

MIDTERM LAB TASK

I. PROBLEM

Problem 1. Create the following UI for menu items; then allow the user to input orders

```
----- MENU -----
pizza   : $3.00
nachos  : $4.50
popcorn : $6.00
fries   : $2.50
chips   : $1.00
pretzel : $3.50
soda    : $3.00
lemonade : $4.25
-----
Select an item (q to quit): pizza
Select an item (q to quit): soda
Select an item (q to quit): q
----- YOUR ORDER -----
pizza soda
Total is: $6.00

Process finished with exit code 0
```

The user will continue to input orders until q is typed to quit. Then display the summary of orders with the total bill.

1. Use a dictionary(for the menu) and List(for the orders in the cart)
2. Users may input the same item in the cart.
3. Follow the exact format and whitespace for the menu
4. User input should be case insensitive
5. If the user inputted an item not in the Menu – it will not include it in the cart and display "Not Available" and input another item
6. Create a MENU with 10 items and assign prices in Peso (php) - You may choose what items you would like to put in your cart

II. CODE

```

1 # Midterm Lab Task 4
2 # Using Dictionary Collections
3
4
5 menu = {
6     "pizza": 150.00,
7     "burger": 120.00,
8     "fries": 75.00,
9     "soda": 50.00,
10    "coffee": 80.00,
11    "tea": 45.00,
12    "sandwich": 100.00,
13    "salad": 95.00,
14    "pasta": 130.00,
15    "icecream": 60.00
16 }
17
18 # Print menu
19 print("----- MENU -----")
20 for item, price in menu.items():
21     print(f"{item:<10} : Php {price:.2f}")
22 print("-----")
23
24 cart = []
25
26 # Take orders
27 while True:
28     order = input("Select an item (q to quit): ").lower()
29     if order == "q":
30         break
31     elif order in menu:
32         cart.append(order)
33     else:
34         print("Not Available")
35
36 # Display order summary
37 print("----- YOUR ORDER -----")
38 total = 0
39 for item in cart:
40     print(f"{item} - Php {menu[item]:.2f}")
41     total += menu[item]
42
43 print(f"Total is: Php {total:.2f}")

```

III. SAMPLE OUTPUT

```

----- MENU -----
pizza      : Php 150.00
burger     : Php 120.00
fries      : Php 75.00
soda       : Php 50.00
coffee    : Php 80.00
tea        : Php 45.00
sandwich   : Php 100.00
salad      : Php 95.00
pasta      : Php 130.00
icecream   : Php 60.00
-----
Select an item (q to quit): pizza
Select an item (q to quit): hotdog
Not Available
Select an item (q to quit): burger
Select an item (q to quit): fries
Select an item (q to quit): q
----- YOUR ORDER -----
pizza - Php 150.00
burger - Php 120.00
fries - Php 75.00
Total is: Php 345.00

```