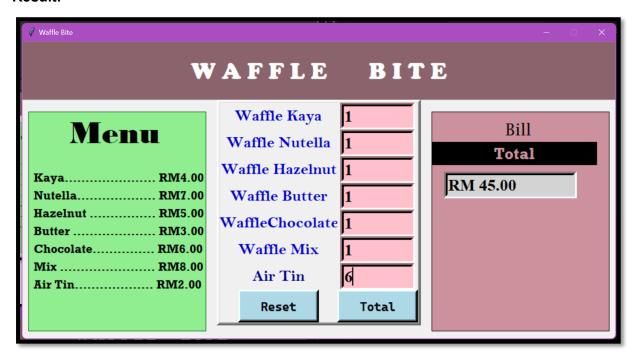
#### **GUI:**

Yes.





#### Result:



# Strength:

- This system has powerful accuracy by the automated calculation function to reduce the risk of human error.
- This system has user-friendly interface, so it is easy to learn and use.
- It can be customized to meet specific needs.
- This system is scalability, it can grow with the business over time.
- This system has a colourful interface and a nice readable font.

# Kaizen (room for improvement):

- Should have another interface or window to keep all the transaction history.
- Need to review and optimize the management processes continuously.
- Implement monitoring tools that allow to track performance and address issues in realtime.
- Add on the widgets for more details about the system.