



اُنِيْوَ تِكْنُوْلُوْجِيْ مَارَا  
**UNIVERSITI  
TEKNOLOGI  
MARA**

**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”**

**Prepared by:**

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**GROUP:**

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**Prepared for:**

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**Submission date:**

**13 DECEMBER 2023**

**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.

Waffle Bite

# WAFFLE BITE

## Menu

Kaya.....	RM4.00
Nutella.....	RM7.00
Hazelnut .....	RM5.00
Butter .....	RM3.00
Chocolate.....	RM6.00
Mix .....	RM8.00
Air Tin.....	RM2.00

Waffle Kaya	<input type="text"/>
Waffle Nutella	<input type="text"/>
Waffle Hazelnut	<input type="text"/>
Waffle Butter	<input type="text"/>
WaffleChocolate	<input type="text"/>
Waffle Mix	<input type="text"/>
Air Tin	<input type="text"/>

Reset Total

## Bill

Waffle Bite

WAFFLE BITE

### Menu

Kaya.....	RM4.00
Nutella.....	RM7.00
Hazelnut .....	RM5.00
Butter .....	RM3.00
Chocolate.....	RM6.00
Mix .....	RM8.00
Air Tin.....	RM2.00

Waffle Kaya	1
Waffle Nutella	1
Waffle Hazelnut	1
Waffle Butter	1
WaffleChocolate	1
Waffle Mix	1
Air Tin	6

Reset
Total

Bill

Result:

Waffle Bite

WAFFLE BITE

### Menu

Kaya.....	RM4.00
Nutella.....	RM7.00
Hazelnut .....	RM5.00
Butter .....	RM3.00
Chocolate.....	RM6.00
Mix .....	RM8.00
Air Tin.....	RM2.00

Waffle Kaya	1
Waffle Nutella	1
Waffle Hazelnut	1
Waffle Butter	1
WaffleChocolate	1
Waffle Mix	1
Air Tin	6

Reset
Total

Bill

Total

RM 45.00

**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 real-time.
- Add on the widgets for more details about the system.